


Environmental Documents

Request 19: Engineering reports and environmental reports regarding radioactive material storage, lead based paint, asbestos containing materials, underground storage tanks, medical waste disposal areas, solid waste disposal, and mold and methane gas at West Los Angeles



82. Inspection for Asbestos Containing Materials for Various Buildings, Los Angeles, California (Jun 1996)

I.H. - Bldg. 218;
Room # 308
Mail Code: # 1308

**VAMC WEST LA
ASBESTOS BUILDING SURVEY REPORT*
JUNE 1996**

**PREPARED BY
INDUSTRIAL HYGIENE (001C-IH)
PHONE 310-268-3368, BLDG 220, RM 209**

* Report updated to original Report of 1994, by Building Analytics Inc.

82-1

TABLE OF CONTENTS

1. BUILDING 13	21 to 35
2. BUILDING 20	38 to 40
3. BUILDING 23	43 to 44
4. BUILDING 44 and 63	48 to 53
5. BUILDING 46	56 to 59
6. BUILDING 83	61
7. BUILDING 90	64 to 66
8. BUILDING 91	69 to 70
9. BUILDING 113	73 to 83
10. BUILDING 114	86 to 104
11. BUILDING 115	107 to 120
12. BUILDING 116	123 to 133
13. BUILDING 117	136 to 141
14. BUILDING 156	144 to 149
15. BUILDING 157	152 to 162
16. BUILDING 158	165 to 177
17. BUILDING 199	180
18. BUILDING 205	183 to 194
19. BUILDING 206	197 to 211
20. BUILDING 207	214 to 234
21. BUILDING 208	237 to 251
22. BUILDING 209	254 to 265
23. BUILDING 210	268 to 281

24. BUILDING 211	284 to 286
25. BUILDING 212	289 to 309
26. BUILDING 220	312 to 322
27. BUILDING 222	325 to 334
28. BUILDING 224 and T-84.....	337 to 343
29. BUILDING 226	345 to 350
30. BUILDING 236	354 to 358
31. BUILDING 256	362 to 376
32. BUILDING 257	379 to 396
33. BUILDING 258	399 to 414
34. BUILDING 259	417 to 418
35. BUILDING 262	421 to 423
35. BUILDING 263	426 to 430
36. BUILDING 264	433 to 437
37. BUILDING 265	440 to 442
38. BUILDING 266	445 to 446
39. BUILDING 267	449 to 453
40. BUILDING 278	455 to 456
42. BUILDING 295	459 to 464
43. BUILDING 296	467
44. BUILDING 297	470 to 473
45. BUILDING 298	476 to 479
46. BUILDING 299	481

47. BUILDING 300	484 to 493
48. BUILDING 304	496 to 514
49. BUILDING 306	517 to 525
50. BUILDING 307	528 to 529
51. BUILDING 316	533 to 534
52. BUILDING 319	536
53. BUILDING 320	539
54. BUILDING 325	541
55. BUILDING 326	544
56. BUILDING 332	548
57. BUILDING 337	554 to 556
58. BUILDING 340	559
59. BUILDING 348	565 to 570
60. BUILDING 349	573 to 577
61. BUILDING T-27	579 to 580
62. BUILDING T-35	583 to 584
63. BUILDING T-37	587 to 588
64. BUILDING T-38	591 to 592
65. BUILDING T-39	595
66. BUILDING T-59	597
67. BUILDING T-61	600 to 602
68. BUILDING T-69	605

ADDITIONAL BUILDINGS SURVEYED BY FORENSIC - FEB. 1996:

69. BUILDING T-85 606

70. BUILDING 213 607 to 614

71. BUILDING 214 615 to 621

72. BUILDING 215 622 to 626

73. BUILDING 217 627 to 635

74. BUILDING 218 636 to 647

75. BUILDING 301 648

76. BUILDING 308 649

ACM WARNING LABEL LOCATIONS 650 to 654

ACM Warning Label Locations of Buildings Surveyed
VA Medical Center, West Los Angeles, CA
February 1996

Page 4 of 5

Building 256:

Room 5, pipe crawlspace entry
Room 21 entry
Pipechase entry adjacent Room 107
Pipechase entry adjacent 227
Attic entry

Building 257:

Tank room, east crawlspace hatch
Tank room, west crawlspace hatch
West stairwell, pipespace entry
Room 5 entry
Room 10, pipechase entry
Room 18, pipechase entry
Room 18A
Attic entry

Building 258:

1st floor central crawlspace entry
1st floor east crawlspace entry
Room 302E, pipechase entry
Room 339, pipechase entry
East attic entry
West attic entry

Building 259:

Pipechase entry adjacent to south restroom

Building 262:

Crawlspace entry

Building 264:

Attic access hatch

Building 265:

Northeast mechanical equipment area (exterior)

Building 295:

1st floor, southeast corner, pipe tunnel entry

82-6

ACM Warning Label Locations of Buildings Surveyed
VA Medical Center, West Los Angeles, CA
February 1996

Page 5 of 5

Building 298:

Utility closet entry (exterior)
Crawlspace access hatches (six, exterior)

Building 300:

Room 5 entry
Room 11B, ceiling access hatch
Grate at ceiling crawlspace adjacent Room 112
Room 113, grate at ceiling crawlspace
Room 108, ceiling access hatch adjacent Cooler 116
Room 112 entry (walk-in cooler)

Building 304:

Room 03 (mechanical room) south and west entries
Room 03 (mechanical room), east crawlspace hatch
Room 07 (north/south corridor), northwest and south entries
Room 07 (north/south corridor), central east and west crawlspace hatches; southeast crawlspace hatch
Penthouse entries (from stairwell and roof exterior)

Building 306:

Mechanical room entry

Building 308:

Corridor ceiling, attic hatch frame (inner surface)

Building 337:

Mechanical room entry

82-7

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c. Sampling Records

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
BUILDING 13									
13-001	Resilient floor tile and mastic, 9" x 9", blue/green	Dining Hall #1	15% Chrysotile	17,200	SF	Undamaged (nonfriable)	Low		
13-002	Resilient floor tile and mastic, 9" x 9", brown/grey	Dining Hall #1	15% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
13-003	Resilient floor tile and mastic, 9" x 9", white w/brown streaks	Dining Hall #1	10% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
13-004	Resilient floor tile and mastic, 9" x 9", dark brown	Dining Hall #1	20% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
13-005	Resilient floor tile and mastic, 9" x 9", light brown	Dining Hall #1	20% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
13-006	Resilient floor tile and mastic, 9" x 9", white w/brown streaks	Dining Hall #1	3-10% Chrysotile (mastic->1% asbestos)	Ref. sample 001		Undamaged (nonfriable)	Low		
13-007	Resilient floor tile and mastic, 9" x 9", dark brown	Dining Hall #1	10-15% Chrysotile (mastic->1% asbestos)	Ref. sample 001		Damaged (nonfriable)	Low		
13-008	Resilient floor tile and mastic, 9" x 9", light brown	Dining Hall #1	8-15% Chrysotile (mastic->1% asbestos)	Ref. sample 001		Undamaged (nonfriable)	Low		
13-009	Resilient floor tile and mastic, 9" x 9", light brown	Dining Hall #1	10-15% Chrysotile (mastic->1% asbestos)	Ref. sample 001		Undamaged (nonfriable)	Low		
13-010	Resilient floor tile and mastic, 9" x 9", blue/green	Dining Hall #1 By blocked doorway	15-20% Chrysotile (mastic->1% asbestos)	Ref. sample 001		Undamaged (nonfriable)	Low		

82-9

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
13-011	Resilient floor tile and mastic, 9" x 9", brown/grey	Dining Hall #1 By blocked doorway	10-15% Chrysotile (mastic->1% asbestos)	Ref. sample 001	001	Undamaged (nonfriable)	Low		
13-012	Resilient floor tile and mastic, 9" x 9", blue/green	Dining Hall #1	15-20% Chrysotile (mastic->1% asbestos)	Ref. sample 001	001	Undamaged (nonfriable)	Low		
13-013	Resilient floor tile and mastic, 9" x 9", brown/grey	Dining Hall #1	15-20% Chrysotile (mastic->1% asbestos)	Ref. sample 001	001	Undamaged (nonfriable)	Low		
13-014/ 01-19-96	Pipe run insulation, 3" OD	Dining Hall #1	20% Amosite	75	LF	Undamaged (friable)	Low	7	Maintain
13-015/ 01-19-96	Pipe run insulation, 3" OD	Dining Hall #1	50-65% Amosite 5-15% Chrysotile	Ref. sample 014	014	Undamaged (friable)	Low	7	Maintain
13-016/ 01-19-96	Pipe run insulation, 3" OD	Dining Hall #1	10-20% Amosite 10-15% Chrysotile	40	LF	Undamaged (friable)	Low	7	Maintain
13-017	Pipe run insulation, 5" OD	Dining Hall #1	None detected	N/A	N/A	N/A	N/A		
13-018/ 01-19-96	Pipe joint insulation, 3" OD (elbow)	Dining Hall #1	3-8% Chrysotile	4	EA	Undamaged (friable)	Low	7	Maintain
13-019/ 01-19-96	Pipe run insulation, 8" OD	Dining Hall #1	60% Chrysotile	15	LF	Damaged (friable)	High	4	Patch
13-020/ 01-19-96	Pipe run insulation, 4" OD	Dining Hall #1	20% Chrysotile 10% Crocidolite	50	LF	Undamaged (friable)	Low	7	Maintain
13-021	Resilient floor tile and mastic, 9" x 9", white w/ red and black streaks	Administration Office	10% Chrysotile	470	SF	Undamaged (nonfriable)	Low		

82-10

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
13-022	Resilient floor tile and mastic, 9" x 9", white w/ red and black streaks	Administration Office	15-20% Chrysotile (mastic->1% asbestos)	Ref. sample 021		Undamaged (nonfriable)	Low		
13-023	Resilient floor tile and mastic, 9" x 9", white w/ red and black streaks	Administration Office	10-15% Chrysotile (mastic->1% asbestos)	Ref. sample 021		Undamaged (nonfriable)	Low		
13-024	Resilient floor tile and mastic, 9" x 9", white w/black streaks	Room 102	2% Chrysotile (mastic->1% asbestos)	650	SF	Significantly damaged (nonfriable)	High		
13-025	Resilient floor tile and mastic, 9" x 9", white w/black streaks	Room 102	3-8% Chrysotile (mastic->1% asbestos)	Ref. sample 024		Significantly damaged (nonfriable)	High		
13-026	Resilient floor tile and mastic, 9" x 9", white w/black streaks	Room 102	2-7% Chrysotile (mastic->1% asbestos)	Ref. sample 024		Significantly damaged (nonfriable)	High		
13-027	Resilient floor tile and mastic, 9" x 9", light brown	Training Room	15-20% Chrysotile (mastic->1% asbestos)	Ref. sample 005		Undamaged (nonfriable)	Low		
13-028	Resilient floor tile and mastic, 9" x 9", white w/black streaks	Training Room	5-10% Chrysotile (mastic->1% asbestos)	Ref. sample 024		Damaged (nonfriable)	Low		
13-029	Plaster composite	Dishwashing Room, north wall	None detected	N/A	N/A	N/A	N/A		
13-030	Pipe run insulation, 6" OD	Dining Hall #1, Entrance Hallway	None detected	N/A	N/A	N/A	N/A		
13-031	Pipe run insulation, 6" OD	Kitchen	None detected	N/A	N/A	N/A	N/A		
13-032/ 01-19-96	Pipe run insulation, 5" OD	Kitchen	20-30% Amosite 10-15% Chrysotile	25	LF	Undamaged (friable)	Low	7	Maintain

02-1-11

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
13-033 / 01-19-96	Pipe run insulation, 4" OD	Kitchen	50-60% Amosite 10-20% Chrysotile	15	LF	Undamaged (friable)	Low	7	Maintain
13-034 / 01-19-96	Pipe run insulation, 3" OD	Kitchen	35-50% Amosite 15-30% Chrysotile	25	LF	Significantly damaged (friable)	High	7	
13-035 / 01-19-96	Pipe run insulation, 5" OD	Utility Room	5-15% Amosite 30-40% Chrysotile	15	LF	Damaged (friable)	High	4	Patch & cap ends
13-036	Pipe run insulation, 4" OD	Utility Room	None detected	N/A	N/A	N/A	N/A		
13-037 / 01-19-96	Pipe run insulation, 4" OD	Utility Room	10-15% Amosite 25-35% Chrysotile	15	LF	Damaged (friable)	Low	4	Patch & cap ends
13-038 / 01-19-96	Pipe run insulation, 3" OD	Dining Hall #2	30-40% Amosite 15-20% Chrysotile	100	LF	Undamaged (friable)	Low	7	Maintain
13-039 / 01-19-96	Pipe run insulation, 3" OD	Dining Hall #1	25-35% Amosite 15-25% Chrysotile	100	LF	Undamaged (friable)	Low	7	Maintain
13-040	Pipe joint insulation, 6" OD (elbow)	Dining Hall #1	None detected	N/A	N/A	N/A	N/A		
13-041 / 01-19-96	Pipe run insulation, 4" OD	Dining Hall #1	50-60% Amosite 10-20% Chrysotile	Ref. sample 020		Undamaged (friable)	Low	7	Maintain
13-042 / 01-19-96	Debris (suspect TSI)	Kitchen	30% Amosite	20	SF	Significantly damaged (friable)	High	3	Remove
13-043 / 01-19-96	Debris (suspect TSI) (from 8" OD pipe)	Pipe trench in kitchen	60-70% Amosite 5-10% Chrysotile	Ref. sample 042		Significantly damaged (friable)	High	3	Remove
13-044 (no access)	Debris (suspect TSI)	Dining Hall #1	30-45% Amosite 10-15% Chrysotile	10	SF	Significantly damaged (friable)	High		

82

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
13-045 (no access)	Debris (suspect TSI)	Dining Hall #1	30-40% Amosite 15-20% Chrysotile	Ref. sample 044	N/A	Significantly damaged (friable)	High		
13-046	Resilient sheet flooring and mastic, black	Second floor, west wing, hallway	None detected	N/A	N/A	N/A	N/A		
13-047	Resilient sheet flooring and mastic, black	Second floor, west wing, hallway	None detected	N/A	N/A	N/A	N/A		
13-048	Resilient sheet flooring and mastic, black	Second floor, west wing, hallway	None detected	N/A	N/A	N/A	N/A		
13-049	Pipe run insulation, 3" OD	Second floor, west wing, pipe chase, women's restroom	None detected	N/A	N/A	N/A	N/A		
13-050 01-19-96	Pipe run insulation, 3" OD (No access to second floor ACM is assumed to exist)	Second floor, west wing, pipe chase, women's restroom	15-20% Chrysotile	10	LF	Undamaged (friable)	Low		
13-051	Pipe run insulation, 4" OD	Second floor, west wing, pipe chase, women's restroom	None detected	N/A	N/A	N/A	N/A		
13-052	Pipe joint insulation, 4" OD (elbow) (See 13-050)	Second floor, west wing, pipe chase, women's restroom	20% Amosite	10	EA	Undamaged (friable)	Low		
13-053	Pipe joint insulation, 4" OD (elbow) (See 13-050)	Second floor, west wing, pipe chase, women's restroom	5-15% Amosite 35-40% Chrysotile	Ref. sample 052		Undamaged (friable)	Low		

82-12

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
13-054	Pipe joint insulation, 3" OD (elbow) (See 13-050)	Second floor, west wing, pipe chase, women's restroom	60% Chrysotile 10% Crocidolite	5	EA	Undamaged (friable)	Low		
13-055	Plaster Composite	Second floor, west wing, pipe chase, women's restroom	None detected	N/A	N/A	N/A	N/A		
13-056	Pipe joint Insulation, 3" OD (fitting) (See 13-050)	Second floor, west wing, pipe chase, men's restroom	15-20% Amosite 20-30% Chrysotile	10	EA	Undamaged (friable)	Low		
13-057	Pipe run insulation, 3" OD	Second floor, west wing, pipe chase, men's restroom	None detected	N/A	N/A	N/A	N/A		
13-058	Pipe run insulation, 3" OD (See 13-050)	Second floor, west wing, pipe chase, men's restroom	15-20% Chrysotile	5	LF	Undamaged (friable)	Low		
13-059	Pipe joint insulation, 3" OD (fitting) (See 13-050)	Second floor, west wing, pipe chase, men's restroom	10% Amosite 20% Crocidolite	2	EA	Undamaged (friable)	Low		
13-060	Pipe joint insulation, 3" OD (fitting) (See 13-050)	Second floor, west wing, pipe chase, men's restroom	20-30% Amosite 15-25% Chrysotile	Ref. sample 059		Undamaged (friable)	Low		
13-061	Pipe run insulation, 3" OD	Second floor, west wing, pipe chase, men's restroom	None detected	N/A	N/A	N/A	N/A		

82-13

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
13-062	Plaster composite	Second floor, west wing, room 3	None detected	N/A	N/A	N/A	N/A		
13-063	Electrical wire insulation	Kitchen, south wall	None detected	N/A	N/A	N/A	N/A		
13-064	Electrical wire insulation	Kitchen, south wall	None detected	N/A	N/A	N/A	N/A		
13-065	Resilient floor tile and mastic, 9" x 9", red w/white and black streaks	Second floor, west, wing, room 18	15% Chrysotile	2,230	SF	Undamaged (nonfriable)	Low		
13-066	Resilient floor tile and mastic, 9" x 9", red w/white and black streaks	Second floor, west, wing, room 17	15-25% Chrysotile (mastic-none detected)	Ref. sample 065		Undamaged (nonfriable)	Low		
13-067	Resilient floor tile and mastic, 9" x 9", red w/ white and black streaks	Second floor, west wing, room 13	15-25% Chrysotile (mastic-none detected)	Ref. sample 065		Undamaged (nonfriable)	Low		
13-068	Pipe run insulation, 4" OD	Second floor, east wing, pipe chase, men's restroom	None detected	N/A	N/A	N/A	N/A		
13-069	Pipe run Insulation, 3" OD (See 13-050)	Second floor, east wing, pipe chase, mens restroom	20-30% Chrysotile	10	LF	Undamaged (friable)	Low		
13-070	Pipe run insulation, 3" OD (See 13-050)	Second floor, east wing, pipe chase, men's restroom	25-30% Chrysotile	Ref. sample 069		Undamaged (friable)	Low		

82-14

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
13-071	Pipe run insulation, 3" OD (See 13-050)	Second floor, east wing, pipe chase, men's restroom	10-15% Amosite 20-30% Chrysotile	Ref. sample 069		Undamaged (friable)	Low		
13-072	Pipe joint insulation, 3" OD (fitting) (See 13-050)	Second floor, east wing, pipe chase, men's restroom	25-30% Amosite 10-20% Chrysotile	5	EA	Undamaged (friable)	Low		
13-073	Pipe joint insulation, 3" OD (elbow) (See 13-050)	Second floor, east wing, pipe chase, men's restroom	10% Amosite	5	EA	Undamaged (friable)	Low		
13-074	Pipe run insulation, 4" OD	Second floor, east w/ pipe chase, men's restroom	None detected	N/A	N/A	N/A	N/A		
13-075	Pipe run insulation, 4" OD	Second floor, east w/ pipe chase, men's restroom	None detected	N/A	N/A	N/A	N/A		
13-076	Pipe run insulation, 4" OD	Second floor, east w/ pipe chase, men's restroom	None detected	N/A	N/A	N/A	N/A		
13-077	Pipe joint insulation, 4" OD (elbow)	Second floor, east w/ pipe chase, men's restroom	None detected	N/A	N/A	N/A	N/A		
13-078	Pipe joint insulation, 4" OD (elbow)	Second floor, east w/ pipe chase, men's restroom	None detected	N/A	N/A	N/A	N/A		
13-079	Pipe joint insulation, 4" OD (elbow)	Second floor, east w/ pipe chase, men's restroom	None detected	N/A	N/A	N/A	N/A		
13-080	Resilient sheet flooring and mastic, black	Second floor, east wing, hallway	None detected	N/A	N/A	N/A	N/A		

02-15

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
13-081	Resilient sheet flooring and mastic, black	Second floor, east wing, hallway	None detected	N/A	N/A	N/A	N/A		
13-082	Resilient sheet flooring and mastic, black	Second floor, east wing, hallway	None detected	N/A	N/A	N/A	N/A		
13-083	Exterior stucco	Roof, east, by rooms 6 and 7	2% Chrysotile (paint layer->1% asbestos)	36,330	SF	Undamaged (nonfriable)	Low		
13-084	Exterior stucco	Roof, east	5-10% Chrysotile	Ref. sample 083		Undamaged (nonfriable)	Low		
13-085	Roofing cap sheet	Roof, northeast	40% Chrysotile	1,650	SF	Undamaged (nonfriable)	Low		
13-086	Roofing cap sheet	Roof, north	None detected	N/A	N/A	N/A	N/A		
13-087	Penetration mastic	Roof	60% Chrysotile	100	SF	Undamaged (nonfriable)	Low		
13-088	Roofing composite	Roof, northeast	None detected	N/A	N/A	N/A	N/A		
13-089	Roofing composite	Roof, southeast	None detected	N/A	N/A	N/A	N/A		
13-090	Roofing composite	Roof, north	None detected	N/A	N/A	N/A	N/A		
13-091	Penetration mastic	Roof, first floor	None detected	N/A	N/A	N/A	N/A		
13-092	Penetration mastic	Roof, first floor	None detected	N/A	N/A	N/A	N/A		
13-093	Penetration mastic	Roof, first floor	1% Chrysotile	Ref. sample 087		Significantly damaged (nonfriable)	Low		
13-094	Roofing cap sheet	Roof, first floor	None detected	N/A	N/A	N/A	N/A		

82-16

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
13-095	Roofing cap sheet	Roof, first floor	None detected	N/A	N/A	N/A	N/A		
13-096	Roofing cap sheet	Roof, first floor	None detected	N/A	N/A	N/A	N/A		
13-097	Roofing felt	Roof, first floor	None detected	N/A	N/A	N/A	N/A		
13-098	Roofing felt	Roof, first floor	None detected	N/A	N/A	N/A	N/A		
13-099	Roofing felt	Roof, first floor	None detected	N/A	N/A	N/A	N/A		
13-100	Roofing mastic	Roof, east wing	5-15% Chrysotile	100	SF	Undamaged (nonfriable)	Low		
13-101	Roofing mastic	Roof, east wing	8-12% Chrysotile	Ref. sample	100	Undamaged (nonfriable)	Low		
13-102	Roofing mastic	Roof, east wing	5-10% Chrysotile	Ref. sample	100	Undamaged (nonfriable)	Low		
13-103/ 01-19-96	Pipe run insulation, 5" OD	Training Office	15-20% Chrysotile	15	LF	Undamaged (friable)	Low	7	Maintain
13-104/ 01-19-96	Pipe run insulation, 3" OD	Training Office	50-72% Chrysotile	15	LF	Undamaged (friable)	Low	7	Maintain
13-105	Pipe run insulation, 5" OD	Hallway by storage r	None detected	N/A	N/A	N/A	N/A		
13-106/ 01-19-96	Pipe run insulation, 5" OD	Hallway by storage room	5-10% Amosite 25-35% Chrysotile	50	LF	Undamaged (friable)	Low	7	Maintain
13-107/ 01-19-96	Pipe run insulation, 3" OD	Hallway by storage room	70-84% Chrysotile	50	LF	Undamaged (friable)	Low	7	Maintain

82-17

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
13-108/ 01-19-96	Pipe joint insulation, 3" OD (elbow)	Hallway by storage room	25-30% Chrysotile	10	EA	Undamaged (friable)	Low	7	Maintain
13-109/ 01-19-96	Pipe joint insulation, 3" OD (elbow)	Storage room	10% Amosite 40% Chrysotile	1	EA	Undamaged (friable)	Low	7	Maintain
13-110/ 01-19-96	Pipe joint insulation, 8" OD (elbow)	Storage room	15-20% Amosite 20-30% Chrysotile	10	EA	Undamaged (friable)	Low	7	Maintain
13-111/ 01-19-96	Pipe joint insulation, 8" OD (elbow)	Storage room	20% Amosite 40% Chrysotile	Ref. sample 110		Damaged (friable)	High	4	Patch
13-112/ 01-19-96	Pipe run insulation, 8" OD	Storage room	3-8% Amosite 20-30% Chrysotile	20	LF	Damaged (friable)	High	4	Patch
13-113/ 01-19-96	Pipe joint insulation, 8" OD (elbow)	Storage room	20% Chrysotile	2	EA	Undamaged (friable)	Low	7	Maintain
13-114/ 01-19-96	Pipe joint insulation, 5" OD (elbow)	Storage room	30-35% Amosite 10-20% Chrysotile	1	EA	Undamaged (friable)	Low	7	Maintain
13-115/ 01-19-96	Pipe run insulation, 8" OD	Storage room	5-10% Amosite 35-50% Chrysotile	Ref. sample 112		Damaged (friable)	High	4	Patch
13-116/ 01-19-96	Pipe run insulation, 3" OD	Dining Hall #1	50-60% Chrysotile	Ref. sample 039		Undamaged (friable)	Low	7	Maintain
13-117	Ceiling tile, 12" x 12", type 2	Central Office	None detected	N/A	N/A	N/A	N/A		
13-118	Ceiling tile, 12" x 12", type 2	Central Office	None detected	N/A	N/A	N/A	N/A		
13-119	Ceiling tile, 12" x 12", type 1	Central Office	None detected	N/A	N/A	N/A	N/A		
13-120	Ceiling tile, 12" x 12", type 1	Central Office	None detected	N/A	N/A	N/A	N/A		
13-121	Pipe joint insulation, 7" OD (elbow)	Basement, equipment room	None detected	N/A	N/A	N/A	N/A		

02-18

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
13-122 / 01-19-96	Pipe run insulation, 8" OD	Basement, equipment room	35-50% Amosite	50	LF	Damaged (friable)	High	4	Remove
13-123 / 01-19-96	Pipe Joint insulation, 3" OD (elbow)	Basement, equipment room	5-15% Amosite 30-40% Chrysotile	12	EA	Significantly damaged (friable)	High	3	Remove
13-124 / 01-19-96	Pipe run insulation, 3" OD	Basement, equipment room	20% Amosite	15	LF	Significantly damaged (friable)	High	3	Remove
13-125 / 01-19-96	Pipe run insulation, 4" OD	Basement, equipment room	50-65% Amosite 5-15% Chrysotile	20	LF	Significantly damaged (friable)	High	3	Remove
13-126 / 01-19-96	Pipe joint insulation, 4" OD (elbow)	Basement, equipment room	10% Amosite	4	EA	Damaged (friable)	High	4	Remove
13-127 / 01-19-96	Pipe run insulation, 4" OD	Basement, equipment room	30-40% Amosite 15-20% Chrysotile	Ref. sample 125		Significantly damaged (friable)	High	3	Remove
13-128 / 01-19-96	Pipe joint insulation, 4" OD (elbow)	Basement, equipment room	8-15% Amosite 35-40% Chrysotile	Ref. sample 126		Significantly damaged (friable)	High	3	Remove
13-129 / 01-19-96	Pipe run insulation, 4" OD	Basement, equipment room	25-35% Amosite 15-20% Chrysotile	Ref. sample 125		Significantly damaged (friable)	High	3	Remove
13-130 / 01-19-96	Pipe run insulation, 4" OD	Basement, equipment room	20% Amosite	Ref. sample 125		Significantly damaged (friable)	High	3	Remove
13-131 / 01-19-96	Pipe joint insulation, 6" OD (elbow)	Basement, equipment room	10-20% Chrysotile	10	EA	Damaged (friable)	High	4	Remove

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
13-132/ 01-19-96	Pipe joint insulation, 6" OD (elbow)	Basement, equipment room	10% Amosite	Ref. sample 133		Damaged (friable)	High	4	Remove
13-133/ 01-19-96	Pipe run insulation, 6" OD	Basement, equipment room	25-30% Amosite 20-35% Chrysotile	20	LF	Damaged (friable)	High	4	Remove
13-134/ 01-19-96	Pipe joint insulation, 6" OD (elbow)	Basement, equipment room	30-45% Chrysotile	Ref. sample 132		Significantly damaged (friable)	High	3	Remove
13-135/ 01-19-96	Pipe run insulation, 6" OD	Basement, equipment room	20% Amosite	Ref. sample 133		Damaged (friable)	High	4	Remove
13-136	Pipe run insulation, 4" OD	Basement, equip. roo	None detected	N/A	N/A	N/A	N/A		
13-137/ 01-19-96	Pipe run insulation, 6" OD	Basement, equipment room	20-30% Amosite 25-30% Chrysotile	Ref. sample 133		Undamaged (friable)	Low	4	Remove
13-138/ 01-19-96	Pipe run insulation, 6" OD	Basement, equipment room	30-40% Amosite 35-40% Chrysotile	Ref. sample 133		Damaged (friable)	High	4	Remove
13-139	Pipe run insulation, 6" OD	Basement, equip. roo	None detected	N/A	N/A	N/A	N/A		
13-140/ 01-19-96	Pipe Joint insulation, 8" OD (fitting)	Basement, equipment room	10% Amosite	2	EA	Significantly damaged (friable)	High	3	Remove
13-141/ 01-19-96	Pipe run insulation, 8" OD	Basement, equipment room	30-40% Chrysotile	Ref. sample 122		Significantly damaged (friable)	High	3	Remove
13-142/ 01-19-96	Pipe joint insulation, 8" OD (elbow)	Basement, equipment room	30% Chrysotile	2	EA	Significantly damaged (friable)	High	3	Remove
13-143/ 01-19-96	Pipe run insulation, 5" OD	Basement, outside equipment room	25-35% Amosite 5-15% Chrysotile	16	LF	Damaged (friable)	High	4	Remove

82-20

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
13-144 / 01-19-96	Pipe joint insulation, 5" OD (elbow)	Basement, outside equipment room	20-35% Amosite 10-15% Chrysotile	4	EA	Damaged (friable)	High	4	Remove
13-145	Ceiling panel, 2' x 4', type 3	2nd floor, bakery	None detected	N/A	N/A	N/A	N/A		
13-146	Ceiling panel, 2' x 4', type 3	2nd floor, bakery	None detected	N/A	N/A	N/A	N/A		
13-147	Mastic above drop ceiling	2nd floor, bakery	None detected	N/A	N/A	N/A	N/A		
13-148	Mastic above drop ceiling	2nd floor, bakery	None detected	N/A	N/A	N/A	N/A		
13-149	Resilient floor tile and mastic, 9" x 9", white	2nd floor, bakery	3-8% Chrysotile	1,500	SF	Significantly damaged (nonfriable)	Low		
13-150	Resilient floor tile and mastic, 9" x 9", white	2nd floor, bakery	2-8% Chrysotile (mastic → 1% asbestos)	Ref. sample 149		Significantly damaged (nonfriable)	Low		

NOTES:

- 1) Ref. 13-019/035/111/112/115/122/126/131 to 133/135/136/143/144. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref. 13-014 to 016/018 to 020/032 to 035/037 to 039/041/050/052 to 054/056/058 to 060/069 to 073/103/104/106 to 116/122 to 135/137/138/140 to 144. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.

82-21

- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber, or cork, or if further sampling results show non-detection for asbestos.
- 6) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 7) In some rooms several different types of resilient floor tile may be present. In instances where the asbestos-containing RFT comprises the majority of the floor area, all floor tiles have been combined together when calculating the total square footage of materials to be abated. This is as follows: 9" x 9" blue/green RFT includes 9" x 9" brown/grey RFT, 9" x 9" white with brown streaks RFT, 9" x 9" dark brown RFT, and 9" x 9" light brown RFT in dining halls #1 and #2.
- 8) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.
- 9) The potential exposure designation for ACMs is based on the vacancy conditions found in the building at the time of the initial asbestos survey; the surveyed building was vacant at the time of the asbestos survey. Once the use of the surveyed area changes, the potential for damage should be reassessed and appropriate management procedures implemented.

c. Sampling Records

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
20-001	Roofing shingles	Roof	20% Chrysotile	8,000	SF	Undamaged (nonfriable)	Low		
20-002	Roofing shingles	Roof	20% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
20-003	Mastic and canvas material	Roof	None detected	N/A	N/A	N/A	N/A		
20-004	Mastic and canvas material	Roof	None detected	N/A	N/A	N/A	N/A		
20-005	Resilient sheet flooring and mastic, brown	Entry way	None detected	N/A	N/A	N/A	N/A		
20-006	Resilient sheet flooring and mastic, brown	Entry way	None detected	N/A	N/A	N/A	N/A		
20-007	Debris (plaster composite)	Stairs	None detected	N/A	N/A	N/A	N/A		
20-008	Debris (plaster composite)	Stairs	None detected	N/A	N/A	N/A	N/A		
20-009	Resilient sheet flooring and mastic, brown	Restroom	None detected	N/A	N/A	N/A	N/A		
20-010	Resilient sheet flooring and mastic, brown	Adjacent to restroom	None detected	N/A	N/A	N/A	N/A		
20-011	Resilient sheet flooring and mastic, thick layered, brown	Near sink room	None detected	N/A	N/A	N/A	N/A		

82-23

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
20-012	Resilient sheet flooring and mastic, thick layered, brown	Near sink room	None detected	N/A	N/A	N/A	N/A		
20-013	Resilient sheet flooring with canvas backing, brown	Sink room	None detected	N/A	N/A	N/A	N/A		
20-014	Resilient sheet flooring with canvas backing, brown	Sink room	None detected	N/A	N/A	N/A	N/A		
20-015	Plaster material between wood lath	2nd floor room off balcony	None detected	N/A	N/A	N/A	N/A		
20-016	Plaster material between wood lath	2nd floor room off balcony	None detected	N/A	N/A	N/A	N/A		
20-017	Flexible connector/vibration damper	2nd floor room off balcony	None detected	N/A	N/A	N/A	N/A		
20-018	Material around flex connector and between clamps	2nd floor room off balcony	None detected	N/A	N/A	N/A	N/A		
20-019	Flexible connector/vibration damper	2nd floor room off balcony	None detected	N/A	N/A	N/A	N/A		
20-020	Mortar between bricks	2nd floor room off balcony	None detected	N/A	N/A	N/A	N/A		
20-021	Mortar between bricks	2nd floor room off balcony	None detected	N/A	N/A	N/A	N/A		
20-022	Pipe run insulation, 5" OD	Crawl space	40% Chrysotile	250	LF	Damaged (friable)	High		

82-24

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
20-023	Pipe run Insulation, 5" OD	Crawl space	60% Chrysotile	Ref. sample 022		Damaged (friable)	High		
20-024	Pipe run Insulation, 5" OD	Crawl space	60% Chrysotile	Ref. sample 022		Damaged (friable)	High		
20-025	Pipe run Insulation, 4" OD	Crawl space	60% Chrysotile	25	LF	Damaged (friable)	High		
20-026	Pipe run Insulation, 4" OD	Crawl space	60% Chrysotile	Ref. sample 025		Damaged (friable)	High		

NOTES:

- 1) Ref. 20-022 to 026. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref. 20-022 to 026. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amount in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber, or cork, or if further sampling results show non-detection for asbestos.
- 6) The potential exposure designation for ACMs is based on the vacancy conditions found in the building at the time of the initial asbestos survey; the surveyed building was vacant at the time of the asbestos survey. Once the use of the surveyed area changes, the potential for damage should be reassessed and appropriate management procedures implemented.

c. Sampling Records

BUILDING 23

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
23-001	Joint compound	Basement, by stairs	None detected	N/A	N/A	N/A	N/A		
23-002	Joint compound	Basement, by stairs	None detected	N/A	N/A	N/A	N/A		
23-003	Textured paint and plaster	Basement, by stairs	3-8% Chrysotile	100	SF	Undamaged (Nonfriable)	Low		
23-004	Textured paint and plaster	Basement, by stairs	3-8% Chrysotile	Ref. sample 003		Undamaged (Nonfriable)	Low		
23-005	Cement overcoat	Basement wall by exterior stairs	None detected	N/A	N/A	N/A	N/A		
23-006	Cement overcoat	Basement wall by exterior stairs	None detected	N/A	N/A	N/A	N/A		
23-007	Roofing shingles	Roof	3-8% Chrysotile	2,900	SF	Undamaged (Nonfriable)	Low		
23-008	Roofing shingles	Roof	None detected	N/A	N/A	N/A	N/A		
23-009	Roofing shingles	Roof	None detected	N/A	N/A	N/A	N/A		
23-010	Plaster material between wood lath	Attic	None detected	N/A	N/A	N/A	N/A		
23-011	Plaster material between wood lath	Attic	None detected	N/A	N/A	N/A	N/A		
23-012	Joint compound	Attic	None detected	N/A	N/A	N/A	N/A		

NOTES:

- 1) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transite piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.

c. Sampling Records

BUILDINGS 44 AND 63

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
44-001	Resilient floor tile, 12" x 12", white with copper	Room 102A	None detected	N/A	N/A	N/A	N/A		
44-002	Resilient floor tile, 12" x 12", white with copper	Room 102A	None detected	N/A	N/A	N/A	N/A		
44-003	Resilient floor tile, 12" x 12", white with copper	Room 102A	None detected	N/A	N/A	N/A	N/A		
44-004	Resilient floor tile, 12" x 12", white with multi-color pattern	Room west of room 102A	None detected	N/A	N/A	N/A	N/A		
44-005	Resilient floor tile, 12" x 12", white with multi-color pattern	Room west of room 102A	None detected	N/A	N/A	N/A	N/A		
44-006	Resilient floor tile, 12" x 12", white with multi-color pattern	Room west of room 102A	None detected	N/A	N/A	N/A	N/A		
44-007	Baseboard, 3" high, beige	Room west of room 102A	None detected	N/A	N/A	N/A	N/A		
44-008	Baseboard, 3" high, beige	Room west of room 102A	None detected	N/A	N/A	N/A	N/A		
44-009	Baseboard, 3" high, beige	Room west of room 102A	None detected	N/A	N/A	N/A	N/A		
44-010	Paneling, brown	Room west of room 102A	None detected	N/A	N/A	N/A	N/A		

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
44-011	Ceiling panel, 2' x 4', type 1	Room west of room 102A	None detected	N/A	N/A	N/A	N/A		
44-012	Ceiling panel, 2' x 4', type 1	Room west of room 102A	None detected	N/A	N/A	N/A	N/A		
44-013	Resilient floor tile and mastic, 12" x 12", white with tan	Room 102, shop office	None detected	N/A	N/A	N/A	N/A		
44-014	Resilient floor tile and mastic, 12" x 12", white with tan	Room 102, shop office	None detected	N/A	N/A	N/A	N/A		
44-015	Resilient sheet flooring and mastic, brown	Room 102, shop office (on steps)	None detected	N/A	N/A	N/A	N/A		
44-016	Resilient sheet flooring and mastic, brown	Room 102, shop office (on steps)	None detected	N/A	N/A	N/A	N/A		
44-017	Resilient floor tile and mastic, 12" x 12", white with tan	Room 102, shop office	None detected	N/A	N/A	N/A	N/A		
44-018	Baseboard mastic	Room 102, shop office	None detected	N/A	N/A	N/A	N/A		
44-019	Baseboard mastic	Room 102, shop office	None detected	N/A	N/A	N/A	N/A		
44-020	Ceiling panel, 2' x 4'	Room 102, shop office	None detected	N/A	N/A	N/A	N/A		
44-021	Resilient floor tile, 12" x 12", white with copper	Hall by men's locker room	None detected	N/A	N/A	N/A	N/A		

B2-29

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
63-034	Baseboard, 3" high, dark brown	Room 207B, women's restroom	None detected	N/A	N/A	N/A	N/A		
63-035	Baseboard, 3" high, dark brown	Room 207C	15-25% Chrysotile (mastic - >1% asbestos)	220	SF	Undamaged (nonfriable)	Low		
63-036	Baseboard, 3" high, dark brown	Hallway by room 207A	20-30% Chrysotile (mastic - >1% asbestos)	Ref. sample 035		Undamaged (nonfriable)	Low		
44-037	Resilient sheet flooring and mastic, red/brown, on steps	Stairs to 2nd floor	None detected	N/A	N/A	N/A	N/A		
44-038	Resilient sheet flooring and mastic, red/brown, on steps	Stairs to 2nd floor	None detected	N/A	N/A	N/A	N/A		
44-039	Ceiling panel, 2' x 4', type 4	Lock shop	None detected	N/A	N/A	N/A	N/A		
44-040	Ceiling panel, 2' x 4', type 4	Lock shop	None detected	N/A	N/A	N/A	N/A		
44-041	Ceiling panel, 2' x 4', type 4	Lock shop	None detected	N/A	N/A	N/A	N/A		
44-042/ 01-17-96	Pipe joint insulation, 12"OD, (valve)	Lock shop (vault)	10% Amosite 30% Chrysotile	1	EA	Undamaged (friable)	Moderate	7	Maintain
44-043/ 01-17-96	Pipe run insulation, 10"OD,	Lock shop (vault)	5-15% Amosite 20-30% Chrysotile	10	LF	Undamaged (friable)	Moderate	7	Maintain
44-044/ 01-17-96	Pipe joint insulation, 10"OD, (elbow)	Lock shop (vault)	10-20% Amosite 30-40% Chrysotile	1	EA	Undamaged (friable)	Moderate	7	Maintain
63-045	Roofing felt	Small roof building 63	None detected	N/A	N/A	N/A	N/A		

82-30

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
44-022	Resilient floor tile and mastic, 9" x 9", brown and white	Hall by men's locker room	None detected	N/A	N/A	N/A	N/A		N/A
44-023	Resilient floor tile and mastic, 9" x 9", brown and white	Hall by men's locker room	5-15% Chrysotile (mastic - >1% asbestos)	10	SF	Undamaged (nonfriable)	Low		Low
44-024	Resilient floor tile and mastic, 9" x 9", brown and white	Hall by men's locker room	10-20% Chrysotile (mastic - >1% asbestos)	Ref. sample 023		Undamaged (nonfriable)	Low		Low
63-025	Resilient floor tile and mastic, 9" x 9", light brown	Room 207B	None detected	N/A	N/A	N/A	N/A		N/A
63-026	Resilient floor tile and mastic, 9" x 9", light brown	Room 207A, men's restroom	None detected	N/A	N/A	N/A	N/A		N/A
63-027	Resilient floor tile and mastic, 9" x 9", dark brown	Room 207B, women's restroom	None detected	N/A	N/A	N/A	N/A		N/A
63-028	Resilient floor tile and mastic, 9" x 9", dark brown	Room 207A, men's restroom	None detected	N/A	N/A	N/A	N/A		N/A
63-029	Textured paint	Closet	None detected	N/A	N/A	N/A	N/A		N/A
44-030	Textured paint and plaster	Room 204	3-8% Chrysotile	580	SF	Undamaged (nonfriable)	Moderate		Moderate
44-031	Ceiling panel, 2' x 4', type 2	Room 204	None detected	N/A	N/A	N/A	N/A		N/A
44-032	Ceiling panel, 2' x 4', type 2	Room 204	None detected	N/A	N/A	N/A	N/A		N/A
44-033	Ceiling panel, 2' x 4', type 2	Room 204	None detected	N/A	N/A	N/A	N/A		N/A

82-31

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
63-046	Roofing felt	Small roof, building 63	None detected	N/A	N/A	N/A	N/A		
63-047	Roofing mastic	Small roof, building 63	5% Chrysotile	80	SF	Undamaged (nonfriable)	Low		
63-048	Roofing composite	Small roof, building 63	None detected	N/A	N/A	N/A	N/A		
63-049	Roofing composite	Small roof, building 63	None detected	N/A	N/A	N/A	N/A		
44-050	Roofing composite	Large roof, building 44	None detected	N/A	N/A	N/A	N/A		
44-051	Roofing composite	Large roof, building 44	None detected	N/A	N/A	N/A	N/A		
44-052	Mastic and paper material over corrugated metal siding	Exterior, south	80% Chrysotile	140	SF	Undamaged (nonfriable)	Low		
44-053	Mastic and paper material over corrugated metal siding	Exterior, south	80% Chrysotile	Ref. sample 052		Undamaged (nonfriable)	Low		
44-054/ 01-17-96	Pipe run insulation, 16" OD	2nd floor above lock shop	5% Amosite 20% Chrysotile	50	LF	Undamaged (friable)	Moderate	7	Maintain
44-055/ 01-17-96	Pipe joint insulation, 4" OD (elbow)	2nd floor above lock shop	10% Amosite 10% Chrysotile	4	EA	Undamaged (friable)	Moderate	7	Maintain
44-056/ 01-17-96	Pipe run insulation, 4" OD	2nd floor above lock shop	10% Amosite 10% Chrysotile	30	LF	Undamaged (friable)	Moderate	7	Maintain

NOTES:

- 1) Ref. 44-042 to 044/054 to 056. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 2) Ref. 44-055/056. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 6) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 7) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.
- 8) Ref. 44-052/053. Mastic and paper material over corrugated metal siding. Two samples of this material were taken on the south corner of building 44 (while standing on the roof of building 63). It appears that the majority of the metal siding at building 44 consists of this material. The number listed in the "ACM Quantity" column indicates the quantity of material in the area where the sample was taken. An estimate of the total quantity of material is provided in Section b. Material and Cost Data.

c. Sampling Records

Sample No. / Date Verified	Material Description	Material Location	BUILDING 46 Laboratory Results For Asbestos Content		ACM Quantity	ACM Condition and Friability	Potential Exposure	Priority	Response
			Material Location	Laboratory Results For Asbestos Content					
46-001	Ceiling panel, 2' x 4', type 1	Room 103, restroom	None detected	N/A	N/A	N/A	N/A		
46-002	Ceiling panel, 2' x 4', type 1	Room 103, restroom	None detected	N/A	N/A	N/A	N/A		
46-003	Ceiling panel, 2' x 4', type 2	Room 104	None detected	N/A	N/A	N/A	N/A		
46-004	Ceiling panel, 2' x 4', type 2	Room 104	None detected	N/A	N/A	N/A	N/A		
46-005	Resilient floor tile and mastic, 12" x 12", white with grey	Room 104	None detected	N/A	N/A	N/A	N/A		
46-006	Resilient floor tile and mastic, 12" x 12", white with grey	Room 104	None detected	N/A	N/A	N/A	N/A		
46-007	Baseboard, 3" high, brown	Room 104	None detected	N/A	N/A	N/A	N/A		
46-008	Baseboard, 3" high, brown	Room 104	None detected	N/A	N/A	N/A	N/A		
46-009	Plaster composite	Room 102	None detected	N/A	N/A	N/A	N/A		
46-010	Ceiling panel, 2' x 4', type 3	Room 102	None detected	N/A	N/A	N/A	N/A		
46-011	Ceiling panel, 2' x 4', type 3	Room 102	None detected	N/A	N/A	N/A	N/A		
46-012	Resilient floor tile, 12" x 12", orange	Room 102	10% Chrysotile	200	SF	Undamaged (nonfriable)	Low		
46-013	Resilient floor tile, 12" x 12", blue	Room 102	5% Chrysotile	Ref. sample 012		Undamaged (nonfriable)	Low		
46-014	Resilient floor tile, 12" x 12", blue	Room 102	None detected	N/A	N/A	N/A	N/A		

82-34

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
46-015	Resilient sheet flooring, red	Main hallway	None detected	N/A	N/A	N/A	N/A		
46-016	Resilient sheet flooring, red	Main hallway	None detected	N/A	N/A	N/A	N/A		
46-017	Resilient floor tile, 12" x 12", white with brown spots	Room 105	None detected	N/A	N/A	N/A	N/A		
46-018	Resilient floor tile, 12" x 12", white with brown spots	Room 105	None detected	N/A	N/A	N/A	N/A		
46-019	Resilient floor tile, 12" x 12", orange with spots	Room 105	2% Chrysotile	600	SF	Undamaged (nonfriable)	Low		
46-020	Resilient floor tile, 12" x 12", orange with spots	Room 105	None detected	N/A	N/A	N/A	N/A		
46-021	Resilient floor tile, 12" x 12", cream with brown streaks	Room 12	None detected	N/A	N/A	N/A	N/A		
46-022	Resilient floor tile, 12" x 12", cream with brown streaks	Room 12	None detected	N/A	N/A	N/A	N/A		
46-023	Baseboard, 3" high, beige	Room 12	None detected	N/A	N/A	N/A	N/A		
46-024	Baseboard, 3" high, beige	Room 12	None detected	N/A	N/A	N/A	N/A		
46-025	Resilient sheet flooring and mastic, red	Room 108	10% Chrysotile	2,020	SF	Undamaged (nonfriable)	Low		
46-026	Resilient sheet flooring and mastic, red	Room 108	None detected	N/A	N/A	N/A	N/A		
46-027	Ceiling panel, 2' x 4', type 4	Room 12	None detected	N/A	N/A	N/A	N/A		

82-35

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
46-028	Ceiling panel, 2' x 4', type 4	Room 12	None detected	N/A	N/A	N/A	N/A		
46-029	Plaster composite	Room 1B	None detected	N/A	N/A	N/A	N/A		
46-030	Resilient floor tile and mastic, 9" x 9", dark red w/white streaks	Room 1B	2% Chrysotile	310	SF	Undamaged (nonfriable)	Low		
46-031	Resilient floor tile and mastic, 9" x 9", dark red w/white streaks	Room 1B	None detected (mastic->1%Asbestos)	Ref. sample 030		Undamaged (nonfriable)	Low		
46-032	Resilient floor tile, 12" x 12", beige with small dots	Restroom	None detected	N/A	N/A	N/A	N/A		
46-033	Resilient floor tile, 12" x 12", beige with small dots	Restroom	None detected	N/A	N/A	N/A	N/A		
46-034	Baseboard, 3" high, dark brown	Hallway, north side	None detected	N/A	N/A	N/A	N/A		
46-035	Baseboard, 3" high, dark brown	Hallway, north side	None detected	N/A	N/A	N/A	N/A		
46-036	Ceiling panel, 2' x 4', type 5	Room 8	None detected	N/A	N/A	N/A	N/A		
46-037	Ceiling panel, 2' x 4', type 5	Room 8	None detected	N/A	N/A	N/A	N/A		
46-038	Resilient floor tile, 12" x 12", white streaked	Room 9	5% Chrysotile	600	SF	Undamaged (nonfriable)	Low		
46-039	Resilient floor tile, 12" x 12", white streaked	Room 9	5-10% Chrysotile	Ref. sample 038		Undamaged (nonfriable)	Low		

82-36

NOTES:

- 1) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. Pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 2) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 3) In some rooms several different types of resilient floor tile may be present. In instances where the asbestos-containing RFT comprises the majority of the floor area, all floor tiles have been combined together when calculating the total square footage of materials to be abated. This is as follows:
12" x 12" blue RFT includes 12" x 12" orange RFT in room 102; 12" x 12" orange with spots RFT includes 12" x 12" white with brown spots RFT in rooms 105 and 106.

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-GLAHS BUILDING 46
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN K. SPIVEY**

November 15, 2002

November 15, 2002
Contract No. V691P-6501 Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
Bldg. 218, Room 328
11301 Wilshire Boulevard
Los Angeles, CA 90073

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
BUILDING NO 46, VA-GLAHS WEST LA
11301 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073**

Environmental Engineering, Inc. on behalf of the United States Department of Veterans Affairs, reinspected the asbestos containing materials (ACM) in Building 46 of the USVA-Greater Los Angeles Healthcare System (GLAHS) in Los Angeles, California. Mr. James Spencer, Mr. Roman Akeh and Dr. Zainul Abedin of Environmental Engineering, Inc. performed the asbestos inspection at the Site on October 31, 2002. Mr. James Spencer (CAC#92-0368) and Mr. Roman Akeh (CAC #93-1176) are California asbestos consultants and Dr. Zainul Abedin is an asbestos building inspector and management planner and an accredited Lead Inspector, Risk Assessor and a Lead Supervisor (I/S-1151) in the State of California.

Environmental Engineering Inc. performed the survey of the Site structures to identify, assess, and sample suspect ACMs, and to recommend, if necessary, appropriate response actions upon the findings of the survey. The survey consisted of a walk-through of the accessible areas, visual observation for the presence of potential ACM and sampling of presumed asbestos containing materials, and reassessment of the conditions of the known asbestos containing materials presently. Flooring, ceiling, wall plaster, cove base were formerly sampled and tested, and non-friable asbestos was found in the following materials throughout the building:

9"X9" floor tile & mastic
12"X12" floor tile & mastic
Resilient sheet flooring & mastic

No additional friable materials were observed and/or sampled during this inspection, while the conditions of these known asbestos-containing materials were visually observed and re-assessed for management response actions. Based on the findings of this reinspection, non-friable floor tiles

Bldg. 46, VA-GLAHS

Page 2

and sheet flooring and mastic suffered damages requiring patching and manage in-place prior to removal. The results of this survey are summarized in Table 1 with recommended management response actions.

Environmental Engineering, Inc. conducted the asbestos inspection in accessible areas of the Site. Other conditions may exist in inaccessible areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. This survey was performed in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature. If you have any questions concerning the methodology or the results of this survey, please contact us at (818) 547-1330.

Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,



Zainul Abedin, PhD, REA
Project Manager

**Table 1 : BUILDING 46, VA-GLAHS
ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 10/31/02

Materials	Location	ACM Condition	Friability	Potential Exposure	Priority	Response
9"x9' Floor Tile & Mastic	Room 1B	Undamaged	No	Low	7	Maintain
12"x12" Floor Tile & Mastic	Room 9, 102, 105, 108	Damaged	No	Low	6	Patch & Maintain
Resilient Sheet Flooring & Mastic	Room 108	Damaged	No	Low	6	Patch & Maintain

c. Sampling Records

BUILDING 83

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
83-001	Tar paper	Interior west wall	None detected	N/A	N/A	N/A	N/A		
83-002	Tar paper	Interior east wall	None detected	N/A	N/A	N/A	N/A		
83-003	Tar paper	Interior east wall	None detected	N/A	N/A	N/A	N/A		
83-004	Roofing cap sheet	Roof	None detected	N/A	N/A	N/A	N/A		
83-005	Roofing cap sheet	Roof	None detected	N/A	N/A	N/A	N/A		
83-006	Roofing cap sheet	Roof	None detected	N/A	N/A	N/A	N/A		
83-007	Roofing felt below cap sheet	Roof	None detected	N/A	N/A	N/A	N/A		
83-008	Roofing felt below cap sheet	Roof	None detected	N/A	N/A	N/A	N/A		
83-009	Roofing felt below cap sheet	Roof	None detected	N/A	N/A	N/A	N/A		

NOTE:

1) No asbestos-containing materials were identified in any of the samples taken from this building.

c. Sampling Records

BUILDING 90
UNIT A

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
90-001	Resilient floor tile, 12" x 12", red-white spiraled	Room 112, kitchen	None detected	N/A	N/A	N/A	N/A		
90-002	Roofing shingles	Roof (outside room 212)	None detected	N/A	N/A	N/A	N/A		
90-003	Roofing shingles	Roof (outside room 212)	None detected	N/A	N/A	N/A	N/A		
90-004	Roofing shingles	Roof (outside room 212)	None detected	N/A	N/A	N/A	N/A		
90-005	Textured paint and plaster	Attic (over wood wall)	None detected	N/A	N/A	N/A	N/A		
90-006	Textured paint and plaster	Attic (over wood wall)	None detected	N/A	N/A	N/A	N/A		
90-007	Textured paint	Room 212, ceiling	None detected	N/A	N/A	N/A	N/A		
90-008	Textured paint	Room 212, ceiling	None detected	N/A	N/A	N/A	N/A		
90-009	Resilient floor tile, 12" x 12", blue and white spirals	Room 216, bathroom	None detected	N/A	N/A	N/A	N/A		
90-010	Resilient floor tile, 12" x 12", blue and white spirals	Room 216, bathroom	None detected	N/A	N/A	N/A	N/A		

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority Response
90-011	Mastic material	Basement, floor	20% Chrysotile	840	SF	Significantly damaged (nonfriable)	High	
90-012	Mastic material	Basement, floor	10-20% Chrysotile	Ref. sample 011		Significantly damaged	High	
90-013	Resilient floor tile, 12" x 12", red-white spirals	Room 112, kitchen	None detected	N/A	N/A	N/A	N/A	
90-014	Resilient floor tile and mastic, 12" x 12", cream	Room 112, kitchen	2% Chrysotile (mastic->1% asbestos)	160	SF	Undamaged (nonfriable)	Low	
90-015	Resilient floor tile and mastic, 12" x 12", cream	Room 112, kitchen	None detected	N/A	N/A	N/A	N/A	
90-016	Resilient floor tile and mastic, 12" x 12", brown with white squares	Room 216, bathroom	40% Chrysotile (mastic - none detected)	50	SF	Undamaged (nonfriable)	Low	
90-017	Resilient floor tile and mastic, 12" x 12", brown with white squares	Room 216, bathroom	60-75% Chrysotile (mastic - none detected)	Ref. sample 016		Undamaged (nonfriable)	Low	

**BUILDING 90
Unit B**

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
90-018	Exterior stucco	South wall	None detected	N/A	N/A	N/A	N/A		
90-019	Exterior stucco	South wall	None detected	N/A	N/A	N/A	N/A		
90-020	Resilient floor tile, 12" x 12", cream with copper streaks	Room 107, restroom	None detected	N/A	N/A	N/A	N/A		
90-021	Resilient floor tile, 12" x 12", cream with copper streaks	Room 107, restroom	None detected	N/A	N/A	N/A	N/A		
90-022	Resilient floor tile, 12" x 12", solid beige	Room 107, restroom	None detected	N/A	N/A	N/A	N/A		
90-023	Resilient floor tile, 12" x 12", solid beige	Room 107, restroom	None detected	N/A	N/A	N/A	N/A		
90-024	Plaster composite	Basement	None detected	N/A	N/A	N/A	N/A		
90-025	Textured paint	Basement (at ceiling)	None detected	N/A	N/A	N/A	N/A		

NOTE:

1) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.

c. Sampling Records

BUILDING 91 -
Unit A

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit EA	ACM Condition and Friability	Potential Exposure	Priority	Response
91-001	Sink undercoat	Room 111, kitchen	5-15% Chrysotile	1	EA	Undamaged (Nonfriable)	Low		
91-002	Resilient sheet flooring, brick patter	Room 111, kitchen	None detected	N/A	N/A	N/A	N/A		
91-003	Resilient sheet flooring, brick patter	Room 111, kitchen	None detected	N/A	N/A	N/A	N/A		
91-004	Textured paint and plaster	Basement	None detected	N/A	N/A	N/A	N/A		
91-005	Textured paint and plaster	Basement	None detected	N/A	N/A	N/A	N/A		
91-006	Wood material and mastic, underneath resilient sheet flooring	Room 214	None detected	N/A	N/A	N/A	N/A		
91-007	Wood material and mastic, underneath resilient sheet flooring	Room 214	None detected	N/A	N/A	N/A	N/A		
91-008	Wall panels	Attic	None detected	N/A	N/A	N/A	N/A		
91-009	Textured paint and plaster	Attic	None detected	N/A	N/A	N/A	N/A		
91-010	Textured paint and plaster	Attic	None detected	N/A	N/A	N/A	N/A		
91-011	Sprayed-on acoustic ceiling material	Room 212	None detected	N/A	N/A	N/A	N/A		
91-012	Sprayed-on acoustic ceiling material	Room 212	None detected	N/A	N/A	N/A	N/A		
91-013	Ceiling panels, 2'x4'	Room 109	None detected	N/A	N/A	N/A	N/A		
91-014	Textured paint	Closet (at ceiling)	None detected	N/A	N/A	N/A	N/A		
91-015	Ceiling panels, 2'x4'	Room 109	None detected	N/A	N/A	N/A	N/A		

**BUILDING 91
Unit B**

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
91-016	Textured paint and plaster	Basement	None detected	N/A	N/A	N/A	N/A		
91-017	Textured paint and plaster	Basement	None detected	N/A	N/A	N/A	N/A		
91-018	Resilient floor tile, 12"x12", white	Room 204	None detected	N/A	N/A	N/A	N/A		
91-019	Resilient floor tile, 12"x12", white	Room 204	None detected	N/A	N/A	N/A	N/A		
91-020	Baseboard, 3" high, grey	Room 105	None detected	N/A	N/A	N/A	N/A		
91-021	Baseboard, 3" high, grey	Room 105	None detected	N/A	N/A	N/A	N/A		

- 1) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transite piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 2) Ref. 91-001. Sink Undercoat is typically a black, cream, or grey material found on the underside of many sinks throughout the VA Hospital complex. The black, grey, and some of the cream material has been found to be asbestos-positive. The newer material appears to be a white fibrous material which has been found to be asbestos-negative. It is nearly impossible to accurately estimate the number of sinks which have asbestos-containing sink undercoat material without sampling each individual sink in question. Therefore, the number listed in the ACM Quantity column is the number of asbestos-positive sinks in that area.

c. Sampling Records

BUILDING 113										
Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response	
113-001	Textured paint and plaster	Stairs, north	None detected	N/A	N/A	N/A	N/A			
113-002	Resilient floor tile, 12" x 12", white with grey	Hallway by room 308	None detected	N/A	N/A	N/A	N/A			
113-003	Resilient floor tile, 6" x 36", red	Hallway by room 308	None detected	N/A	N/A	N/A	N/A			
113-004	Ceiling panel, 2' x 4', type 1	Hallway by room 308	None detected	N/A	N/A	N/A	N/A			
113-005	Ceiling panel, 2' x 4', type 2	Hallway by room 308	None detected	N/A	N/A	N/A	N/A			
113-006	Resilient floor tile, 9" x 9", grey w/black and white stripes	Hallway by room 308	10% Chrysotile	15,980	SF	Undamaged (nonfriable)	Low			
113-007	Baseboard, 3" high, black	Hallway by room 308	None detected	N/A	N/A	N/A	N/A			
113-008	Pipe joint insulation, 3" OD (elbow)	Hallway by room 308	None detected	N/A	N/A	N/A	N/A			
113-009	Pipe joint insulation, 2" OD (elbow)	Hallway by room 308	None detected	N/A	N/A	N/A	N/A			
113-010	Joint compound	Hallway by room 308	None detected	N/A	N/A	N/A	N/A			
113-011/ 12-29-95	Pipe run insulation, 3" OD	Hallway by room 308	10% Amosite 20% Chrysotile	10	LF	Undamaged (friable)	Low	7	Maintain	

82-48

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
113-012	Resilient floor tile, 12" x 12", white with black stripes	Room 309	5% Chrysotile	850	SF	Undamaged (nonfriable)	Low		
113-013	Resilient floor tile and mastic, 12" x 12", white with beige stripes	Room 310	None detected	N/A	N/A	N/A	N/A		
113-014	Textured paint and plaster	Room 310	None detected	N/A	N/A	N/A	N/A		
113-015	Resilient floor tile and mastic, 9" x 9", light brown with white stripes	Fire room near room 306	10% Chrysotile	20	SF	Undamaged (nonfriable)	Low		
113-016	Ceiling panel, 2' x 4', type 5	Near room 311 in hall	None detected	N/A	N/A	N/A	N/A		
113-017	Baseboard and mastic, 3" high, tan	Room 304, men's restroom	None detected	N/A	N/A	N/A	N/A		
113-018	Ceiling panel, 2' x 4', type 6	Room 303, women's restroom	None detected	N/A	N/A	N/A	N/A		
113-019	Baseboard and mastic, 5" high, dark brown	Room 312	None detected	N/A	N/A	N/A	N/A		
113-020	Resilient floor tile and mastic, 12" x 12", white with brown and grey	Hallway by room 312	None detected	N/A	N/A	N/A	N/A		
113-021	Baseboard and mastic, 3" high, brown	Room 301	None detected	N/A	N/A	N/A	N/A		
113-022	Resilient floor tile and mastic, 12" x 12", white with copper streaks	Room 301	None detected	N/A	N/A	N/A	N/A		

82-49

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
113-023	Ceiling panel, 2' x 4', type 3	Hallway by room 313	None detected	N/A	N/A	N/A	N/A		
113-024	Baseboard and mastic, 3" high, tan	Room 300	None detected	N/A	N/A	N/A	N/A		
113-025	Resilient floor tile and mastic, 12" x 12", white with grey streaks	Hallway by room 315	None detected	N/A	N/A	N/A	N/A		
113-026	Resilient sheet flooring and mastic, white with grey spots	Room 327	None detected	N/A	N/A	N/A	N/A		
113-027	Joint compound	Hallway by room 318 (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
113-028	Penetration mastic	Roof	40% Chrysotile	500	SF	Undamaged (nonfriable)	Low		
113-029	Penetration mastic	Roof	5-12% Chrysotile	Ref. sample 028		Undamaged (nonfriable)	Low		
113-030	Glue and lagging, on HVAC unit	Roof	None detected	N/A	N/A	N/A	N/A		
113-031	Glue and lagging, on HVAC unit	Roof	None detected	N/A	N/A	N/A	N/A		
113-032	Roofing shingles	Roof	None detected	N/A	N/A	N/A	N/A		
113-033	Roofing shingles	Roof	None detected	N/A	N/A	N/A	N/A		
113-034	Roofing felt	Roof	None detected	N/A	N/A	N/A	N/A		
113-035	Roofing felt	Roof	None detected	N/A	N/A	N/A	N/A		
113-036	Roofing mastic (at flashing)	Roof	5% Chrysotile	200	SF	Undamaged (nonfriable)	Low		

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	ACM Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
113-037	Roofing mastic (at flashing)	Roof	10-20% Chrysotile	Ref. sample 036		Undamaged	Low		
113-038	Exterior stucco	Roof	None detected	N/A	N/A	N/A	N/A		
113-039	Resilient floor tile and mastic, 9" x 9", grey with black and white stripes	Hallway by room 214	5-10% Chrysotile (mastic->1% asbestos)	Ref. sample 006		Undamaged (nonfriable)	Low		
113-040	Resilient floor tile and mastic, 6" x 36", red	Hallway by room 216	None detected	N/A	N/A	N/A	N/A		
113-041	Baseboard and mastic, 5" high, brow	Hallway by room 215	None detected	N/A	N/A	N/A	N/A		
113-042	Resilient floor tile and mastic, 9" x 9", light brown with white stripes	Fire hose room, room 217	5-15% Chrysotile (mastic->1% asbestos)	Ref. sample 015		Undamaged (nonfriable)	Low		
113-043	Textured paint and plaster	North stairs, second floor	None detected	N/A	N/A	N/A	N/A		
113-044	Resilient floor tile and mastic, 12" x 12", white with grey streaks	Hall across from room 224	None detected	N/A	N/A	N/A	N/A		
113-045	Ceiling panel, 2' x 4', type 4	Hall by room 209	None detected	N/A	N/A	N/A	N/A		
113-046	Baseboard and mastic, 3" high, brown	Hallway by room 209	None detected	N/A	N/A	N/A	N/A		
113-047	Resilient floor tile and mastic, 12" x 12", blue with white and black	Hallway by room 209	2% Chrysotile (mastic->1% asbestos)	320	SF	Undamaged (nonfriable)	Low		

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
113-048	Resilient floor tile and mastic, 12" x 12", blue with white and black	Hallway by room 211	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 047		Undamaged (nonfriable)	Low		
113-049	Baseboard and mastic, 3" high, black	Hallway by room 211	None detected	N/A	N/A	N/A	N/A		
113-050	Leveling compound	Room 209	None detected	N/A	N/A	N/A	N/A		
113-051	Ceiling panel, 2' x 4', type 3	Hallway by room 211	None detected	N/A	N/A	N/A	N/A		
113-052	Leveling compound	Room 209	None detected	N/A	N/A	N/A	N/A		
113-053	Baseboard and mastic, 3" high, cream	Room 208	None detected	N/A	N/A	N/A	N/A		
113-054	Sink undercoat	Room 208	None detected	N/A	N/A	N/A	N/A		
113-055	Sink undercoat	Room 208	5-12% Chrysotile	1	SF	Undamaged (nonfriable)	Low		
113-056	Joint compound	Elevator lobby	None detected	N/A	N/A	N/A	N/A		
113-057	Ceiling panel, 2' x 4', type 4	Hallway by room 226	None detected	N/A	N/A	N/A	N/A		
113-058	Ceiling panel, 2' x 4', type 2	Hallway by room 237	None detected	N/A	N/A	N/A	N/A		
113-059	Resilient floor tile and mastic, 12" x 12", white with blue dots	Room 226	2% Chrysotile (mastic->1% asbestos)	500	SF	Undamaged (nonfriable)	Low		

82-52

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
113-060	Resilient floor tile and mastic, 12" x 12", white with blue dots	Hallway by room 234A	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 059		Undamaged (nonfriable)	Low		
113-061 / 01-05-96	Pipe run insulation, 3"OD with debris	Pipe chase in room 236	60% Chrysotile	20	LF	Significantly damaged (friable)	High	3	Remove
113-062 / 01-05-96	Pipe run insulation, 4"OD with debris	Pipe chase in room 236	5-10% Amosite 30-45% Chrysotile	Ref. sample 061		Significantly damaged (friable)	High	3	Remove
113-063	Ceiling panel, 2' x 4', type 5	Hallway by room 229	None detected	N/A	N/A	N/A	N/A		
113-064	Resilient floor tile and mastic, 12" x 12", white with tan stripes	Room 230, dark room	5% Chrysotile	1,850	SF	Undamaged (nonfriable)	Low		
113-065	Resilient floor tile and mastic, 12" x 12", white with tan stripes	Room 230, dark room	3-8% Chrysotile (mastic->1% asbestos)	Ref. sample 064		Undamaged (nonfriable)	Low		
113-066	Baseboard and mastic, 5" high, tan	Hallway by room 143	None detected	N/A	N/A	N/A	N/A		
113-067	Baseboard and mastic, 5" high, tan	Break room near room 143	None detected	N/A	N/A	N/A	N/A		
113-068	Ceiling panel, 2' x 4', type 3	Hallway by room 138	None detected	N/A	N/A	N/A	N/A		
113-069	Baseboard and mastic, 3" high, tan	Men's restroom, first floor	None detected	N/A	N/A	N/A	N/A		

82-13

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
113-070	Baseboard and mastic, 3" high, tan	Men's restroom, first floor	None detected	N/A	N/A	N/A	N/A		
113-071	Baseboard and mastic, 3" high, light brown	Room 138	None detected	N/A	N/A	N/A	N/A		
113-072	Baseboard and mastic, 3" high, light brown	Hallway near room 138	None detected	N/A	N/A	N/A	N/A		
113-073	Resilient floor tile and mastic, 9" x 9", grey with black and white stripes	Room 138	5-15% Chrysotile (mastic->1% asbestos)	Ref. sample 006		Undamaged (nonfriable)	Low		
113-074	Mastic material	Room 134	2% Chrysotile	360	SF	Significantly damaged (nonfriable)	High		
113-075	Plaster composite	Room 134	None detected	N/A	N/A	N/A	N/A		
113-076	Pipe joint insulation, 2" OD (elbow)	Stairs, north	None detected	N/A	N/A	N/A	N/A		
113-077	Pipe joint insulation, 3" OD (elbow)	Stairs, north	None detected	N/A	N/A	N/A	N/A		
113-078	Ceiling panel, 2' x 4', type 5	Hallway by room 139	None detected	N/A	N/A	N/A	N/A		
113-079	Ceiling panel, 2' x 4', type 1	Hallway by room 123	None detected	N/A	N/A	N/A	N/A		
113-080	Resilient floor tile and mastic, 12" x 12", white with small beige streaks	Main entrance, north side	15% Chrysotile	1,810	SF	Undamaged (nonfriable)	Low		

82-04

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
113-081	Resilient floor tile and mastic, 12" x 12", white with small beige streaks	Room 118	None detected	N/A	N/A	N/A	N/A		
113-082	Resilient floor tile and mastic, 12" x 12", white with small beige streaks	Near room 234	None detected	N/A	N/A	N/A	N/A		
113-083	Resilient floor tile and mastic, 12" x 12", white with small beige streaks	Near room 234	None detected	N/A	N/A	N/A	N/A		
113-084	Ceiling panel, 2' x 4', hard white, type 7	Room 227	10% Chrysotile	1,070	SF	Undamaged (nonfriable)	Moderate		
113-085	Ceiling panel, 2' x 4', hard white, type 7	Room 227	25-40% Chrysotile	Ref. sample 084		Undamaged (nonfriable)	Moderate		
113-086	Resilient floor tile and mastic, 12" x 12", white with brown grey	Hallway by room 313	None detected	N/A	N/A	N/A	N/A		
113-087	Resilient floor tile and mastic, 12" x 12", white with copper streaks	Room 300	None detected	N/A	N/A	N/A	N/A		
113-088	Resilient floor tile and mastic, 12" x 12", white with black stripes	Room 300	2% Chrysotile (mastic->1% asbestos)	Ref. sample 012		Undamaged (nonfriable)	Low		
113-089	Resilient sheet flooring, white with grey spots	Room 327	None detected	N/A	N/A	N/A	N/A		
113-090	Resilient floor tile and mastic, 9" x 9", grey and white	Basement, Mechanical room	15% Chrysotile	1,070	SF	Significantly damaged (nonfriable)	High		

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
113-091	Resilient floor tile and mastic, 9" x 9", grey and white	Basement, Mechanical room	10-20% Chrysotile (mastic->1% asbestos)	N/A	Ref. sample 090	Significantly damaged (nonfriable)	High		
113-092	Resilient floor tile, 1/4" thick, black, under grey and white floor tile	Basement, Mechanical room	None detected	N/A	N/A	N/A	N/A		
113-093	Resilient floor tile, 1/4" thick, black, under grey and white floor tile	Basement, Mechanical room	None detected	N/A	N/A	N/A	N/A		
113-094	Floor felt, 15" x 15", under hard material	Basement, Mechanical room	None detected	N/A	N/A	N/A	N/A		
113-095	Floor felt, 15" x 15", under hard material	Basement, Mechanical room	None detected	N/A	N/A	N/A	N/A		
113-096	Plaster composite	Basement, Mechanical room	None detected	N/A	N/A	N/A	N/A		
113-097	Plaster composite	Basement, Mechanical room	None detected	N/A	N/A	N/A	N/A		
113-098	Electrical wire insulation	Basement, Mechanical room	None detected	N/A	N/A	N/A	N/A		
113-099	Electrical wire insulation	Basement, Mechanical room	None detected	N/A	N/A	N/A	N/A		
113-100	Debris (suspect TSI)	Basement, Mechanical room	None detected	N/A	N/A	N/A	N/A		
113-101	Debris (suspect TSI)	Basement, Mechanical room	None detected	N/A	N/A	N/A	N/A		

82-56

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
113-102	Putty, on duct work seams (duct sealant)	Basement, Mechanical room	2% Chrysotile	2	SF	Undamaged (nonfriable)	Low		
113-103	Putty, on duct work seams (duct sealant)	Basement, Mechanical room	None detected	N/A	N/A	N/A	N/A		
113-104	Exterior stucco	Southeast side	None detected	N/A	N/A	N/A	N/A		
113-105	Exterior stucco	Southwest side	None detected	N/A	N/A	N/A	N/A		
113-106	Exterior stucco	Southwest side	None detected	N/A	N/A	N/A	N/A		
113-107	Canvas tape, on duct	Exterior	None detected	N/A	N/A	N/A	N/A		
113-108	Canvas tape, on duct	Exterior	None detected	N/A	N/A	N/A	N/A		
113-109	Mastic (duct sealant)	Exterior	None detected	N/A	N/A	N/A	N/A		
113-110	Mastic (duct sealant)	Exterior	None detected	N/A	N/A	N/A	N/A		
113-111	Roofing felt (under roof shingles)	Roof	None detected	N/A	N/A	N/A	N/A		
113-112	Roofing felt (under roof shingles)	Roof	None detected	N/A	N/A	N/A	N/A		
113-113	Roofing felt and mastic (under roof shingles, bottom layer)	Roof	None detected	N/A	N/A	N/A	N/A		
113-114	Roofing felt and mastic (under roof shingles, bottom layer)	Roof	None detected	N/A	N/A	N/A	N/A		
113-115/ 01-08-96	Debris (suspect TSI) (Pipe Insulation 6" OD)	Basement, in wall	40% Chrysotile	2	SF	Significantly damaged (friable)	High	3	Remove

82-57

NOTES:

- 1) Ref. 113-061/062. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref 113-011/061/062. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 6) Ref. 113-054/055. Sink Undercoat is typically a black, grey, and some of the cream material has been found to be asbestos-positive. The throughout the VA Hospital complex. The black, grey, and some of the cream material has been found to be asbestos-positive. The newer material appears to be a white fibrous material which has been found to be asbestos-negative. It is nearly impossible to accurately estimate the number of sinks which have asbestos-containing sink undercoat material without sampling each individual sink in question. Therefore, the number listed in the ACM Quantity column is the number of asbestos-positive sinks in that area.
- 7) In some rooms several different types of resilient floor tile may be present. In instances where the asbestos-containing RFT comprises the majority of the floor area, all floor tiles have been combined together when calculating the total square footage of materials to be abated. This is as follows:
12" x 12" white with beige streaks resilient floor tile in room 234 is included with the asbestos-positive 12" x 12" white with blue dots; 9" x 9" grey with black/white stripes includes 12" x 12" white with blue dots in room 226, 12" x 12" white with grey streaks in the hallway on the 2nd floor, 12" x 12" white with brown/grey on the 3rd floor hallway, and 9" x 9" white w/ beige stripes in rm. 310.
- 8) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 9) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/ or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for a batement is the same for both materials.

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-GLAHS BUILDING 113
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN K. SPIVEY**

November 15, 2002

November 15, 2002
Contract No. V691P-6501 Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
Bldg. 218, Room 328
11301 Wilshire Boulevard
Los Angeles, CA 90073

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
BUILDING NO 113, VA-GLAHS WEST LA
11301 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073**

Environmental Engineering, Inc. on behalf of the United States Department of Veterans Affairs, reinspected the asbestos containing materials (ACM) in Building 113 of the USVA-Greater Los Angeles Healthcare System (GLAHS) in Los Angeles, California. Mr. James Spencer, Mr. Roman Akeh and Dr. Zainul Abedin of Environmental Engineering, Inc. performed the asbestos inspection at the Site on October 21, 2002. Mr. James Spencer (CAC#92-0368) and Mr. Roman Akeh (CAC #93-1176) are California asbestos consultants and Dr. Zainul Abedin is an asbestos building inspector and management planner and an accredited Lead Inspector, Risk Assessor and a Lead Supervisor (I/S-1151) in the State of California.

Environmental Engineering Inc. performed the survey of the site structures to identify, assess, and sample suspect ACM at the Site, and to recommend, if necessary, appropriate response actions upon the findings of the survey. The survey consisted of a walk-through of the accessible areas, visual observation for the presence of potential ACM and sampling of presumed asbestos containing materials, and conditional reassessment of the known ACMs. Flooring, ceiling, carpet mastic, baseboard, textural paint & plaster, joint compound, sink undercoat, exterior wall stucco, HVAC duct sealant & lagging, canvas tape, thermal system insulation (TSI) on pipes, elbows, joints, ducts and debris, and asphaltic roofing felt, shingles & mastic were formerly sampled and tested.

Friable asbestos was found in the following materials throughout the building:

- 3"-4"Φ Pipe & Fitting Insulations
- 6"Φ Pipe & Fitting Insulations
- TSI Debris

Non-friable asbestos was found in the following materials throughout the building:

- 9"X9" Resilient Floor Tile & Mastic
- 12"X12" Resilient Floor Tile & Mastic
- 2'x4' Hard Ceiling Panel
- Sink Undercoat
- Roof Penetration Mastic

There was no major friable asbestos containing materials removal from the Building 113 since 1996. Approximately, 600 square foot of floor tiles & mastic were removed from rooms 204, 210 and hall in 2001.

The conditions of the remaining asbestos-containing materials were visually observed and re-assessed for management response actions. Based on the findings of this reinspection, significantly damaged pipe & fitting insulations remained in basement mechanical room and in room 236 pipe chase that require patching and/or removal for regulatory compliance. In addition, slightly damaged pipe and fitting insulations were observed in room 308 hall that require patching and maintenance. Non-friable floor tiles, ceiling panels and roof mastic remained undamaged in most places that require regular maintenance and inspection for regulatory compliance. The results of this survey are summarized in Table 1 with recommended management response actions.

Environmental Engineering, Inc. conducted the asbestos inspection in accessible areas of the Site. Other conditions may exist in inaccessible areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. This survey was performed in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature. If you have any questions concerning the methodology or the results of this survey, please contact us at (818) 547-1330.

Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,



Zainul Abedin, PhD, REA
Project Manager

**Table 1: BUILDING 113, VA-GLAHS
ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 10/25/02

Material	Location/Rooms	ACM Condition	Friability	Potential Exposure	Priority	Response
3" Ø Pipe & Fitting Insulations	308 Hall	Undamaged	Yes	Moderate	6	Maintain
4" Ø Pipe & Fitting Insulations	238 Pipe Chase	Significantly Damaged	Yes	Moderate	3	Patch/Remove
6" Ø Pipe & Fitting Insulations	238 Pipe Chase	Significantly Damaged	Yes	Moderate	3	Patch/Remove
TSI Debris	Basement In Wall	Significantly Damaged	Yes	Moderate	3	Patch/Remove
	Basement Mech. Room & In Wall, 238 Pipe Chase	Significantly Damaged	Yes	High	2	Remove
8"x8" Floor Tile Mastic	134, 138, 214 & 308 Halls, Fire Hose Room by 217, Fire Room Near 308, Basement Mech. Rm.,	Undamaged	No	Low	7	Maintain
12"x12" Floor Tile Mastic	208, 211 & 234A Halls, 238 Dark Room, 300, Main Entrance, 300	Undamaged	No	Low	7	Maintain
2"x4" Hard Ceiling Panels	227	Undamaged	No	Low	7	Maintain
Sink Undercoat	208	Undamaged	No	Low	7	Maintain
Roof Penetration Mastic	Roof, Roof Flashing	Undamaged	No	Low	7	Maintain

Notes : 1. TSI Debris in Basement Mech. Room,
2. 8"x8" Floor tiles : 6 tiles damaged in Room 227, minor damages in 2nd Floor, exposed mastic in Room 134
8 tiles damaged in basement mechanical room

c. Sampling Records

BUILDING 114										
Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response	
114-001	Roofing composite	Roof	None detected	N/A	N/A	N/A	N/A			
114-002	Roofing composite	Roof	None detected	N/A	N/A	N/A	N/A			
114-003	Roofing mastic	Roof	40% Chrysotile	1,120	SF	Undamaged (nonfriable)	Low			
114-004	Roofing mastic	Roof	20-30% Chrysotile	Ref. sample 003		Undamaged (nonfriable)	Low			
114-005	Penetration mastic	Roof	None detected	N/A	N/A	N/A	N/A			
114-006	Penetration mastic	Roof	10-18% Chrysotile	100	SF	Undamaged (nonfriable)	Low			
114-007	Roofing mastic (at flashing)	Roof	5-10% Chrysotile	Ref. sample 003		Undamaged (nonfriable)	Low			
114-008	Roofing mastic (at flashing)	Roof	2% Chrysotile	Ref. sample 003		Undamaged (nonfriable)	Low			
114-009	Roofing mastic (at flashing)	Roof	5-15% Chrysotile	Ref. sample 003		Undamaged (nonfriable)	Low			
114-010	Roofing shingle and felt	Roof	None detected	N/A	N/A	N/A	N/A			
114-011	Roofing shingle and felt	Roof	None detected	N/A	N/A	N/A	N/A			
114-012	Roofing shingle and felt	Roof	None detected	N/A	N/A	N/A	N/A			
114-013	Flexible connector/vibration damper	Roof	None detected	N/A	N/A	N/A	N/A			

82-63

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
114-014	Flexible connector/vibration dampener	Roof	None detected	N/A	N/A	N/A	N/A		
114-015	Flexible connector/vibration dampener	Roof	None detected	N/A	N/A	N/A	N/A		
114-016	Textured plaster with paint	Stairwell to roof	None detected	N/A	N/A	N/A	N/A		
114-017	Textured plaster with paint	Stairwell to roof	None detected	N/A	N/A	N/A	N/A		
114-018 / 12-26-95	REMOVED	Attic	10% Amosite 10% Chrysotile	4	LF	Undamaged (friable)	Low		
114-019 / 12-26-95	REMOVED	Attic	35-40% Amosite 10-20% Chrysotile	Ref. sample 018		Undamaged (friable)	Low		
114-020	Sprayed-on fireproofing material	Attic	None detected	N/A	N/A	N/A	N/A		
114-021	Putty-like material	Attic	None detected	N/A	N/A	N/A	N/A		
114-022	Sprayed-on fireproofing material	Attic	None detected	N/A	N/A	N/A	N/A		
114-023	Putty-like material	Attic	None detected	N/A	N/A	N/A	N/A		
114-024	Canvas tape	Attic	None detected	N/A	N/A	N/A	N/A		
114-025	Canvas tape	Attic	None detected	N/A	N/A	N/A	N/A		
114-026 / 12-26-95	Pipe joint insulation, 4" OD (elbow)	Attic, west wing	25-40% Amosite 15-20% Chrysotile	1	EA	Slightly damaged (friable)	Low	6	Patch
114-027 / 12-26-95	Pipe joint insulation, 4" OD (elbow)	Attic, west wing	20% Amosite 20% Chrysotile	Ref. sample 26		Slightly damaged (friable)	Low	6	Patch
114-028 / 12-26-95	Pipe run insulation, 3" OD	Attic, west wing	25-35% Amosite	15	LF	Slightly damaged (friable)	Low	6	Patch

82-64

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
114-029/ 12-26-95	REMOVED								
114-030/ 12-26-95	Debris (suspect TSI)	Attic, west wing	40% Amosite	3	SF	Significantly damaged (friable)	High	3	Remove
114-031/ 12-26-95	Debris (suspect TSI)	Attic, west wing	30-45% Amosite	Ref. sample 030		Significantly damaged (friable)	High	3	Remove
114-032	Pipe run insulation (cork and mastic)	Third floor, west stairwell	None detected	N/A	N/A	N/A	N/A		
114-033	Pipe run insulation (cork and mastic)	Third floor, west stairwell	None detected	N/A	N/A	N/A	N/A		
114-034	Resilient floor tile and mastic, 9" x 9", blue	Hallway by room 319	10% Chrysotile	Ref. sample 035		Undamaged (nonfriable)	Low		
114-035	Resilient floor tile and mastic, 9" x 9", light brown	Hallway by room 319	10% Chrysotile	2,420	SF	Undamaged (nonfriable)	Low		
114-036	Resilient floor tile and mastic, 9" x 9", dark brown	Hallway by room 319	10% Chrysotile	20,260	SF	Undamaged (nonfriable)	Low		
114-037	Plaster composite	Hall by room 319	None detected	N/A	N/A	N/A	N/A		
114-038	Ceiling panel, 2' x 4', type 1	Hall by room 319	None detected	N/A	N/A	N/A	N/A		
114-039	Ceiling panel, 2' x 4', type 2	Hall by room 319	None detected	N/A	N/A	N/A	N/A		
114-040	Ceiling panel, 2' x 4', type 3	Hall by room 319	None detected	N/A	N/A	N/A	N/A		
114-041	Resilient floor tile and mastic, 12" x 12", white with grey stripes	Hallway by room 300	None detected	N/A	N/A	N/A	N/A		

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
114-042	Resilient floor tile and mastic, 12" x 12", white with tan stripes	Hallway by room 317	None detected	N/A	N/A	N/A	N/A		
114-043	Baseboard and mastic, black	Room 317	None detected	N/A	N/A	N/A	N/A		
114-044	Baseboard and mastic, black	Men's restroom,	None detected	N/A	N/A	N/A	N/A		
114-045	Baseboard and mastic, 5" high, black	Men's restroom, 3rd floor	None detected	N/A	N/A	N/A	N/A		
114-046	Textured paint and plaster	Fire access panel, 3rd floor	None detected	N/A	N/A	N/A	N/A		
114-047	Carpet mastic	Room 300	None detected	N/A	N/A	N/A	N/A		
114-048	Ceiling panel, 2' x 4', type 4	Room 300	None detected	N/A	N/A	N/A	N/A		
114-049	Baseboard and mastic, 3" high, grey	Room 300	None detected	N/A	N/A	N/A	N/A		
114-050/ 12-26-95	Pipe run insulation, 4" OD	Room 318	5-10% Amosite 30-45% Chrysotile	5	LF	Slightly damaged (friable)	Low	5	Patch
114-051/ 12-26-95	Pipe joint insulation, 4"OD (elbow)	Room 318	25-30% Amosite 5-15% Chrysotile	2	EA	Slightly damaged (friable)	Low	5	Patch
114-052	Resilient floor tile and mastic, mastic, 12" x 12", orange	Room 318	5% Chrysotile	60	SF	Undamaged (nonfriable)	Low		
114-053	Resilient floor tile and mastic, mastic, 12" x 12", orange	Room 318	Floor tile-none detected (mastic->1% asbestos)	Ref. sample 052		Undamaged (nonfriable)	Low		
114-054	Leveling compound	Room 318	None detected	N/A	N/A	N/A	N/A		

82-66

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
114-055	Leveling compound	Room 318	None detected	N/A	N/A	N/A	N/A		
114-056	Baseboard and mastic, 3" high, black	Room 318	None detected	N/A	N/A	N/A	N/A		
114-057	Baseboard and mastic, 3" high, black	Room 318	None detected	N/A	N/A	N/A	N/A		
114-058	Baseboard and mastic, 3" high, grey	Room 330	None detected	N/A	N/A	N/A	N/A		
114-059	Baseboard and mastic, 3" high, grey	Room 330	None detected	N/A	N/A	N/A	N/A		
114-060	Carpet mastic	Room 330	None detected	N/A	N/A	N/A	N/A		
114-061	Ceiling panel, 2' x 4', type 5	Room 330	None detected	N/A	N/A	N/A	N/A		
114-062	Ceiling tile mastic	Room 330	None detected	N/A	N/A	N/A	N/A		
114-063	Ceiling tile mastic	Room 330	None detected	N/A	N/A	N/A	N/A		
114-064	Resilient floor tile and mastic, 12" x 12", white with grey spots	Room 324	2% Chrysotile	450	SF	Undamaged (nonfriable)	Low		
114-065	Baseboard and mastic, 2" high, black	Room 324	None detected	N/A	N/A	N/A	N/A		
114-066	Baseboard and mastic, 2" high, black	Room 324	None detected	N/A	N/A	N/A	N/A		
114-067	Resilient floor tile and mastic, 9" x 9", Blue	Room 325	5-15% Chrysotile (mastic-none detected)	Ref. sample 035		Undamaged (nonfriable)	Low		
114-068	Resilient floor tile and mastic, 9" x 9", light brown	Room 325	10-20% Chrysotile	Ref. sample 035		Undamaged (nonfriable)	Low		
114-069	Resilient sheet flooring, brown	Hall by room 326	None detected	N/A	N/A	N/A	N/A		
114-070	Resilient sheet flooring, brown	Hall by room 326	None detected	N/A	N/A	N/A	N/A		

82-67

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
114-071	Ceiling tile, 12" x 12", type 6	Hall by room 326	None detected	N/A	N/A	N/A	N/A		
114-072	Ceiling tile, 12" x 12", type 6	Hall by room 326	None detected	N/A	N/A	N/A	N/A		
114-073	Resilient floor tile and mastic, 12" x 12", white with grey and olive	Room 301B	10% Chrysotile	1,950	SF	Undamaged (nonfriable)	Low		
114-074	Resilient floor tile and mastic, 12" x 12", white with grey and olive	Room 301	None detected	N/A	N/A	N/A	N/A		
114-075	Ceiling panel, 2' x 4', type 8	Room 302	None detected	N/A	N/A	N/A	N/A		
114-076	Ceiling tile, 12" x 12", type 7	Room 302	None detected	N/A	N/A	N/A	N/A		
114-077	Ceiling tile, 12" x 12", type 7	Room 302	None detected	N/A	N/A	N/A	N/A		
114-078	Ceiling tile mastic	Room 302	None detected	N/A	N/A	N/A	N/A		
114-079	Baseboard and mastic, 3" high, crea	Room 312	None detected	N/A	N/A	N/A	N/A		
114-080	Baseboard and mastic, 3" high, crea	Room 312	None detected	N/A	N/A	N/A	N/A		
114-081	Resilient floor tile and mastic, 9" x 9", dark brown	Room 304	5-18% Chrysotile (mastic-none detected)	Ref. sample 036		Undamaged (nonfriable)	Low		
114-082	Resilient floor tile and mastic, 9" x 9", grey with streaks	Room 304C	5-10% Chrysotile (mastic-none detected)	1,450	SF	Undamaged (nonfriable)	Low		
114-083	Resilient floor tile and mastic, 9" x 9", grey with streaks	Room 304C	5% Chrysotile	Ref. sample 062		Undamaged (nonfriable)	Low		
114-084	Resilient floor tile and mastic, 12" x 12", white with light brown stripes	Room 304A	Floor tile-none detecte (mastic->1% asbestos)	5,380	SF	Undamaged (nonfriable)	Low		

82-68

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
114-085	Resilient floor tile and mastic, 12" x 12", white with light brown stripes	Room 304A	5% Chrysotile	Ref. sample 084		Undamaged (nonfriable)	Low		
114-086	Resilient floor tile and mastic, 9" x 9", grey with red and black	Room 305	5-10% Chrysotile (mastic->1% asbestos)	540	SF	Undamaged (nonfriable)	Low		
114-087	Resilient floor tile and mastic, 9" x 9", grey with red and black	Room 305	10% Chrysotile	Ref. sample 086		Undamaged (nonfriable)	Low		
114-088/ 12-26-95	Pipe run insulation, 3" OD	Room 305	10% Amosite	8	LF	Undamaged (friable)	Low	7	Maintain
114-089	Resilient floor tile strip, brown	Room 305	None detected	N/A	N/A	N/A	N/A		
114-090	Resilient floor tile strip, brown	Room 305	None detected	N/A	N/A	N/A	N/A		
114-091/ 12-26-95	Pipe joint insulation, 3" OD (elbow)	Room 305	25-40% Amosite	2	EA	Undamaged (friable)	Low	7	Maintain
114-092	Resilient floor tile and mastic, 12" x 12", green	Elevator	None detected	N/A	N/A	N/A	N/A		
114-093	Resilient floor tile and mastic, 12" x 12", green	Elevator	None detected	N/A	N/A	N/A	N/A		
114-094	Ceiling panel, 2' x 4', type 2	Hallway by room 218A	None detected	N/A	N/A	N/A	N/A		
114-095	Ceiling panel, 2' x 4', type 4	Hallway by room 218A	None detected	N/A	N/A	N/A	N/A		
114-096	Baseboard and mastic, 3" high, black	Room 217	None detected	N/A	N/A	N/A	N/A		

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
114-097	Resilient floor tile and mastic, 9" x 9", grey with streaks	Hallway by room 218	10-12% Chrysotile (mastic-none detected)	Ref. sample 082		Undamaged (nonfriable)	Low		
114-098 / 12-26-95	Pipe run insulation, 4" OD	Room 215	5-12% Amosite 30-40% Chrysotile	10	LF	Damaged (friable)	High	2	Patch & cap ends
114-099 / 12-26-95	Pipe run insulation, 4" OD	Room 215	20% Amosite 40% Chrysotile	Ref. sample 098		Damaged (friable)	High	2	Patch
114-100 / 12-26-95	Pipe run insulation, 3" OD	Room 213	20% Amosite 40% Chrysotile	6	LF	Undamaged (friable)	Low	7	Maintain
114-101	Resilient floor tile and mastic, 12" x 12", white with black streaks	Room 202	2% Chrysotile	630	SF	Undamaged (nonfriable)	Low		
114-102	Resilient floor tile and mastic, 12" x 12", white with black streaks	Room 202	None detected	N/A	N/A	N/A	N/A		
114-103	Baseboard and mastic, 3" high, crea	Room 202	None detected	N/A	N/A	N/A	N/A		
114-104	Resilient floor tile and mastic, 12" x 12", white and tan multi-stripe	Hallway by room 205	None detected	N/A	N/A	N/A	N/A		
114-105	Resilient floor tile and mastic, 12" x 12", white and tan multi-stripe	Hallway by room 205	None detected	N/A	N/A	N/A	N/A		
114-106	Sink undercoat	Room 202	3-7% Chrysotile	3	EA	Undamaged (nonfriable)	Low		
114-107	Sink undercoat	Room 202	2% Chrysotile	Ref. sample 106		Undamaged (nonfriable)	Low		
114-108	Plaster composite	Room 207	None detected	N/A	N/A	N/A	N/A		

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
114-109	Resilient sheet flooring, light brown	East hallway	40% Chrysotile	150	SF	Undamaged (nonfriable)	Low		
114-110	Resilient sheet flooring, light brown	East hallway	None detected	N/A	N/A	N/A	N/A		
114-111	Resilient floor tile and mastic, 12" x 12", light brown	Room 210	None detected	N/A	N/A	N/A	N/A		
114-112	Resilient floor tile and mastic, 12" x 12", light brown	Room 210	None detected	N/A	N/A	N/A	N/A		
114-113	Resilient sheet flooring, red and gree	Room 212A	None detected	N/A	N/A	N/A	N/A		
114-114	Resilient sheet flooring, red and gree	Room 212A	None detected	N/A	N/A	N/A	N/A		
114-115	Plaster composite	Room 211A	None detected	N/A	N/A	N/A	N/A		
114-116	Sink undercoat	Room 210	2% Chrysotile	2	EA	Undamaged (nonfriable)	Low		
114-117	Sink undercoat	Room 210	5-12% Chrysotile	Ref. sample 116		Undamaged (nonfriable)	Low		
114-118	Baseboard and mastic, 3" high, brown	Second floor,	None detected	N/A	N/A	N/A	N/A		
114-119/ 12-26-95	Pipe joint insulation, 2"OD (elbow)	Room 203	10% Chrysotile	4	EA	Undamaged (friable)	Moderate	7	Maintain
114-120/ 12-26-95	Pipe joint insulation, 2"OD (elbow)	Room 203	10-20% Chrysotile	4	EA	Undamaged (friable)	Moderate	7	Maintain
114-121/ 12-26-95	Pipe joint insulation, 2"OD (elbow)	Room 203	15-30% Chrysotile	3	EA	Undamaged (friable)	Moderate	7	Maintain

82-71

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
114-122/ 12-26-95	Pipe joint insulation, 2" OD (elbow)	Room 203	10% Chrysotile	3	EA	Undamaged (friable)	Moderate	7	Maintain
114-123	Baseboard and mastic, 3" high, brow	Room 205	None detected	N/A	N/A	N/A	N/A		
114-124/ 12-26-95	Pipe joint insulation, 4" OD (elbow)	Room 203A	20% Amosite 60% Chrysotile	1	EA	Undamaged (friable)	Moderate	7	Maintain
114-125/ 12-26-95	Pipe run insulation, 4" OD	Room 203A	20% Amosite 20% Chrysotile	5	LF	Undamaged (friable)	Moderate	7	Maintain
114-126/ 12-26-95	Pipe joint insulation, 4" OD (elbow)	Room 205A	25-30% Amosite 15-20% Chrysotile	1	EA	Undamaged (friable)	Moderate	7	Maintain
114-127/ 12-26-95	Pipe run insulation, 3" OD	Room 202A	20% Amosite 20% Chrysotile	12	LF	Undamaged (friable)	Moderate	7	Maintain
114-128/ 12-26-95	Pipe run insulation, 3" OD	Room 203A	10-15% Amosite 20-30% Chrysotile	5	LF	Undamaged (friable)	Moderate	7	Maintain
114-129	Textured plaster with paint	Room 200B	None detected	N/A	N/A	N/A	N/A		
114-130	Resilient floor tile and mastic, 9" x 9", white with tan stripes	Room 200	None detected	N/A	N/A	N/A	N/A		
114-131/ 12-26-95	Pipe joint insulation, 6" OD (elbow)	Stairwell, central area	20% Amosite 20% Chrysotile	2	EA	Undamaged (friable)	Moderate	7	Maintain
114-132/ 12-26-95	Pipe run insulation, 4" OD (cork and mastic)	Stairwell, central area	Pipe insulation- none detected (mastic->1% asbestos)	12	LF	Undamaged (nonfriable)	Moderate	7	Maintain
114-133/ 01-02-96	Pipe joint insulation, 3" OD (elbow)	Room 221A	25-40% Amosite 5-10% Chrysotile	4	EA	Undamaged (friable)	Moderate	5	Remove

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
114-134 / 01-02-96	Pipe run insulation, 3" OD	Room 221A	40% Amosite 40% Chrysotile	13	LF	Slightly damaged (friable)	Moderate	5	Remove
114-135	Resilient floor tile and mastic, 9" x 9", white with black lines	Room 221	5-12% Chrysotile (mastic->1% asbestos)	Ref. Sample 035		Undamaged (nonfriable)	Low		
114-136	Resilient floor tile and mastic, 9" x 9", white with black lines	Room 221	2% Chrysotile (mastic->1% asbestos)	Ref. Sample 035		Undamaged (nonfriable)	Low		
114-137 / 12-26-95	Pipe run insulation, 3" OD at ceiling penetration	Room 233	40% Amosite 20% Chrysotile	1	LF	Damaged (friable)	High moderate	2	Remove
114-138 / 01-02-96	REMOVED	-	-	-	-	-	-	-	-
114-139 / 01-02-96	Pipe run insulation, 3" OD	Room 231	20% Chrysotile	10	LF	Undamaged (friable)	Moderate	7	Maintain
114-140	Ceiling panel, 2' x 4', type 8	Room 231	None detected	N/A	N/A	N/A	N/A		
114-141 / 12-26-95	Pipe run insulation, 4" OD	Room 201	20% Amosite 20% Chrysotile	4	LF	Undamaged (friable)	Moderate	7	Maintain
114-142 / 01-02-96	Pipe joint insulation, 3"OD (elbow)	Room 229	10-20% Chrysotile	1	EA	Undamaged (friable)	Moderate	7	Maintain
114-143	Resilient floor tile and mastic, 9" x 9", tan	Room 229	2% Chrysotile (mastic->1% asbestos)	1,290	SF	Undamaged (nonfriable)	Low		
114-144	Resilient floor tile and mastic, 9" x 9", tan	Room 229	3-8% Chrysotile (mastic->1% asbestos)	Ref. sample 143		Undamaged (nonfriable)	Low		
114-145	Carpet mastic	Room 229	None detected	N/A	N/A	N/A	N/A		

NOTE:

Removal is suggested for samples 133 and 134 even though condition was noted as "slightly damaged" removal is suggested because room 221A is used for surgery.

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
114-146	Ceiling panel, 2' x 4', type 4	Room 229	None detected	N/A	N/A	N/A	N/A		
114-147	Ceiling panel, 2' x 4', type 1	Room 229	None detected	N/A	N/A	N/A	N/A		
114-148/ 12-26-95	REMOVED	-	-	-	-	-	-	-	-
114-149/ 12-26-95	REMOVED	-	-	-	-	-	-	-	-
114-150/ 12-26-95	Pipe run insulation, 3" OD	Room 226	25-35% Amosite 5-15% Chrysotile	3	LF	Slightly damaged (friable)	Moderate	5	Patch
114-151/ 12-26-95	Pipe joint insulation, 3" OD (elbow)	Room 226	25-40% Amosite 15-20% Chrysotile	1	EA	Slightly damaged (friable)	Moderate	5	Patch
114-152/ 12-26-95	Pipe run insulation, 3" OD	Hallway by room 224 (above drop ceiling)	20% Amosite 20% Chrysotile	120	LF	Undamaged (friable)	Low	7	Maintain
114-153/ 12-26-95	REMOVED	-	-	-	-	-	-	-	-
114-154/ 12-26-95	Pipe joint insulation, 3" OD (fitting)	Hallway by room 224 (above drop ceiling)	20% Amosite 20% Chrysotile	1	EA	Undamaged (friable)	Low	7	Maintain
114-155	Ceiling panel, 2' x 4', type 2	Hall by room 224	None detected	N/A	N/A	N/A	N/A		
114-156/ 12-26-95	REMOVED	-	-	-	-	-	-	-	-

82-74

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
114-157	Plaster composite	Passageway leading to building 115	None detected	N/A	N/A	N/A	N/A		
114-158	Resilient sheet flooring, red	Passageway leading to building 115	None detected	N/A	N/A	N/A	N/A		
114-159	Resilient sheet flooring, red	Passageway leading to building 115	None detected	N/A	N/A	N/A	N/A		
114-160	Debris (suspect TSI)	Passageway leading to building 115	None detected	N/A	N/A	N/A	N/A		
114-161/ 01-02-96	Pipe run insulation, 2" OD, (hard tape)	Room 209D	60% Chrysotile	4	LF	Undamaged (friable)	Moderate 7	7	Maintain
114-162/ 01-02-96	Pipe run insulation, 3" OD	Room 209D	20-25% Amosite 15-25% Chrysotile	50	LF	Undamaged (friable)	Moderate 7	7	Maintain
114-163/ 01-02-96	Pipe joint insulation, 4" OD (elbow)	Room 209D	20% Amosite 20% Chrysotile	10	EA	Undamaged (friable)	Moderate 7	7	Maintain
114-164/ 01-02-96	Pipe run insulation, 4" OD	Room 209D	25-40% Amosite 5-10% Chrysotile	12	LF	Undamaged (friable)	Moderate 7	7	Maintain
114-165/ 01-02-96	Pipe run insulation, 4" OD	Room 209D	20% Amosite 20% Chrysotile	12	LF	Undamaged (friable)	Moderate 7	7	Maintain
114-166/ 01-02-96	Pipe run insulation, 3" OD	Room 209D	30-40% Amosite 5-10% Chrysotile	12	LF	Undamaged (friable)	Moderate 7	7	Maintain
114-167	Baseboard and mastic, 5" high, brow	Hallway by rm. 122 room 217C	None detected	N/A	N/A	N/A	N/A		
114-168	Ceiling panel, 2' x 4', type 3	Hallway by rm. 122	None detected	N/A	N/A	N/A	N/A		
114-169	Ceiling panel, 2' x 4', type 1	Hallway by rm. 122	None detected	N/A	N/A	N/A	N/A		

82-78

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
114-170	Resilient sheet flooring and mastic, white and grey	Room 114	None detected	N/A	N/A	N/A	N/A		
114-171	Resilient sheet flooring and mastic, white and grey	Room 114	None detected	N/A	N/A	N/A	N/A		
114-172	Resilient floor tile and mastic, 12" x 12", white with tan stripes	Hallway by room 122	None detected	N/A	N/A	N/A	N/A		
114-173/ 12-28-96	Pipe joint insulation, 3" OD (elbow)	Room 115	5% Amosite	3	EA	Slightly damaged (friable)	Moderate		Remove
114-174/ 12-28-96	Pipe joint insulation, 3" OD (elbow)	Room 115	5-15% Amosite 25-40% Chrysotile	Ref. sample 173		Slightly damaged (friable)	Moderate		Remove
114-175/ 12-28-96	Pipe run insulation, 8" OD	Room 121 above ceiling	10% Amosite 40% Chrysotile	25	LF	Slightly damaged (friable)	High		Patch (remove debris)
114-176/ 12-28-96	Pipe run insulation, 3" OD	Room 122A	10% Amosite 40% Chrysotile	15	LF	Slightly damaged (friable)	Low		Patch <i>Removed</i>
114-177	Plaster composite	Room next to room 115	None detected	N/A	N/A	N/A	N/A		
114-178	Ceiling panel, 2' x 4', type 3	Room 113	None detected	N/A	N/A	N/A	N/A		
114-179	Pipe run insulation, 3" OD	Room 113	2% Amosite 38% Chrysotile	8	LF	Slightly damaged (friable)	Low Moderate		Patch
114-180	Pipe run insulation, 4" OD	Room 113	5-10% Amosite 20-30% Chrysotile	8	LF	Slightly damaged (friable)	Low Moderate		Patch

NOTE: Ref. 114-175. Small Adjacent pipe insulation is significantly damaged with debris near north wall above ceiling (as shown on drawing)

02-76

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
114-181	Joint compound	Room 112 and 113	3% Chrysotile	530	SF	Undamaged (nonfriable)	Low		
114-182	Ceiling tile, 12" x 12", type 7	1st floor, hallway by women's restroom	None detected	N/A	N/A	N/A	N/A		
114-183	Baseboard mastic	1st floor, hallway by women's restroom	None detected	N/A	N/A	N/A	N/A		
114-184	Baseboard, 5" high, brown	1st floor, hallway by women's restroom	None detected	N/A	N/A	N/A	N/A		
114-185	Resilient floor tile and mastic, 12" x 12", gray, blue, and white spec	Hallway by room 109G	None detected	N/A	N/A	N/A	N/A		
114-186	Resilient floor tile and mastic, 12" x 12", gray, blue, and white specks	Room 103I	None detected	N/A	N/A	N/A	N/A		
114-187	Resilient floor tile and mastic, 12" x beige with black and gray stripes	Room 103I	None detected	N/A	N/A	N/A	N/A		
114-188	Resilient floor tile and mastic, 12" x beige with black and gray stripes	Room 103I	None detected	N/A	N/A	N/A	N/A		
114-189	Baseboard and mastic, 3" high, black	Room 103I	None detected	N/A	N/A	N/A	N/A		
114-190	Sink undercoat	Room 102	None detected	N/A	N/A	N/A	N/A		
114-191	Resilient floor tile and mastic, 12" x 12", yellow	Room 102	None detected	N/A	N/A	N/A	N/A		
114-192	Resilient floor tile and mastic, 12" x 12", yellow	Room 102	None detected	N/A	N/A	N/A	N/A		

82-77

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
114-193	Mastic material on refrigeration pipi	Room 103	None detected	N/A	N/A	N/A	N/A		
114-194	Mastic material on refrigration pipi	Room 103	None detected	N/A	N/A	N/A	N/A		
114-195	Sluk undercoat	Room 102	None detected	N/A	N/A	N/A	N/A		
114-196	Resilient floor tile and mastic, 12" x 12", yellow	Room 110	None detected	N/A	N/A	N/A	N/A		
114-197 / 01-02-96	Pipe run insulation, 3" OD	Room 136B	40% Amosite 10% Chrysotile	20	LF	Slightly damaged (friable)	Moderate	5	Patch
114-198 / 01-02-96	Pipe run insulation, 3" OD	Room 136B	20-30% Amosite 1-5% Chrysotile	20	LF	Slightly damaged (friable)	Moderate	5	Patch
114-199	Ceiling panel, 18" x 18", type 10	Room 136A	None detected	N/A	N/A	N/A	N/A		
114-200	Ceiling panel, 18" x 18", type 10	Room 136A	None detected	N/A	N/A	N/A	N/A		
114-201	Flexible connector/vibration dampe	Exterior building, northwest side	None detected	N/A	N/A	N/A	N/A		
114-202	Pipe joint insulation, 4" OD (elbow)	Exterior building, northwest side	None detected	N/A	N/A	N/A	N/A		
114-203 / 12-27-95	Pipe joint insulation, 3"OD (elbow)	Exterior, northwest side	1-5% Chrysotile	4	EA	Significantly damaged (friable)	High	2	Remove
114-204	Mastic material on refrigeration pipi	Exterior building, northwest side	None detected	N/A	N/A	N/A	N/A		
114-205	Exterior atucco	Northwest side	10-20% Chrysotile	9,720	SF	Undamaged (nonfriable)	Low		

82-78

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
114-206/ 07-04-96	REMOVED								
114-207/ 07-04-96	Debris (suspect TSI)	Room 117, pipe chase	15-30% Amosite 10-20% Chrysotile	20	SF	Significantly damaged (friable)	High	3	Remove
114-208	Exterior stucco	East side	None detected	N/A	N/A	N/A	N/A		
114-209	Exterior stucco	South side	15-30% Chrysotile	Ref. sample 205		Undamaged (nonfriable)	Low		
114-210	Roofing cap sheet	Roof, upper	None detected	N/A	N/A	N/A	N/A		
114-211	Roofing cap sheet	Roof, lower	15% Chrysotile	580	SF	Undamaged (nonfriable)	Low		
114-212	Canvas tape	Northwest exterior, mechanical equip.	None detected	N/A	N/A	N/A	N/A		
114-213	Canvas tape	Northwest exterior mechanical equip.	None detected	N/A	N/A	N/A	N/A		
114-214	Mastic material	Northwest exterior, mechanical equip.	None detected	N/A	N/A	N/A	N/A		
114-215	Mastic material	Northwest exterior, mechanical equip.	None detected	N/A	N/A	N/A	N/A		
114-216	Resilient floor tile and mastic, 9" x 9", white with gray streaks	Room 214C	5% Chrysotile	630	SF	Undamaged (nonfriable)	Low		
114-217	Resilient floor tile and mastic, 9" x 9", white with gray streaks	Room 214D	5% Chrysotile	Ref. sample 216		Undamaged (nonfriable)	Low		

82-79

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
114-218	Resilient floor tile and mastic, 9" x 9", white with gray streaks	Room 214E	5% Chrysotile	Ref. sample Z16		Undamaged (nonfriable)	Low		
114-219	Resilient sheet flooring and mastic, red and green	Room 212	None detected	N/A	N/A	N/A	N/A		
114-220	Exterior stucco	South side	2% Chrysotile	Ref. sample 205		Undamaged (nonfriable)	Low		
114-221	Exterior stucco	West side	2% Chrysotile	Ref. sample 205		Undamaged (nonfriable)	Low		
114-222	Joint compound	Room 113	None detected	N/A	N/A	N/A	N/A		
114-223	Exterior stucco	Exterior, east	5% Chrysotile	Ref. sample 205		Undamaged (nonfriable)	Low		
114-224	Exterior stucco	Exterior, northwest	10% Chrysotile	Ref. sample 205		Undamaged (nonfriable)	Low		

NOTES:

- 1) Ref. 114-050/051/088/091/098/099/148/149/151/173 to 176/179/180. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref 114-018/019/026 to 029/050/051/088/091/098 to 100/119 to 122/124 to 128/131 to 134/137 to 142/148 to 152/154/156/161 to 166/173 to 176/179/180/197/198/203/206. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.

82-80

- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 6) Ref. 114-106/107/116/117/190/195. Sink Undercoat is typically a black, cream, or gray material found on the underside of many sinks located throughout the VA Hospital complex. The black, gray, and some of the cream material has been found to be asbestos-positive. The newer material appears to be a white fibrous material which has been found to be asbestos-negative. It is nearly impossible to accurately estimate the number of sinks which have asbestos-containing sink undercoat material without sampling each individual sink in question. Therefore, the number listed in the ACM Quantity column is the number of asbestos-positive sinks in that area.
- 7) Ref. 114-181/222. Joint compound. Due to the difficulty of locating the joint compound and the various renovation projects performed in the building, it is very difficult to accurately estimate the quantity of asbestos-containing joint compound without sampling each specific area in question. Therefore, only the ACM quantity for the area where the sample was taken is included in Section b. Material and Cost data.
- 8) In some rooms several different types of resilient floor tile may be present. In instances where the asbestos-containing RFT comprises the majority of the floor area, all floor tiles have been combined together when calculating the total square footage of materials to be abated. This is as follows:
- 9" x 9" gray with streaks RFT includes 9" x 9" dark brown RFT in room 139; 9" x 9" gray with red and black RFT includes 9" x 9" gray with streaks RFT in rooms 108B, 108C, & 108D, includes 12" x 12" white with tan stripes RFT in rooms 200, 200A, 200B, & 200C, includes 12" x 12" white with light brown stripes RFT in room 207, includes 9" x 9" light brown RFT in room 111, and includes 9" x 9" tan RFT in room 227. 9" x 9" light brown includes 9" x 9" white with multi black stripes RFT in room 221, and includes 9" x 9" blue RFT in rooms 222A, 221A, 221B, 221, 325, 327, 323, and as the border trim in the hallway on the 3rd floor.
- 9) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 10) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-GLAHS BUILDING 114
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN K. SPIVEY**

November 15, 2002

November 15, 2002
Contract No. V691P-6501 Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
Bldg. 218, Room 328
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**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
BUILDING NO 114, VA-GLAHS WEST LA
11401 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073**

Environmental Engineering, Inc. on behalf of the United States Department of Veterans Affairs, reinspected the asbestos containing materials (ACM) in Building 114 of the USVA-Greater Los Angeles Healthcare System (GLAHS) in Los Angeles, California. Mr. James Spencer, Mr. Roman Akeh and Dr. Zainul Abedin of Environmental Engineering, Inc. performed the asbestos inspection at the Site on October 18, 2002. Mr. James Spencer (CAC#92-0368) and Mr. Roman Akeh (CAC #93-1176) are California asbestos consultants and Dr. Zainul Abedin is an asbestos building inspector and management planner and an accredited Lead Inspector, Risk Assessor and a Lead Supervisor (I/S-1151) in the State of California.

Environmental Engineering Inc. performed the survey of the site structures to identify, assess, and sample suspect ACM at the Site, and to recommend, if necessary, appropriate response actions upon the findings of the survey. The survey consisted of a walk-through of the accessible areas, visual observation for the presence of potential ACM and sampling of presumed asbestos containing materials, and conditional reassessment of the known ACMs. Flooring, ceiling, carpet mastic, baseboard, textural paint & plaster, leveling compound, sink undercoat, exterior wall stucco, HVAC flexible connector/vibration damper, canvas tape, sprayed on fire-proofing, thermal system insulation (TSI) on pipes, elbows, fittings, ducts and debris, and asphaltic roofing felt, composite & mastic were formerly sampled and tested.

Based on former sampling and testing, friable asbestos was found in the following materials throughout the building:

- 3"-4"Φ Pipe & Fitting Insulations
- 6"Φ Pipe & Fitting Insulations
- 8"Φ Pipe & Fitting Insulations
- TSI Debris

Based on former sampling and testing, non-friable asbestos was found in the following materials throughout the building:

- 9"X9" Resilient Floor Tile & Mastic
- 12"X12" Resilient Floor Tile & Mastic
- Sink Undercoat o Joint Compound
- Exterior Stucco Plaster o Roofing Cap Sheet & Penetration Mastic

Some of these known asbestos containing materials were removed from the Building 114 since 1996. Approximately, 3700 square foot of floor tiles & mastic and 33 feet of friable pipe & fitting insulations were removed from various areas of the building by 2002. These abated materials are summarized in Table 1.

Based on the findings of this reinspection, significantly damaged TSI debris remained in the west wing attic, room 117 pipe chase and 119 ceiling that require immediate removal for regulatory compliance. Other known friable asbestos containing materials were found damaged in rooms 115, 122, 215, 233, 121 ceiling and northwest exteriors that require repair and/or removal for regulatory compliance. In addition, undamaged to slightly damaged friable pipe & fitting insulations were observed in rooms 113, 122A, 136B, 201, 202A, 203A, 205A, 209D, 213, 221A, 226, 229, 231, 305, 318, 224 hallway ceiling, central stairwell and west wing attic that require patching and maintenance. Meanwhile, most of the non-friable floor tiles, sheeting & mastic, joint compound, sink undercoat, exterior stucco and roofing mastic & cap sheet remained undamaged in most places that require regular maintenance and inspection for regulatory compliance. The results of this survey are summarized in Table 2 with recommended management response actions.

Environmental Engineering, Inc. conducted the asbestos inspection in accessible areas of the Site. Other conditions may exist in inaccessible areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. This survey was performed in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature. If you have any questions concerning the methodology or the results of this survey, please contact us at (818) 547-1330.

Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,

Zainul Abedin, PhD, REA
Project Manager

Table 1 : Asbestos Abatement in Building 114

Date	Asbestos Containing Materials	Locations/Rooms	Quantity
09/05/02	Resilient Floor Tiles & Mastic	205	96 ft ²
		200	150 ft ²
		201	324 ft ²
		212	35 ft ²
08/13/02	Pipe & Fitting Insulations	121 & 122	20 lft
	Resilient Floor Tiles & Mastic	325	150 ft ²
03/18/02	Pipe & Fitting Insulations	2 nd Floor Man's Restroom	7 lft
12/09/01	Pipe & Fitting Insulations	26	8 lft
05/12/01	Resilient Floor Tile & Mastic	Hallway	700 ft ²
04/24/01	Resilient Floor Tile & Mastic	111-Restroom	20 ft ²
03/17/01	Resilient Floor Tiles & Mastic	122	160 ft ²
03/15/01	Pipe & Plaster Insulations	122	40 lft & 300 ft ²
11/14/00	Resilient Floor Tile & Mastic	200	300 ft ²
1 st Qtr 99	Resilient Floor Tile & Mastic	135, 136	966 ft ²
2 nd Qtr 99	Resilient Floor Tile & Mastic	200B Hallway	200 ft ²
3 rd Qtr 99	Resilient Floor Tile & Mastic	231	585 ft ²
Others	Pipe & Fitting Insulations	136	
	Resilient Floor Tile & Mastic	218 Hallway	

**Table 2: BUILDING 114, VA-GLAHS
ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 10/18/02

Materials	Location/Rooms	ACM Condition	Friability	Potential Exposure	Priority	Response
2" @ Pipe & Fitting Insulations	203, 209D	Undamaged	Yes	Moderate	7	Maintain
3" @ Pipe & Fitting Insulations	113, 122A, 136B, 202A, 203A, 209D, 213, 221A, 226, 228, 231, 306, West Wing Attic, 224 Hallway Ceiling	Slightly to Undamaged	Yes	Moderate	6	Patch/Maintain
4" @ Pipe & Fitting Insulations	115, 122, 233, Exterior NW side	Damaged	Yes	High	3	Patch/Remove
6" @ Pipe & Fitting Insulations	113, 201, 203A, 205A, 206D, 316, Central Stairwell, West Wing Attic	Slightly to Undamaged	Yes	Moderate	6	Patch/Maintain
8" @ Pipe & Fitting Insulations	215	Damaged	Yes	High	3	Patch/Remove
TSI Debris	West Wing Attic, 117 Pipe Chases, 119 Ceiling	Significantly Damaged	Yes	High	2	Remove
9"x9" Floor Tile Mastic	213, 214C-E, 221, 228, 304, 304C, 305, 319 Hallway, 325	Undamaged	No	Low	7	Maintain
12"x12" Floor Tile Mastic	202, 301B, 304A, 316, 324	Undamaged	No	Low	7	Maintain
Sheet Flooring & Mastic	East Hallway	Undamaged	No	Low	7	Maintain
Joint Compound	112 & 113	Undamaged	No	Low	7	Maintain
Sink Undercoat	202, 210	Undamaged	No	Low	7	Maintain
Exterior Stucco	All Exterior Walls	Undamaged	No	Low	7	Maintain
Roofing Cap Sheet & Mastic	Roof, Roof Flashing, Lower Roof	Undamaged	No	Low	7	Maintain

Notes : 1. TSI Debris : Newly found in Room 119 Ceiling
2. 9"x9" Floor tiles : 20 tiles damaged in Room 221, all tiles removed from 218 hallway, 3 tiles damaged by 306 hail, replaced in room 325

c. Sampling Records

BUILDING 115									
Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
115-001 / 12-29-95	Pipe run insulation, 4" OD	Attic, piping in mechanical room	40% Amosite 20% Chrysotile	73	LF	Slightly damaged (friable)	Moderate	6	Patch
115-002 / 12-29-95	Pipe joint insulation, 3" OD (fitting)	Attic, piping in mechanical room	25-40% Amosite 10-20% Chrysotile	2	EA	Slightly damaged (friable)	Moderate	6	Patch
115-003 / 12-29-95	Pipe joint insulation, 3" OD (elbow)	Attic, piping in mechanical room	40% Amosite 20% Chrysotile	2	EA	Slightly damaged (friable)	Moderate	6	Patch
115-004 / 12-29-95	Pipe joint insulation, 4" OD (fitting)	Attic, piping in mechanical room	30-40% Amosite 5-15% Chrysotile	2	EA	Slightly damaged (friable)	Moderate	6	Patch
115-005 / 12-29-95	Pipe joint insulation, 4" OD (elbow)	Attic, piping in mechanical room	40% Amosite 20% Chrysotile	2	EA	Slightly damaged (friable)	Moderate	6	Patch
115-006	Flexible connector/vibration dampener	Attic on HVAC	None detected	N/A	N/A	N/A	N/A		
115-007	Textured paint and plaster	Attic, elevator equipment room	None detected	N/A	N/A	N/A	N/A		
115-008	Resilient floor tile, 9" x 9", grey w/yellow and black stripes	Elevator lobby, by stairs	10% Chrysotile	34,490	SF	Damaged (nonfriable)	High		
115-009	Baseboard and mastic, 5" high, brown	Elevator lobby	None detected	N/A	N/A	N/A	N/A		
115-010	Baseboard and mastic, 3" high, black	Room 317	None detected	N/A	N/A	N/A	N/A		
115-011	Ceiling panel, 2' x 4', type 1	Room 317	None detected	N/A	N/A	N/A	N/A		
115-012	Baseboard, 3" high, black	Room 319	None detected	N/A	N/A	N/A	N/A		

82-87

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
115-013	Carpet mastic	Room 319	None detected	N/A	N/A	N/A	N/A		
115-014	Plaster composite	Room 319, ceiling	None detected	N/A	N/A	N/A	N/A		
115-015	Sink undercoat	Room 305	None detected	N/A	N/A	N/A	N/A		
115-016/ 12-29-95	Pipe run insulation, 3" OD in floor penetrations only	Pipe chase between rooms 305 and 306	60% Chrysotile	2	LF	Significantly damaged (friable)	High	3	Remove
115-017/ 12-29-95	REMOVED								
115-018/ 12-29-95	Pipe joint insulation, 3" OD (elbow)	Room 308, restroom	5-15% Chrysotile	2	EA	Undamaged (friable)	Low	7	Maintain
115-019/ 12-29-95	Pipe run insulation, 3" OD	Room 308, restroom	25-35% Chrysotile	3	LF	Undamaged (friable)	Low Moderate	7	Maintain
115-020/ 12-29-95	Pipe run insulation, 4" OD	Room 308, sink room	10-20% Amosite 35-40% Chrysotile	5	LF	Undamaged (friable)	Low Moderate	7	Maintain
115-021/ 12-29-95	Pipe joint insulation, 4" OD (elbow)	Room 306, sink room	10-20% Amosite 30-40% Chrysotile	3	EA	Undamaged (friable)	Moderate	7	Maintain
115-022	Resilient floor tile and mastic, 12" x 12", light grey with spots	Room 308	20% Chrysotile	25	SF	Undamaged (nonfriable)	Low		
115-023/ 01-04-96	Pipe run insulation, 1" OD (hard tape)	Room 308 (at radiator)	80% Chrysotile	5	LF	Undamaged (friable)	Low	7	Maintain
115-024	Resilient floor tile and mastic, 12" x 12", grey with white streaks	Hall by room 311 and stairwell	10% Chrysotile	210	SF	Undamaged (nonfriable)	Low		

82-83

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
115-025	Baseboard and mastic, 3" high, olive	Hallway by room 311 and stairwell	None detected	N/A	N/A	N/A	N/A		
115-026	Resilient floor tile and mastic, 12" x 12", white with copper streaks	Room 312	15% Chrysotile	1,200	SF	Undamaged (nonfriable)	Low		
115-027	Sink undercoat	Room 312	5-15% Chrysotile	8	SF	Undamaged (nonfriable)	Low		
115-028	Resilient floor tile and mastic, 12" x 12", white with copper streaks	Room 312	2% Chrysotile (mastic->1% asbestos)	Ref. sample 026		Undamaged (nonfriable)	Moderate		
115-029	Ceiling panel, 2' x 4', white with small dots and fissures	Room 312	None detected	N/A	N/A	N/A	N/A		
115-030	Sink undercoat	Room 313	20% Chrysotile	5	EA	Undamaged (friable)	Low		
115-031	Resilient floor tile and mastic, 12" x 12", white, marble-like	Room 318	None detected	N/A	N/A	N/A	N/A		
115-032	Resilient floor tile and mastic, 12" x 12", white, marble-like	Room 318	Floor tile-none detected (mastic->1% asbestos)	630	SF	Undamaged (nonfriable)	Low		
115-033	Baseboard and mastic	Room 318	None detected	N/A	N/A	N/A	N/A		
115-034	Ceiling panel, 2' x 4', type 3	Hallway by room 217	None detected	N/A	N/A	N/A	N/A		
115-035	Resilient floor tile and mastic, 9" x 9", white with red and black stripes	Room 203	None detected	N/A	N/A	N/A	N/A		
115-036	Resilient floor tile and mastic, 9" x 9", cream with light brown streaks	Room 203	15% Chrysotile	400	SF	Undamaged (nonfriable)	Low		

82 89

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
115-037	Resilient floor tile and mastic, 9" x 9", blue with white stripes	Room 203A	5% Chrysotile	730	SF	Undamaged (nonfriable)	Low		
115-038	Baseboard and mastic, 3" high, brown	Hallway by room 217	None detected	N/A	N/A	N/A	N/A		
115-039/ 12-28-95	Pipe run insulation, 3" OD	Room 203B	20% Amosite	10	LF	Undamaged (friable)	Low	7	Maintain
115-040/ 12-28-95	Pipe run insulation, 3" OD (Same pipe wrap as No. 115-039)	Room 203B	25-35% Amosite 5-10% Chrysotile	10	LF	Undamaged (friable)	Low	7	Maintain
115-041	Ceiling tile mastic	Room 203	None detected	N/A	N/A	N/A	N/A		
115-042	Joint compound	Hallway by room 217	None detected	N/A	N/A	N/A	N/A		
115-043	Carpet mastic, brown	Room 217	None detected	N/A	N/A	N/A	N/A		
115-044/ 12-28-95	Pipe run insulation, 3" OD	Room 227	20-35% Amosite 5-15% Chrysotile	10	LF	Undamaged (friable)	Low	7	Maintain
115-045/ 12-28-95	Pipe run insulation, 4" OD	Room 227	15-30% Amosite 10-20% Chrysotile	10	LF	Undamaged (friable)	Low	7	Maintain
115-046/ 01-04-96	Debris (suspect TSI)	Room 224B	5-10% Amosite 30-40% Chrysotile	2	SF	Significantly damaged (friable)	High	1	Remove
115-047	Joint compound	Room 224B	None detected	N/A	N/A	N/A	N/A		
115-048	Sink undercoat	Room 221	20% Chrysotile	Ref. sample 027		Undamaged (nonfriable)	Low		

82-90

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
115-049	Sink undercoat	Room 221	35-40% Chrysotile	Ref. sample 027		Undamaged (nonfriable)	Low		
115-050	Ceiling panel, 2' x 4', type 3	Hallway by room 221	None detected	N/A	N/A	N/A	N/A		
115-051	Ceiling panel, 2' x 4', type 2	Hallway by room 221	None detected	N/A	N/A	N/A	N/A		
115-052	Resilient floor tile and mastic, 12" x 12", white with tan	Room 226A	2% Chrysotile	580	SF	Undamaged (nonfriable)	Low		
115-053	Resilient floor tile and mastic, 12" x 12", white with tan	Room 226	2-5% Chrysotile (mastic-none detected)	Ref. sample 052		Undamaged (nonfriable)	Low		
115-054/ 01-03-96	Pipe run insulation, 4" OD	Room 226	60% Chrysotile	10	LF	Undamaged (friable)	Moderate	7	Maintain
115-055/ 12-28-95	Pipe run insulation, 4" OD	Room 205	25-35% Amosite 5-15% Chrysotile	10	LF	Slightly Undamaged (friable)	Moderate	5	Patch
115-056/ 12-28-95	Pipe run insulation, 4" OD	Room 205	5-10% Amosite 25-35% Chrysotile	10	LF	Undamaged (friable)	Moderate	7	Maintain
115-057	Baseboard and mastic, 3" high, brow	Room 205	None detected	N/A	N/A	N/A	N/A		
115-058	Joint compound	Hallway by room 215	60% Chrysotile	300	SF	Undamaged (nonfriable)	Low		
115-059/ 01-05-96	Pipe run insulation, 3" OD	Pipe chase by rooms 206 and 206A	60% Chrysotile	10	LF	Significantly damaged (friable)	High	3	Remove

82-91

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
115-060 / 01-05-96	Debris (suspect TSI)	Pipe chase by rooms 206 and 206A	35-40% Amosite	10	SF	Significantly damaged (friable)	High	3	Remove
115-061 / 01-03-96	Pipe run insulation, 4" OD	Room 208	60% Chrysotile	10	LF	Undamaged (friable)	Moderate	7	Maintain
115-062 / 01-03-96	Pipe run insulation, 4" OD	Room 208A	5-10% Amosite 35-45% Chrysotile	10	LF	Undamaged (friable)	Moderate	7	Maintain
115-063 / 01-03-96	Pipe run insulation, 3" OD	Room 208A	20% Chrysotile	4	LF	Undamaged (friable)	Moderate	7	Maintain
115-064 / 01-03-96	Pipe run insulation, 3" OD	Room 208A	5-12% Amosite 30-45% Chrysotile	Ref. sample 063		Undamaged (friable)	Moderate	7	Maintain
115-065	Ceiling panel, 2' x 4', type 3	Room 212	None detected	N/A	N/A	N/A	N/A		
115-066	Ceiling panel, 2' x 4', type 2	Room 212	None detected	N/A	N/A	N/A	N/A		
115-067	Ceiling panel, 2' x 4', type 1	Room 212	None detected	N/A	N/A	N/A	N/A		
115-068	Resilient floor tile and mastic, 9" x 9", grey with white streaks	Room 212	10% Chrysotile	Ref. sample 008		Undamaged (nonfriable)	Low		
115-069	Resilient floor tile and mastic, 9" x 9", grey with white streaks	Room 212	1-5% Chrysotile (mastic->1% asbestos)	Ref. sample 008		Undamaged (nonfriable)	Low		
115-070	Ceiling panel, 2' x 4', type 4	Hallway by room 129	None detected	N/A	N/A	N/A	N/A		
115-071	Resilient floor tile and mastic, 9" x 9", yellow striped	Hallway by room 129	5% Chrysotile	Ref. sample 008		Undamaged (nonfriable)	Low		

82-92

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
115-072	Resilient floor tile and mastic, 9" x 9", cream with light brown streaks	Hallway by room 129	Floor tile-none detects (mastic->1% asbestos)	400	SF	Undamaged (nonfriable)	Low		
115-073	Resilient floor tile and mastic, 9" x 9", white with grey	Hallway by room 129	5% Chrysotile	Ref. sample 008		Undamaged (nonfriable)	Low		
115-074	Resilient floor tile and mastic, 12" x 12", light grey splotches	Hallway by room 129	None detected	N/A	N/A	N/A	N/A		
115-075	Resilient floor tile and mastic, 9" x 9", dark grey with yellow and black	Hallway by room 129	5% Chrysotile	310	SF	Undamaged (nonfriable)	Low		
115-076	Pipe run insulation, 1" OD (hard tape)	Room 101A, on radiator	50-70% Chrysotile	4	LF	Undamaged (nonfriable)	Moderate		
115-077	Resilient floor tile and mastic, 9" x 9", grey with yellow and black stripes	Hallway by room 117B	10-20% Chrysotile (mastic->1% asbestos)	Ref. sample 008		Undamaged (nonfriable)	Low		
115-078	Baseboard and mastic, 3" high, brown	Hallway by room 117B	None detected	N/A	N/A	N/A	N/A		
115-079	Resilient floor tile and mastic, 12" x 12", light grey with splotches	Room 116	None detected	N/A	N/A	N/A	N/A		
115-080	Resilient floor tile and mastic, 12" x 12", light grey with splotches	Room 116	None detected	N/A	N/A	N/A	N/A		
115-081	Baseboard and mastic, 3" high, black	Hallway by room 118	None detected	N/A	N/A	N/A	N/A		

82.93

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
115-082/ 12-28-95	Pipe run insulation, 4" OD	Room 127	25-35% Amosite 10-20% Chrysotile	12	LF	Undamaged (friable)	Moderate	7	Maintain
115-083	Resilient floor tile and mastic, 9" x 9", dark grey w/yellow and black	Room 119	5-12% Chrysotile (mastic->1% asbestos)	Ref. sample 073		Undamaged (nonfriable)	Low		
115-084	Ceiling panel, 2' x 4', type 4	Hallway by room 127	None detected	N/A	N/A	N/A	N/A		
115-085	Resilient floor tile and mastic, 9" x 9", grey with white and black	Room 127	5% Chrysotile	730	SF	Undamaged (nonfriable)	Low		
115-086	Resilient floor tile and mastic, 9" x 9", grey with white and black	Room 127	None detected	N/A	N/A	N/A	N/A		
115-087	Ceiling panel, 2' x 4', type 4	Room 120	None detected	N/A	N/A	N/A	N/A		
115-088	Ceiling panel, 2' x 4', type 1	Hallway by room 121	None detected	N/A	N/A	N/A	N/A		
115-089	Resilient floor tile and mastic, 12" x 12", white with light brown	Room 122A	5% Chrysotile	450	SF	Undamaged (nonfriable)	Low		
115-090	Resilient floor tile and mastic, 12" x 12", white with light brown	Room 122A	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 089		Undamaged (nonfriable)	Low		
115-091	Textured plaster with paint	Hallway by room 122A	None detected	N/A	N/A	N/A	N/A		
115-092	Resilient floor tile and mastic, 9" x 9", cream with light brown streaks.	Room 105	None detected	N/A	N/A	N/A	N/A		
115-093	Resilient floor tile and mastic, 12" x 12", light grey splotches	Room 105	None detected	N/A	N/A	N/A	N/A		

82-94

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
115-094	Resilient sheet flooring and mastic, brown with canvas backing	Room 105 in mechanical room	None detected	N/A	N/A	N/A	N/A		
115-095	Resilient sheet flooring and mastic, brown with canvas backing	Room 105 in mechanical room	None detected	N/A	N/A	N/A	N/A		
115-096	Flexible connector/vibration dampener	Room 105 in mechanical room	None detected	N/A	N/A	N/A	N/A		
115-097 / 12-29-95	Debris (suspect TSI)	Pipe chase by rooms 105 and 106	30-45% Chrysotile	16	SF	Significantly damaged (friable)	High	3	Remove
115-098 / 12-29-95	REMOVED								
115-099 / 12-29-95	Pipe joint insulation, 4" OD (elbow)	Room 106	60% Chrysotile	1	EA	Slightly damaged (friable)	Moderate	5	Patch
115-100 / 12-29-95	Pipe run insulation, 4" OD	Room 106	20-30% Amosite 5-12% Chrysotile	3	LF	Slightly damaged (friable)	Low	5	Patch
115-101 / 12-29-95	Pipe joint insulation, 4" OD (elbow)	Room 106	25-30% Amosite 10-20% Chrysotile	Ref. sample 099		Slightly damaged (friable)	Low	5	Patch
115-102	Resilient floor tile and mastic, 9" x 9", white with copper	Room 107	10% Chrysotile	450	SF	Undamaged (nonfriable)	Low		
115-103	Resilient floor tile and mastic, 9" x 9", white with copper	Room 107	3-8% Chrysotile	Ref. sample 102		Undamaged (nonfriable)	Low		
115-104 / 12-28-95	Pipe run insulation, 4" OD	Room 110B	20-30% Amosite 35-50% Chrysotile	10	LF	Undamaged (friable)	Moderate	7	Maintain

82-95

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
115-105	Resilient floor tile and mastic, 12" x 12", grey with white streaks	Hallway by room 309	None detected	N/A	N/A	N/A	N/A		
115-106	Resilient floor tile and mastic, 12" x 12", white with copper streaks	Room 311	3-8% Chrysotile (mastic->1% asbestos)	1,200	SF	Undamaged (nonfriable)	Low		
115-107	Baseboard and mastic, 3" high, olive	Room 311	None detected	N/A	N/A	N/A	N/A		
115-108	Baseboard and mastic, 3" high, cream	Hallway by room 315	None detected	N/A	N/A	N/A	N/A		
115-109	Resilient floor tile and mastic, 12" x 12", light grey with spots	Room 308	5-15% Chrysotile (mastic-none detected)	25	SF	Undamaged (nonfriable)	Low		
115-110	Asbestos cement (transite) panels in oven	Room 312	40% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
115-111	Asbestos cement (transite) panels in oven	Room 312	20-35% Chrysotile	Ref. sample 110		Undamaged (nonfriable)	Low		
115-112	Resilient floor tile and mastic, 12" x 12", white with olive streaks	Room 312	None detected	N/A	N/A	N/A	N/A		
115-113	Baseboard and mastic, 5" high, brown	Hallway by room 304	None detected	N/A	N/A	N/A	N/A		
115-114	Resilient floor tile and mastic, 9" x 9", blue with white stripes	Room 203	5% Chrysotile	730	SF	Undamaged (nonfriable)	Low		
115-115	Resilient floor tile and mastic, 9" x 9", white w/red and black stripes	Room 203	5% Chrysotile	Ref. sample 114		Undamaged (nonfriable)	Low		
115-116	Roofing composite	Roof, outside room 203	None detected	N/A	N/A	N/A	N/A		

82-96

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
115-117	Roofing composite	Roof, outside room 203	None detected	N/A	N/A	N/A	N/A		
115-118	Penetration mastic	Roof, outside room 203	60% Chrysotile	10	SF	Undamaged (nonfriable)	Low		
115-119	Penetration mastic	Roof, outside room 203	10-20% Chrysotile	Ref. sample 118		Undamaged (nonfriable)	Low		
115-120	Roofing felt and shingles	Roof, outside room 203	10-20% Chrysotile	3,780	SF	Undamaged (nonfriable)	Low		
115-121	Roofing felt and shingles	Roof, outside room 203	5% Chrysotile	Ref. sample 120		Undamaged (nonfriable)	Low		
115-122	Roofing mastic (at flashing)	Roof, outside room 203	40% Chrysotile	150	LF	Undamaged (nonfriable)	Low		
115-123	Roofing mastic (at flashing)	Roof, outside room 203	None detected	N/A	N/A	N/A	N/A		
115-124	Resilient floor tile and mastic, 9" x 9", yellow striped	Hallway by room 129	3-8% Chrysotile (mastic-none detected)	Ref. sample 008		Undamaged (nonfriable)	Low		
115-125	Resilient floor tile and mastic, 9" x 9", white with grey	Hallway by room 129	1-5% Chrysotile (mastic-none detected)	Ref. sample 008		Undamaged (nonfriable)	Low		
115-126	Baseboard and mastic, 3" high, grey	Room 117B	None detected	N/A	N/A	N/A	N/A		
115-127	Baseboard and mastic, 3" high, dark brown	Hallway by Room 117	None detected	N/A	N/A	N/A	N/A		
115-128	Roofing shingles	Upper roof	None detected	N/A	N/A	N/A	N/A		

82-97

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
115-129	Roofing shingle and roofing felt	Upper roof	None detected	N/A	N/A	N/A	N/A		
115-130	Roofing mastic (at flashing)	Upper roof	30% Chrysotile	200	SF	Undamaged (nonfriable)	Low		
115-131	Roofing felt (at flashing)	Upper roof	40% Chrysotile	1,820	SF	Undamaged (nonfriable)	Low		
115-132	Roofing felt (at flashing)	Upper roof	40% Chrysotile	Ref. sample 131		Undamaged (nonfriable)	Low		
115-133	Roofing felt (at flashing)	Upper roof	10-25% Chrysotile	Ref. sample 131		Undamaged (nonfriable)	Low		
115-134/ 01-04-96	Pipe joint insulation, 4" OD (elbow)	Room 316	20% Amosite	3	EA	Undamaged (friable)	Moderate	7	Maintain
115-135/ 01-04-96	Pipe run insulation, 4" OD	Room 316	5% Amosite	20	LF	Undamaged (friable)	Moderate	7	Maintain
115-136	Exterior Stucco	Exterior, exit by room 122A	5% Chrysotile	8,430	SF	Undamaged (nonfriable)	Low		
115-137	Exterior Stucco	North side	5% Chrysotile	Ref. sample 136		Undamaged (nonfriable)	Low		
115-138	Canvas tape	Exterior north mechanical room	None detected	N/A	N/A	N/A	N/A		
115-139	Canvas tape	Exterior north mechanical room	None detected	N/A	N/A	N/A	N/A		
115-140	Exterior Stucco	East side	5-10% Chrysotile	Ref. sample 136		Undamaged (nonfriable)	Low		

82-98

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
115-141	Exterior Stucco	East side	5% Chrysotile	Ref. sample 136		Undamaged (nonfriable)	Low		
115-142/ 01-04-96	Pipe run insulation, 6" OD	Room 207A	20% Amosite	30	LF	Slightly damaged (friable)	Low	6	Patch
115-143/ 01-04-96	Pipe joint insulation, 6" OD (elbow)	Room 207A	20% Amosite	7	EA	Undamaged (friable)	Low	7	Maintain
115-144/ 01-05-96	Debris (suspect TSI)	Pipe basement	65% Chrysotile	7/475	SF	Significantly damaged (friable)	High	3	Remove
115-145/ 01-05-96	Debris (suspect TSI)	Pipe basement	35% Amosite 35% Chrysotile	Ref. sample 144		Significantly damaged (friable)	High	3	Remove
115-146/ 01-04-96	Pipe run insulation, 4" OD	Room 221A	35% Amosite 10% Chrysotile	15	LF	Slightly damaged (friable)	Moderate	5	Patch
115-147	Roofing shingles	Roof, west	None detected	N/A	N/A	N/A	N/A		
115-148	Roofing felt and mastic	Roof, west	None detected	N/A	N/A	N/A	N/A		
115-149	Roofing felt and mastic (2 layers)	Roof, south	None detected	N/A	N/A	N/A	N/A		

NOTES:

- 1) Ref. 115-001 to 005/018/019/039/040/061/100/101. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref 115-001 to 005/016 to 021/023/039/040/044/045/054/055/056/061 to 064/076/082/098 to 101/104. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.

82-99

- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 6) Ref. 115-015/027/030/048/049. Sink Undercoat is typically a black, cream, or grey material found on the underside of many sinks throughout the VA Hospital complex. The black, grey, and some of the cream material has been found to be asbestos positive. The newer material appears to be a white fibrous material which has been found to be asbestos-negative. It is nearly impossible to accurately estimate the number of sinks which have asbestos-containing sink undercoat material without sampling each individual sink in question. Therefore, the number listed in the ACM Quantity column is the number of asbestos-positive sinks in that area.
- 7) Ref. 115-058. Joint compound. Due to the difficulty of locating the joint compound and the various renovation projects performed in the building, it is very difficult to accurately estimate the quantity of asbestos-containing joint compound without sampling each specific area in question. Therefore, only the ACM quantity for the area where the sample was taken is included in Section b. Material and Cost Data.
- 8) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 9) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/ or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.
- 10) In some rooms, several different types of resilient floor tile may be present. In instances where the asbestos-containing RFT comprises the majority of the floor area, all floor tiles have been combined together when calculating the total square footage of materials to be abated. This is as follows:
 9" x 9" cream with light brown streaks RFT includes 9" x 9" grey with yellow and black stripes RFT in room 112; 9" x 9" blue with white stripes RFT includes 9" x 9" white with red and black stripes RFT in room 203 & 203B, includes 9" x 9" cream with light brown streaks RFT in room 203. 9" x 9" grey with yellow and black stripes RFT includes 9" x 9" grey with white streaks RFT in rooms 209 & 212, includes 12" x 12" light grey with spots RFT in room 113, includes 12" x 12" white with olive streaks in room 123, and includes the following: 9" x 9" cream with light brown streaks, 9" x 9" white with blue, 12" x 12" light grey with spots, 9" x 9" white with grey, 12" x 12" white marble-like, 9" x 9" dark grey with yellow and black, and 9" x 9" yellow striped RFT in the hallway, by the elevator, on the first floor. These RFTs have been recently abated, after the sampling was performed.
- 11) Ref. 115-118 to 123/128 to 133/147 to 149. Based on these samples, only asbestos-positive materials have been included in Section b. Material and Cost Data. It appears that only the roofing felt on the north roof and penthouse roof are asbestos-containing. Although the lower roof appears to be similar material, the roofing felt has been determined not to be asbestos-containing. Approximately 5,600 square feet of roofing felt and shingles has been included in Section b. Material and Cost Data.

82-100

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-GLAHS BUILDING 115
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN K. SPIVEY**

November 8, 2002

November 8, 2002
Contract No. V691P-6501 Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
Bldg. 218, Room 328
11301 Wilshire Boulevard
Los Angeles, CA 90073

REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
BUILDING NO 115, VA-GLAHS WEST LA
11301 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073

Environmental Engineering, Inc. on behalf of the United States Department of Veterans Affairs, reinspected the asbestos containing materials (ACM) in Building 115 of the USVA-Greater Los Angeles Healthcare System (GLAHS) in Los Angeles, California. Mr. James Spencer, Mr. Roman Akeh and Dr. Zainul Abedin of Environmental Engineering, Inc. performed the asbestos inspection at the Site on October 24, 2002. Mr. James Spencer (CAC#92-0368) and Mr. Roman Akeh (CAC #93-1176) are California asbestos consultants and Dr. Zainul Abedin is an asbestos building inspector and management planner and an accredited Lead Inspector, Risk Assessor and a Lead Supervisor (I/S-1151) in the State of California.

Environmental Engineering Inc. performed the survey of the site structures to identify, assess, and sample suspect ACM at the Site, and to recommend, if necessary, appropriate response actions upon the findings of the survey. The survey consisted of a walk-through of the accessible areas, visual observation for the presence of potential ACM and sampling of presumed asbestos containing materials, and conditional reassessment of the known ACMs. Flooring, ceiling, carpet mastic, cove base, wall plaster, exterior stucco plaster, sink undercoat, HVAC duct canvas tape, thermal system insulation (TSI) on pipes, elbows, joints, ducts and debris, sprayed-on fireproofing and asphaltic roofing composite, felt, shingles and penetration mastic were formerly sampled and tested. Friable asbestos was found in the following materials throughout the building:

- 1" Φ Pipe & Fitting Insulations
- 3" Φ Pipe & Fitting Insulations
- 4" Φ Pipe & Fitting Insulations
- 6" Φ Pipe & Fitting Insulations
- TSI Debris

Non-friable asbestos was found in the following materials throughout the building:

- 9"X9" Resilient Floor Tile & Mastic
- 12"X12" Resilient Floor Tile & Mastic
- Sink Undercoat
- Joint Compounds
- Transite Panels
- Exterior Stucco Plaster
- Asphaltic Roofing Felt, Shingles & Mastic

Some of these known asbestos containing materials were removed from the Building 115 since 1996. These abated materials are summarized in Table 1.

The conditions of the remaining asbestos-containing materials were visually observed and re-assessed for management response actions. Based on the findings of this reinspection, most TSI materials remained undamaged except in room 206 pipe chase while TSI debris were observed in room 106 and 206 pipe chases, and in room 224B. Friable pipe insulations and debris in room 106 and 206 pipe chases and in room 224B were significantly damaged that require immediate action and/or removal. In addition, stucco ceiling debris were observed and sampled above 2'x4' ceiling panels in Room 105, 203B and 206 during this inspection. Based on the laboratory results, no asbestos was found. The results of this survey are summarized in Table 2 with recommended management response actions.

Environmental Engineering, Inc. conducted the asbestos inspection in accessible areas of the Site. Other conditions may exist in inaccessible areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. This survey was performed in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature. If you have any questions concerning the methodology or the results of this survey, please contact us at (818) 547-1330.

Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,



Zainul Abedin, PhD, REA
Project Manager

Table 1 : Asbestos Abatement in Building 115

Date	Asbestos Containing Materials	Locations/Rooms	Quantity
09/16/02	Pipe & Elbow Insulations	First Floor Restroom	41 lft
	Resilient Floor Tiles & Mastic	109 and 114	
09/11/02	Resilient Floor Tiles & Mastic	118	40 ft ²
05/02/02	Resilient Floor Tiles & Mastic	113 b	80 ft ²
03/27/02	Pipe & Elbow Insulations & Debris	314 and Attic	60 lft
01/23/01	Pipe & Elbow Insulations	322A	15 lft
11/08/00	Resilient Floor Tile & Mastic	325	250 ft ²
4 th /Qtr/99	Resilient Floor Tile & Mastic	129 and 129B	25 ft ²
2 nd /Qtr /99	Resilient Floor Tile & Mastic	102	
	Pipe & Elbow Insulations	302	
1 st /Qtr/ 99	Resilient Floor Tile & Mastic	129B	2200 ft ²
Others	9"x9" Floor Tiles & Mastic	107	
	Pipe & Fitting Insulations	106, 205, Basement Attic	
	TSI Debris	305 & 306 Pipe Chase	
	Sink Undercoat	313	

* Note : 1. Remove Asbestos Sign from 306 and 306B Pipe Chase

**Table 2 : BUILDING 115, VA-GLAHS
ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 10/24/02

Materials	Location/Rooms	ACM Condition	Friability	Potential Exposure	Priority	Response
1" @ Pipe & Fitting Insulations	101A, 308	Undamaged	Yes	Low	7	Maintain
3" @ Pipe & Fitting Insulations	Mech. Attic, 203B, 206A, 227, 308 208 & 208B Pipe Chases	Undamaged	Yes	Low	7	Maintain
4" @ Pipe & Fitting Insulations	Mech. Attic, 106, 110B, 127, 208, 206A, 221A, 228, 227, 308, 316	Significantly Damaged	Yes	Low	2	Remove
6" @ Pipe & Fitting Insulations	207A	Undamaged	Yes	Low	7	Maintain
TSI Debris	106 & 208 Pipe Chase, 224B	Undamaged	Yes	Low	7	Maintain
		Significantly Damaged	Yes	High	2	Remove
9"x9" Floor Tile Mastic	117B Hall, 119, 127, 129, Elevator Lobby, 203, 203A, 212, 305, 309, 313, 320	Undamaged	No	Low	7	Maintain
12"x12" Floor Tile Mastic	122A, 228, 228A, 308, 311 Hall & Stairwell, 312, 316	Undamaged	No	High	7	Maintain
Sink Undercoat	221, 312, 313	Undamaged	No	High	7	Maintain
Joint Compounds	215 Hall	Undamaged	No	High	7	Maintain
Transite Panels	312 Oven	Undamaged	No	High	7	Maintain
Exterior Stucco Plaster	All Sides	Undamaged	No	Low	7	Maintain
Roofing Felt & Mastic	Upper Roof & by 203	Undamaged	No	Low	7	Maintain

- Notes :
1. Debris above 105, 203B & 206 ceiling tested none detect
 2. 9"x9" Floor Tiles : 4 damaged by north entrance, 3 damaged by 2nd door from north entrance,
4 missing by south stairwell, 2 damaged in 105, 1 damaged in 203A & by 109.
 3. 12"x12" Floor Tiles : 3 damaged in 113

82-104

Bulk Sample Summary

Survey Date	Sample Number	Materials Description	Material Locations	Laboratory Results	ACM Quantity	Unit	Condition	Exposure	Potential	Priority	Response
10/24/02	02-10BUA115-01	Stucco Ceiling Debris	Ladies Restroom 105	None Detected	-	-	-	-	-	-	-
10/24/02	02-11BUA115-02	Stucco Ceiling Debris	Ladies Restroom 203B	None Detected	-	-	-	-	-	-	-
10/24/02	02-11BUA115-03	Stucco Ceiling Debris	Ladies Restroom 206	None Detected	-	-	-	-	-	-	-

82-105

REPORT NO: 52800 CLIENT: ENVIRONMENTAL ENGINEERING
 715 N. CENTRAL AVE., STE. 212
 GLENDALE, CA 91203
 DATE: Nov 1, 2002
 DATE RECEIVED: Oct 25, 2002 ATTENTION: DR. ZAINUL ABEDIN
 DATE ANALYZED: Nov 1, 2002 REFERENCE: BLDG. 115
 DATE / TIME COLLECTED: 10/24/02 BY JAMES
 SUBJECT: Polarized Light Microscopy Analysis for Asbestos; 3 Samples
 METHODOLOGY: "Method for Determination of Asbestos in Bulk Building Materials."
 EPA 800/R-93/116
 ACCREDITED: National Institute of Standards and Technology (NVLAP) #101218
 CERTIFIED: California Department of Health Services Environmental Testing Laboratory ELAP 1119,
 County Sanitation Districts of Los Angeles County, Laboratory Identification No. 10120

QUALITY CONTROL SAMPLE (SRM 1866 GLASS FIBERS AS THE BLANK): NONE DETECTED

SAMPLE ID NUMBER	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS MATERIALS	NON-FIBROUS MATERIALS
02-10BUA115-01	NON-FRIABLE	BEIGE GRANULAR	NONE DETECTED	CELLULOSE - LESS THAN 1%	GRANULAR MINERALS OPAQUES
02-10BUA115-02	NON-FRIABLE	BEIGE GRANULAR	NONE DETECTED	CELLULOSE - LESS THAN 1%	GRANULAR MINERALS OPAQUES
02-10BUA115-03	NON-FRIABLE	BEIGE GRANULAR	NONE DETECTED	CELLULOSE - LESS THAN 1%	GRANULAR MINERALS OPAQUES

C. J. ...
Optical Microscopist
B.M.K.

B.M. Kolk
B.M. Kolk, Laboratory Director

The EPA method is a semi-quantitative procedure. The detection limit is between 1/10 to 1 percent by area and is dependent upon the size of the analyzed fibers, the means of sampling and the matrix of the sampled material.

The test results reported are for the sample or samples delivered to us and may not represent the entire material from which the sample was taken. The EPA recommends these samples or more be taken of a "homogeneous sampling area" before friable material is considered to be asbestos-containing.

The report from a CMS accredited laboratory through NVLAP may not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.

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Asbestos fibers (samples) may contain significant amounts (1%) of very fine asbestos fibers which cannot be detected by PLM (estimated by XRF). Detection of TBM is recommended by EPA Federal Register 296, 59, 60, 110.

82-106

SUBMITTAL FORM

TURNAROUND TIME: STD 48 HR. 24 HR.
 < 8 HR. WKND OTHER:

REINQUISHED BY: _____
 DATE: _____

CLIENT ADDRESS _____
 TELEPHONE _____
 CONTACT _____

DATE OF SHIPMENT _____
 CLIENT NO. NO. _____
 CLIENT ORGANIZATION(S) _____
 PACKAGE SHIPPED FROM _____

RESULTS REQUESTED VIA VERBAL FAX CLIENT FAX NO. _____

DATE/TIME OF SAMPLE COLLECTION _____
 SAMPLE PRESERVATIVES _____
 NO. OF SAMPLES SENT _____ SAMPLE BAGS NAME _____
 TYPE OF WATER WASTE WATER SOIL FILTER SORBENT TUBE PUMPING OTHER _____

(FOR EMS ONLY)
 EMS Sample No. _____

VOLUME _____
 TIME WEIGHT _____

CLIENT SAMPLE NO.	DESCRIPTION	LOCATION	ANALYSIS	VOLUME	TIME WEIGHT
82600					

FOR EMS ONLY (SF 5/00)

Laboratory No. _____
 Date of Package Delivery 10-25-02
 Condition of Package on Receipt Good
 No. of Samples 3
 Date of Acceptance into Sample Bank 10-25-02
 Disposition of Samples EMS LABS

Received By _____ Time 7:00 pm
 Shipping Bill Retained YES NONE
 Condition of Custody Seal None
 Chain-of-Custody Signature _____
 Misc. Info. 82-101

c. Sampling Records

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
BUILDING 116									
116-001	Pipe run insulation, 4" OD	Room 101	40% Chrysotile 20% Crocidolite	12	LF	Undamaged (friable)	Low		
116-002	Pipe joint insulation, 4" OD (elbow)	Room 101	20% Amosite 20% Chrysotile	2	EA	Undamaged (friable)	Low		
116-003	Pipe run insulation, 3" OD	Room 101	10% Amosite	12	LF	Undamaged (friable)	Low		
116-004	Pipe run insulation, 4" OD	Room 101	30-40% Amosite 5-15% Chrysotile	12	LF	Undamaged (friable)	Low		
116-005	Pipe joint insulation, 4" OD (elbow)	Room 101	35-40% Amosite 5-10% Chrysotile	2	EA	Undamaged (friable)	Low		
116-006	Pipe run insulation, 3" OD	Room 101	20-35% Amosite 15-20% Chrysotile	12	LF	Undamaged (friable)	Low		
116-007	Resilient floor tile and mastic, 9" x 9", white with red and black streaks	Hallway by room 102	15% Chrysotile (mastic-none detected)	3,460	SF	Undamaged (nonfriable)	Low		
116-008	Resilient floor tile and mastic, 9" x 9", dark red	Hallway by room 102	15% Chrysotile (mastic-none detected)	6,750	SF	Undamaged (nonfriable)	Low		
116-009	Resilient floor tile and mastic, 9" x 9", beige with white and dark brown streaks	Room 102	10% Chrysotile (mastic-none detected)	34,200	SF	Undamaged (nonfriable)	Low		

82-108

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
116-010	Resilient floor tile and mastic, 9" x 9", beige with white and dark brown streaks	Room 103	2-8% Chrysotile (mastic->1% asbestos)	Ref. sample 009		Undamaged (nonfriable)	Low		
116-011	Resilient floor tile and mastic, 9" x 9", beige with white and dark brown streaks	Room 105	3-6% Chrysotile (mastic->1% asbestos)	Ref. sample 009		Undamaged (nonfriable)	Low		
116-012	Resilient floor tile and mastic, 9" x 9", white with red and black streaks	Hallway by room 105	1-5% Chrysotile (mastic->1% asbestos)	Ref. sample 007		Undamaged (nonfriable)	Low		
116-013	Resilient floor tile and mastic, 9" x 9", dark red	Hallway by room 105	5-10% Chrysotile (mastic->1% asbestos)	Ref. sample 008		Undamaged (nonfriable)	Low		
116-014	Pipe run insulation, 4" OD	Restroom, room 106	40-50% Amosite 5-15% Chrysotile	12	LF	Undamaged (friable)	Low		
116-015	Pipe run insulation, 3" OD	Restroom, room 106	10-25% Amosite 20-35% Chrysotile	12	LF	Undamaged (friable)	Low		
116-016	Pipe joint insulation, 3" OD (elbow)	Restroom, room 106	10% Amosite	3	EA	Undamaged (friable)	Low		
116-017	Pipe run insulation, 3" OD	Restroom, room 106	30% Chrysotile	Ref. sample 015		Undamaged (friable)	Low		
116-018	Resilient floor tile and mastic, 9" x 9", beige with white and dark brown streaks	Room 108	5-12% Chrysotile (mastic->1% asbestos)	Ref. sample 009		Undamaged (nonfriable)	Low		

82-109

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
116-019	Mastic material (observed with leveling compound)	Room 108	10% Chrysotile	1,680	SF	Undamaged (nonfriable)	Low		
116-020	Mastic material	Room 109	2% Chrysotile	Ref. sample 019		Undamaged (nonfriable)	Low		
116-021	Resilient floor tile and mastic, 9" x 9", dark brown	Room 109	20% Chrysotile (mastic-none detected)	Ref. sample 008		Undamaged (nonfriable)	Low		
116-022	Resilient floor tile and mastic, 9" x 9", dark brown	Room 109	None detected	N/A	N/A	N/A	N/A		
116-023	Mastic material	Room 109	2% Chrysotile	Ref. sample 019		Undamaged (nonfriable)	Low		
116-024	Resilient floor tile and mastic, 9" x 9", dark brown	Room 109	None detected	N/A	N/A	N/A	N/A		
116-025	Resilient floor tile and mastic, 12" x 12", black	Hallway by room 110 and elevators	None detected	N/A	N/A	N/A	N/A		
116-026	Resilient floor tile and mastic, 12" x 12", white	Hallway by room 110 and elevators	None detected	N/A	N/A	N/A	N/A		
116-027	Resilient floor tile and mastic, 12" x 12", black	Hallway by room 110 and elevators	None detected	N/A	N/A	N/A	N/A		
116-028	Resilient floor tile and mastic, 12" x 12", white	Hallway by room 110 and elevators	None detected	N/A	N/A	N/A	N/A		
116-029	Resilient floor tile and mastic, 9" x 9", dark red	Room 112	10-20% Chrysotile (mastic->1% asbestos)	Ref. sample 008		Damaged (nonfriable)	Moderate		

82-110

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
116-030	Pipe run insulation, 3" OD	Room 112	25-40% Chrysotile	3	LF	Undamaged (friable)	Low		
116-031	Pipe joint insulation, 3" OD (elbow)	Room 112	5% Amosite	3	EA	Undamaged (friable)	Low		
116-032	Resilient floor tile and mastic, 9" x 9", light brown with cream and dark brown streaks	Room 110	5% Chrysotile (mastic-none detected)	Ref. sample 009		Undamaged (nonfriable)	Low		
116-033	Resilient floor tile and mastic, 9" x 9", light brown with cream and dark brown streaks	Room 110	3-10% Chrysotile (mastic->1% asbestos)	Ref. sample 009		Undamaged (nonfriable)	Low		
116-034	Resilient floor tile and mastic, 9" x 9", dark brown	Room 116	None detected	N/A	N/A	N/A	N/A		
116-035	Resilient floor tile and mastic, 9" x 9", aqua and pink	Hallway by room 120	20% Chrysotile (mastic-none detected)	Ref. sample 007		Damaged (nonfriable)	Low		
116-036	Resilient floor tile and mastic, 9" x 9", aqua and pink	Hallway by room 119	5-18% Chrysotile (mastic->1% asbestos)	Ref. sample 007		Damaged (nonfriable)	Low		
116-037	Resilient floor tile and mastic, 9" x 9", dark brown	Hallway by room 110	5-12% Chrysotile (mastic->1% asbestos)	Ref. sample 008		Damaged (nonfriable)	Low		
116-038	Resilient floor tile and mastic, 9" x 9", dark red	Room 121	10-15% Chrysotile (mastic->1% asbestos)	Ref. sample 008		Damaged (nonfriable)	Low		
116-039	Resilient floor tile and mastic, 9" x 9", dark brown	Room 121	None detected (mastic->1% asbestos)	Ref. sample 008		Damaged (nonfriable)	Low		

82-111

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
116-040	Pipe run insulation, 3" OD	Pipe chase by room 119	5-10% Amosite 30-45% Chrysotile	40	LF	Damaged (friable)	High		
116-041	Pipe run insulation, 4" OD	Restroom, room 124	40% Chrysotile	6	LF	Undamaged (friable)	Low		
116-042	Pipe run insulation, 4" OD	Restroom, room 124	25-40% Amosite 5-12% Chrysotile	12	LF	Undamaged (friable)	Low		
116-043	Pipe run insulation, 3" OD	Restroom, room 124	30-40% Amosite 5-10% Chrysotile	12	LF	Undamaged (friable)	Low		
116-044	Baseboard and mastic, 3" high, dark brown	Room 125A	None detected	N/A	N/A	N/A	N/A		
116-045	Baseboard and mastic, 3" high, dark brown	Room 125	None detected	N/A	N/A	N/A	N/A		
116-046	Resilient floor tile and mastic, 9" x 9", aqua and pink	Hallway by room 128	10-20% Chrysotile (maastic->1% asbestos)	Ref. sample 007		Damaged (nonfriable)	Low		
116-047	Pipe run insulation, 4" OD	Room 129	25-30% Amosite 5-15% Chrysotile	12	LF	Damaged (friable)	High		
116-048	Pipe joint insulation, 3" OD (elbow)	Room 129	15-30% Amosite 15-20% Chrysotile	4	EA	Damaged (friable)	High		
116-049	Pipe run insulation, 3" OD	Room 129	30-40% Amosite 10-20% Chrysotile	12	LF	Damaged (friable)	High		
116-050	Pipe run insulation, 3" OD	Room 129D	10% Amosite	12	LF	Damaged (friable)	High		

82-112

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
116-051	Pipe joint insulation, 3" OD (elbow)	Room 129D	30-40% Amosite 10-20% Chrysotile	4	EA	Damaged (friable)	High		
116-052	Pipe run insulation, 3" OD	Room 129C	20-30% Amosite 15-25% Chrysotile	3	LF	Undamaged (friable)	Low		
116-053	Plaster composite	Room 201	None detected	N/A	N/A	N/A	N/A		
116-054	Pipe run insulation, 4" OD	Room 201	15-20% Amosite 10-20% Chrysotile	12	LF	Undamaged (friable)	Low		
116-055	Pipe joint insulation, 3" OD (elbow)	Room 201	20-30% Amosite 10-20% Chrysotile	4	EA	Undamaged (friable)	Low		
116-056	Pipe run insulation, 3" OD	Room 201	20-30% Amosite 15-25% Chrysotile	12	LF	Undamaged (friable)	Low		
116-057	Pipe run insulation, 4" OD	Room 201	30-45% Amosite 10-20% Chrysotile	12	LF	Undamaged (friable)	Low		
116-058	Pipe run insulation, 3" OD	Room 201	25-35% Amosite 15-30% Chrysotile	4	EA	Damaged (friable)	High		
116-059	Resilient floor tile and mastic, 9" x 9" light brown with cream and dark brown streaks	Room 201	7-12% Amosite (mastic->1% asbestos)	Ref. sample 009		Undamaged (nonfriable)	Low		
116-060	VOID	VOID	VOID	VOID		VOID	VOID		
116-061	Resilient floor tile and mastic, 12" x 12", white	Hallway by room 203	None detected	N/A	N/A	N/A	N/A		

82-113

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
116-062	Pipe run insulation, 3' OD	Room 203	40-50% Amosite 5-15% Chrysotile	10	LF	Undamaged (friable)	Low		
116-063	VOID	VOID	VOID	VOID		VOID	VOID		
116-064	Pipe run insulation, 4' OD	Room 203	30-45% Amosite 10-20% Chrysotile	10	LF	Undamaged (friable)	Low		
116-065	Pipe joint insulation, 3' OD (elbow)	Room 203	25-30% Amosite 10-20% Chrysotile	2	EA	Undamaged (friable)	Low		
116-066	Pipe run insulation, 3' OD	Room 205	25-35% Amosite 10-25% Chrysotile	10	LF	Undamaged (friable)	Low		
116-067	Pipe run insulation, 4' OD	Room 205	20-30% Amosite 5-10% Chrysotile	10	LF	Undamaged (friable)	Low		
116-068	Pipe joint insulation, 4' OD (elbow)	Room 205	35-40% Amosite 5-10% Chrysotile	2	EA	Undamaged (friable)	Low		
116-069	Pipe run insulation, 3' OD	Room 206	35-50% Amosite 10-20% Chrysotile	10	LF	Undamaged (friable)	Low		
116-070	Pipe run insulation, 4' OD	Room 206	20-30% Amosite 10-25% Chrysotile	10	LF	Undamaged (friable)	Low		
116-071	Pipe joint insulation, 4' OD (fitting)	Room 206	35-40% Amosite 10-25% Chrysotile	1	EA	Undamaged (friable)	Low		
116-072	Pipe run insulation, 3' OD	Room 208	20% Amosite	10	LF	Undamaged (friable)	Low		

82-114

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
116-073	Pipe run insulation, 4" OD	Room 208	60% Chrysotile	14	LF	Undamaged (friable)	Low		
116-074	Pipe joint insulation, 4" OD (45° elbow)	Room 208	10% Amosite	2	EA	Undamaged (friable)	Low		
116-075	Pipe run insulation, 3" OD	Room 210	40-50% Amosite 10-20% Chrysotile	10	LF	Significantly damaged (friable)	High		
116-076	Plaster composite, ceiling	Room 217	None detected	N/A	N/A	N/A	N/A		
116-077	Pipe joint insulation, 4" OD (fitting)	Room 217	5-15% Amosite 30-45% Chrysotile	1	EA	Undamaged (friable)	Low		
116-078	Pipe run insulation, 4" OD	Room 217	40-55% Amosite 10-25% Chrysotile	10	LF	Undamaged (friable)	Low		
116-079	Plaster composite	Room 324	None detected	N/A	N/A	N/A	N/A		
116-080	Debris (suspect TSI)	Pipe chase by room 319	1-5% Amosite 25-40% Chrysotile	15	SF	Significantly damaged (friable)	High		
116-081	Pipe run insulation, 4" OD	Pipe chase by room 319	3-8% Amosite 35-50% Chrysotile	10	LF	Significantly damaged (friable)	High		
116-082	Pipe run insulation, 3" OD	Pipe chase by room 306	1-5% Amosite 40-50% Chrysotile	10	LF	Significantly damaged (friable)	High		
116-083	Pipe joint insulation, 3" OD (elbow)	Pipe chase by room 306	1-5% Amosite 25-40% Chrysotile	1	EA	Significantly damaged (friable)	High		

82-115

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
116-084	Pipe run insulation, 5" OD	Basement, crawl space	10% Amosite 10% Chrysotile	75	LF	Undamaged (friable)	Low		
116-085	Pipe joint insulation, 3" OD (elbow)	Basement, crawl space	10% Amosite 10% Chrysotile	2	EA	Undamaged (friable)	Low		
116-086	Pipe run insulation, 3" OD	Basement, crawl space	10% Amosite 10% Chrysotile	20	LF	Undamaged (friable)	Low		
116-087	Pipe run insulation, 3" OD	Basement, crawl space	10% Chrysotile	25	LF	Undamaged (friable)	Low		
116-088	Pipe run insulation, 5" OD	Basement, crawl space	35% Chrysotile	25	LF	Undamaged (friable)	Low		
116-089	Pipe run insulation, 3" OD	Basement, crawl space	None detected	N/A	N/A	N/A	N/A		
116-090	Debris (Suspect TSI)	Basement, crawl space	10% Amosite 10% Chrysotile	25	SF	Significantly damaged (friable)	High		
116-091	Pipe joint insulation, 5" OD (elbow)	Basement, crawl space	10% Amosite 10% Chrysotile	3	EA	Undamaged (friable)	Low		
116-092	Pipe run insulation, 4" OD	Basement, crawl space	10% Amosite 10% Chrysotile	50	LF	Undamaged (friable)	Low		
116-093	Pipe run insulation, 4" OD	Basement, crawl space	60% Chrysotile	50	LF	Undamaged (friable)	Low		
116-094	Debris (Suspect TSI)	Basement, crawl space	15% Amosite 15% Chrysotile	5	SF	Significantly damaged (friable)	High		

82-116

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	ACM Condition Unit and Friability	Potential Exposure	Priority	Response
116-095	Roof composite	South roof	None detected	N/A	N/A N/A	N/A		
116-096	Roofing mastic (on top of roofing cap sheet)	South roof	None detected	N/A	N/A N/A	N/A		
116-097	Penetration mastic	South roof	30% Chrysotile	5	SF Undamaged (nonfriable)	Low		
116-098	Roof composite	North roof	None detected	N/A	N/A N/A	N/A		
116-099	Resilient sheet flooring, black	Ground floor, hallway by elevator	None detected	N/A	N/A N/A	N/A		
116-100	Resilient sheet flooring, black	Ground floor, hallway by elevator	None detected	N/A	N/A N/A	N/A		
116-101	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A N/A	N/A		
116-102	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A N/A	N/A		

82-107

OTES:

- 1) Ref. 116-040/047 to 051/058. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref. 116-001 to 006/014 to 017/030/031/040 to 043/047 to 052/054 to 058/064 to 075/077/078/081 to 088/091/092. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber, or cork, or if further sampling results show non-detection for asbestos.
- 6) In some rooms several different types of resilient floor tile may be present. In instances where the asbestos-containing RFT comprises the majority of the floor area, all floor tiles have been combined together when calculating the total square footage of materials to be abated. This is as follows: 9" x 9" white with red and black streaks includes 9" x 9" blue with white and pink streaks RFT throughout; 9" x 9" dark red RFT includes 9" x 9" dark brown RFT throughout; and 9" x 9" grey with brown streaks RFT includes 9" x 9" light brown with cream and dark brown streaks throughout. Also, reference samples 116-019/020/023. The mastic material found under carpeting in rooms 108 and 109 has been included with the 9" x 9" beige with white and dark brown streaks RFT.
- 7) Ref. 116-60/63. Due to misplacement or duplications, some samples have been voided.
- 8) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc.
- 9) The potential exposure designation for ACMs is based on the vacancy conditions found in the building at the time of the initial asbestos survey; the surveyed building was vacant at the time of the asbestos survey. Once the use of the surveyed area changes, the potential for damage should be reassessed and appropriate management procedures implemented.

c. Sampling Records

BUILDING 117

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
117-001	Baseboard and mastic, 3" high, brown	Hallway adjacent to room 21	None detected	N/A	N/A	N/A	N/A		
117-002	Sink undercoat	Room 20	60% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
117-003	Ceiling panel, 2' x 4', type 2	Room 20	None detected	N/A	N/A	N/A	N/A		
117-004	Ceiling panel, 2' x 4', type 1	Hallway adjacent to room 21	None detected	N/A	N/A	N/A	N/A		
117-005	Plaster composite	Hallway adjacent to room 14	None detected	N/A	N/A	N/A	N/A		
117-006	Textured paint and plaster	West hallway near refrigeration units	None detected	N/A	N/A	N/A	N/A		
117-007 / 01-11-96	Pipe run insulation, 2" OD	Room 15	10% Chrysotile	1	SF	Damaged (friable)	High	2	Cap Ends
117-008 / 01-11-96	Pipe run insulation (cork and mastic)	Room 15	15-20% Chrysotile	1	SF	Damaged (friable)	High	2	Cap Ends
117-009	Ceiling panel, 2' x 4', type 3	North hallway	None detected	N/A	N/A	N/A	N/A		
117-010	Ceiling panel, 2' x 4', type 4	North hallway	None detected	N/A	N/A	N/A	N/A		
117-011	Resilient floor tile and mastic, 9" x 9", grey	Hallway by room 12	10% Chrysotile	520	SF	Undamaged (nonfriable)	Low		

NOTE:

Ref. 117-007/008. Linear pipe insulation was removed, but some remains in wall penetration in west wall at northwest corner.

82-119

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
117-012	Resilient floor tile and mastic, 12" x 12", white with red and green specks	Room 12, locker room	2% Chrysotile (mastic->1% asbestos)	160	SF	Undamaged (nonfriable)	Low		
117-013	Resilient floor tile and mastic, 12" x 12", white with red and green specks	Room 12, locker room	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 013		Undamaged (nonfriable)	Low		
117-014/ 01-09-96	Debris (suspect TSI) (very small amount)	Room 12, restroom	10% Amosite 10% Chrysotile	4	SF	Significantly damaged (friable)	High	1	Remove
117-015/ 01-09-96	Pipe run insulation, 3" OD	Room 12, restroom	30-40% Amosite 5-10% Chrysotile	2	LF	Damaged (friable)	High	2	Patch & Cap ends
117-016	Resilient floor tile and mastic, 9" x 9", dark red	Janitor's closet	10% Chrysotile	410	SF	Undamaged (nonfriable)	Low		
117-017/ 01-09-96	REMOVED	-	-	-	-	-	-	-	-
117-018/ 01-09-96	REMOVED	-	-	-	-	-	-	-	-
117-019	Sink undercoat	Room 1	15-30% Chrysotile	1	EA	Undamaged (friable)	Low		
117-020	Baseboard and mastic, 3" high, olive	Room 1	None detected	N/A	N/A	N/A	N/A		
117-021	Ceiling panel, 2' x 4', type 1	North hallway	None detected	N/A	N/A	N/A	N/A		
117-022	Ceiling panel, 2' x 4', type 2	North hallway	None detected	N/A	N/A	N/A	N/A		

82-120

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
117-023	Ceiling panel, 2' x 4', type 3	North hallway	None detected	N/A	N/A	N/A	N/A		
117-024	Baseboard and mastic, 3" high, brown	South hallway	None detected	N/A	N/A	N/A	N/A		
117-025	Resilient floor tile and mastic, 9" x 9", gray	South hallway	8-15% Chrysotile (mastic -> 1% asbestos)	Ref. sample 011		Undamaged (nonfriable)	Low		
117-026	Resilient floor tile and mastic, 9" x 9", dark red	Room 7	10-15% Chrysotile (mastic -> 1% asbestos)	Ref. sample 016		Undamaged (friable)	Low		
117-027	Ceiling panel, 2' x 4', type 2	Room 10	None detected	N/A	N/A	N/A	N/A		
117-028	Resilient floor tile and mastic, 12" x 12", white with brown streaks	Room 8	None detected	N/A	N/A	N/A	N/A		
117-029	Resilient floor tile and mastic, 12" x 12", white with brown streaks	Room 8	None detected	N/A	N/A	N/A	N/A		
117-030	Ceiling panel, 2' x 4', type 4	North hallway	None detected	N/A	N/A	N/A	N/A		
117-031	Roofing cap sheet and felt	Exterior east ramp	None detected	N/A	N/A	N/A	N/A		
117-032	Roofing cap sheet and felt	Exterior east ramp	None detected	N/A	N/A	N/A	N/A		
117-033	Roofing composite	Upper roof north	None detected	N/A	N/A	N/A	N/A		
117-034	Roofing mastic (at flashing)	Upper roof, west	20% Chrysotile	245	SF	Undamaged (nonfriable)	Low		
117-035	Penetration mastic	Upper roof,	10% Chrysotile	70	SF	Undamaged (nonfriable)	Low		

ACM floor tiles & mastic removed in April 1999.

82-121

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
117-036	Penetration mastic	Upper roof, west	15-20% Chrysotile	Ref. sample 035	035	Undamaged (nonfriable)	Low		
117-037	Penetration mastic	Upper roof, east	10-25% Chrysotile	Ref. sample 035	035	Undamaged (nonfriable)	Low		
117-038	Roofing mastic (at flashing)	Lower roof, east	40-55% Chrysotile	360	SF	Undamaged (nonfriable)	Low		
117-039	Roofing composite	Lower roof, east	None detected	N/A	N/A	N/A	N/A		
117-040	Pipe run insulation, 4" OD	Basement, mechanical room	None detected	N/A	N/A	N/A	N/A		
117-041	Pipe run insulation, 4" OD	Basement, mechanical room	None detected	N/A	N/A	N/A	N/A		
117-042/ 01-09-96	REMOVED								
117-043	Roofing cap sheet	Roof between buildings 117 and 115	40% Chrysotile	2,000	SF	Undamaged (nonfriable)	Low		
117-044	Roofing cap sheet	Roof between buildings 117 and 115	40% Chrysotile	Ref. sample 043	043	Undamaged (nonfriable)	Low		
117-045	Roofing cap sheet	Roof between buildings 117 and 115	40-50% Chrysotile	Ref. sample 043	043	Undamaged (nonfriable)	Low		

82-122

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
117-046	Roofing composite	Roof between buildings 117 and 115	None detected	N/A	N/A	N/A	N/A		
117-047 / 01-09-96	Debris (suspect TSI)	Basement	20% Amosite	5,410	SF	Significantly damaged (friable)	High	3	Remove
117-048 / 01-09-96	Debris (suspect TSI)	Basement	35% Amosite	Ref. sample 047		Significantly damaged (friable)	High	3	Remove

NOTES:

- 1) Ref. 117-007/008/015. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref. 117-007/008/015. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.

82-123

- 6) Ref. 117-002/019. Sink Undercoat is typically a black, cream, or gray material found on the underside of many sinks located throughout the VA Hospital complex. The black, gray, and some of the cream material has been found to be asbestos-positive. The newer material appears to be a white fibrous material which has been found to be asbestos-negative. It is nearly impossible to accurately estimate the number of sinks which have asbestos-containing sink undercoat material without sampling each individual sink in question. Therefore, the number listed in the ACM Quantity column is the number of sinks in that area.
- 7) Ref. 117-017/018/042. Suspect TSI debris samples were originally taken in the basement. On a quality control visit to the area no debris was found in this area. The area appears to have recently been flooded and the debris has either been washed away or mixed in with the dirt that remains on the concrete floor. Debris from a 6"OD pipe can be seen at the far west corner of the basement. The ACM Quantity listed includes the square feet of the basement area.
- 8) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 9) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.

c. Sampling Records

Sample No. / Date Verified	Material Description	Material Location	BUILDING 156			ACM Condition and Friability	Potential Exposure	Priority	Response
			Laboratory Results For Asbestos Content	ACM Quantity	Unit				
156-001	Resilient floor tile, 12" x 12", white with light grey spots	Room 144	15% Chrysotile (maastic-none detected)	15,400	SF	Undamaged (nonfriable)	Low		
156-002	Resilient floor tile, 12" x 12", white with light grey spots	Room 146	3-8% Chrysotile (maastic->1% asbestos)	Ref. sample 001		Undamaged (nonfriable)	Low		
156-003	Baseboard, 5" high, tan	Room 144	None detected	N/A	N/A	N/A	N/A		
156-004	Baseboard, 5" high, tan	Room 146	None detected	N/A	N/A	N/A	N/A		
156-005	Flooring overlay	North stairwell Room 146A	None detected	N/A	N/A	N/A	N/A		
156-006	Plaster composite	Hall by room 143	None detected	N/A	N/A	N/A	N/A		
156-007	Resilient floor tile and maastic, 12" x 12", white with beige streaks	Hallway by room 132	2-7% Chrysotile (maastic->1% asbestos)	120	SF	Undamaged (nonfriable)	Low		
156-008	Resilient floor tile and maastic, 9" x 9", black	Room 142	15-20% Chrysotile (maastic->1% asbestos)	Ref. sample 001		Undamaged (nonfriable)	Low		
156-009	Resilient floor tile and maastic, 9" x 9", black	Room 142	15% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
156-010	Resilient floor tile and maastic, 12" x 12", white with beige streaks	Hallway by room 134	10% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
156-011	Panel maastic	Hall by room 133	None detected	N/A	N/A	N/A	N/A		
156-012	Panel maastic	Hall by room 133	None detected	N/A	N/A	N/A	N/A		

82-125

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
156-013	Ceiling panel, 2' x 4', type 1	Room 131	2% Amosite	365	SF	Significantly damaged (nonfriable)	Moderate		
156-014	Ceiling panel, 2' x 4', type 1	Room 131	15-20% Amosite	Ref. sample 013		Significantly damaged (nonfriable)	Moderate		
156-015	Ceiling tile mastic	Room 131	None detected	N/A	N/A	N/A	N/A		
156-016	Ceiling tile mastic	Room 131	None detected	N/A	N/A	N/A	N/A		
156-017	Resilient floor tile, 9" x 9", dark red	Room 113	10% Chrysotile	10	SF	Significantly damaged (nonfriable)	Low		
156-018	Resilient floor tile, 9" x 9", dark red	Room 113	5-15% Chrysotile	Ref. sample 017		Significantly damaged (nonfriable)	Low		
156-019	Resilient floor tile, black	Room 113	5% Chrysotile	Ref. sample 017		Significantly damaged (nonfriable)	Low		
156-020	Resilient floor tile, black	Room 113	20-25% Chrysotile	Ref. sample 017		Significantly damaged (nonfriable)	Low		
156-021	Ceiling tile, 12" x 12", type 2	Room 105	None detected	N/A	N/A	N/A	N/A		
156-022	Ceiling tile, 12" x 12", type 2	Room 105	None detected	N/A	N/A	N/A	N/A		
156-023	Ceiling tile mastic	Room 105	None detected	N/A	N/A	N/A	N/A		
156-024	Ceiling tile mastic	Room 105	None detected	N/A	N/A	N/A	N/A		
156-025	Pipe joint insulation, 3" OD (elbow)	Pipe chase by room 106	30% Chrysotile	2	EA	Damaged (friable)	High		

Q-126

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
156-026	Pipe joint insulation, 3" OD (elbow)	Pipe chase by room 106	10-15% Amosite 40-50% Chrysotile	Ref. sample 025		Damaged (friable)	High		
156-027	Pipe joint insulation, 3" OD (elbow)	Pipe chase by room 106	1-5% Amosite 20-30% Chrysotile	Ref. sample 025		Damaged (friable)	High		
156-028	Pipe run insulation, 3" OD	Pipe chase by room 106	40% Chrysotile	6	LF	Damaged (friable)	High		
156-029	Pipe run insulation, 3" OD	Pipe chase by room 106	40-65% Chrysotile	Ref. sample 028		Damaged (friable)	High		
156-030	Pipe run insulation, 3" OD	Pipe chase by room 106	40-65% Chrysotile	Ref. sample 028		Damaged (friable)	High		
156-031	Resilient floor tile and mastic, white with tan streaks	Room 200	10% Chrysotile	15,700	SF	Undamaged (nonfriable)	Low		
156-032	Resilient floor tile and mastic, white with tan streaks	Room 200	3-8% Chrysotile (mastic->1% asbestos)	Ref. sample 031		Undamaged (nonfriable)	Low		
156-033	Resilient floor tile and mastic, red-brown	Room 200	20% Chrysotile	Ref. samples 031, 035, 037		Undamaged (nonfriable)	Low		
156-034	Resilient floor tile and mastic, red-brown	Room 200	20-30% Chrysotile	Ref. samples 031, 035, 037		Undamaged (nonfriable)	Low		
156-035	Resilient floor tile and mastic, 9" x 9", tan w/brown and beige spots	Room 205	10% Chrysotile	2,710	SF	Undamaged (nonfriable)	Low		
156-036	Resilient floor tile and mastic, 9" x 9", tan w/brown and beige spots	Room 205	3-8% Chrysotile (mastic->1% asbestos)	Ref. sample 035		Undamaged (nonfriable)	Low		

82-127

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
156-037	Resilient floor tile and mastic, red w/white streaks	Room 200	15-20% Chrysotile	1,190	SF	Undamaged (nonfriable)	Low		
156-038	Resilient floor tile and mastic, red w/white streaks	Room 200	10% Chrysotile	Ref. sample 037		Undamaged (nonfriable)	Low		
156-039	Pipe joint insulation, 3" OD, (fitting)	Pipe chase near room 209	70-80% Chrysotile	1	EA	Damaged (friable)	High		
156-040	Pipe run insulation, 4" OD,	Pipe chase near room 209	60-75% Chrysotile	30	LF	Damaged (friable)	High		
156-041	Pipe joint insulation, 3" OD (elbow)	Pipe chase near room 209	70-85% Chrysotile	3	EA	Damaged (friable)	High		
156-042	Mastic material	Room 250	None detected	N/A	N/A	N/A	N/A		
156-043	Mastic material	Room 250	None detected	N/A	N/A	N/A	N/A		
156-044	Exterior stucco	East side	None detected	N/A	N/A	N/A	N/A		
156-045	Exterior stucco	East side	None detected	N/A	N/A	N/A	N/A		
156-046	Exterior stucco	East side	None detected	N/A	N/A	N/A	N/A		
156-047	Resilient floor tile and mastic, 12" x 12" yellow and white streaks	Hallway by room 002	10% Chrysotile (mastic-10% Chrysotile)	6,036	SF	Damaged (nonfriable)	Low		
156-048	Pipe run insulation, 4" OD	Room 001	20% Amosite 20% Chrysotile	50	LF	Undamaged (friable)	Low		
156-049	Pipe joint insulation, 4" OD (elbow)	Room 001	25% Amosite 20% Chrysotile	10	EA	Undamaged (friable)	Low		

82-128

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
156-050	Ceiling tile mastic	Room 010	None detected	N/A	N/A	N/A	N/A		
156-051	Resilient floor tile and mastic, 12" x 12" yellow/white streaks	Basement, hallway by stairway	2% Chrysotile (mastic-10% Chrysotile)	Ref. sample 047	047	Damaged (nonfriable)	Low		
156-052	Resilient floor tile and mastic, 12" x 12" yellow/white streaks	Basement, hallway by elevator	2% Chrysotile (mastic-15% Chrysotile)	Ref. sample 047	047	Damaged (nonfriable)	Low		
156-053	Pipe run insulation, 8" OD	Basement, hallway by elevator	30% Chrysotile	50	LF	Damaged (friable)	High		
156-054	Pipe joint insulation, 4" OD (elbow)	Basement, hallway by elevator	15% Chrysotile	10	EA	Damaged (friable)	High		
156-055	Pipe run insulation, 4" OD	Hallway leading to building 157	40% Amosite 10% Chrysotile	40	LF	Damaged (friable)	High		
156-056	Pipe joint insulation, 4" OD (elbow)	Hallway leading to building 157	20% Chrysotile 10% Crocidolite	3	EA	Damaged (friable)	High		
156-057	Pipe run insulation, 4" OD	Hallway leading to building 157	None detected	N/A	N/A	N/A	N/A		
156-058	Pipe run insulation, 3" OD	Attic	40% Amosite 10% Chrysotile	20	LF	Significantly damaged (friable)	High		
156-059	Pipe joint insulation, 3" OD (elbow)	Attic	50% Amosite 10% Chrysotile	4	EA	Significantly damaged (friable)	High		
156-060	Resilient floor tile, 12" x 24", black	Hallway leading to building 157	10% Chrysotile	500	SF	Undamaged (nonfriable)	Low		

82-129

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
156-061	Resilient floor tile, 12" x 24", black	Hallway leading to building 157	15% Chrysotile	Ref. sample 060		Undamaged (nonfriable)	Low		

NOTES:

- 1) The potential exposure designation for ACMs is based on the vacancy conditions found in the building at the time of the initial asbestos survey; the surveyed building was vacant at the time of the asbestos survey. Once the use of the surveyed area changes, the potential for damage should be reassessed and appropriate management procedures implemented.
- 2) Ref. 156-025 to 030/039 to 041/048/049/053 to 056/058/059. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber, or cork, or if further sampling results show non-detection for asbestos.
- 6) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 7) In some rooms several different types of resilient floor tile may be present. In instances where the asbestos-containing RFT comprises the majority of the floor area, all floor tiles have been combined together when calculating the total square footage of materials to be abated. This is as follows: Red with white streaks RFT includes red-brown RFT below in room 205; White with tan streaks RFT includes red-brown RFT below in rooms 200, 202, and 204. 9" x 9" tan with small spots of orange and brown RFT includes red-brown RFT below in room 203; 9" x 9" dark red RFT includes light black RFT below in room 113; and 12" x 12" white with light grey spots includes 9" x 9" black RFT below in room 116B.
- 8) The roofing system of building 156 appears to consist of composition roofing shingles. Due to the inaccessibility of the roofing system, no samples of suspect asbestos-containing roofing materials were taken. Sampling of the roofing system should be completed prior to renovation of the roofing system.

82 - 130

c. Sampling Records

BUILDING 157									
Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
157-001	Resilient floor tile and mastic, 9" x 9", red w/white streaks	Room 133	5% Chrysotile	10,200	SF	Undamaged (nonfriable)	Low		
157-002	Plaster composite	Room 133	None detected	N/A	N/A	N/A	N/A		
157-003	Resilient floor tile and mastic, 9" x 9", red w/white streaks	Room 127A	5-12% Chrysotile (mastic->1% asbestos)	Ref. sample 001		Damaged (nonfriable)	Low		
157-004	Resilient sheet flooring, yellow w/green blotches	Room 126	None detected	N/A	N/A	N/A	N/A		
157-005	Resilient sheet flooring, yellow w/green blotches	Room 126	None detected	N/A	N/A	N/A	N/A		
157-006	Resilient floor tile and mastic, 9" x 9", beige w/ red streaks	Room 111	10% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
157-007	Resilient floor tile and mastic, 9" x 9", beige w/ red streaks	Room 111	8-12% Chrysotile 5-10% Tremolite/Actinolite (mastic->1% asbestos)	Ref. sample 001		Undamaged (nonfriable)	Low		
157-008	Ceiling panel, 2' x 4', type 4	Room 105B	None detected	N/A	N/A	N/A	N/A		
157-009	Ceiling panel, 2' x 4', type 4	Room 105B	None detected	N/A	N/A	N/A	N/A		
157-010	Ceiling panel, 2' x 4', type 3	Room 105A	None detected	N/A	N/A	N/A	N/A		
157-011	Ceiling panel, 2' x 4', type 3	Room 105A	None detected	N/A	N/A	N/A	N/A		
157-012	Ceiling tile mastic	Room 105A	None detected	N/A	N/A	N/A	N/A		

82-131

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
157-013	Ceiling tile mastic	Room 105A	None detected	N/A	N/A	N/A	N/A		
157-014	Resilient floor tile and mastic, cream w/grey-green streaks	Room 105B	10% Chrysotile	720	SF	Undamaged (nonfriable)	Low		
157-015	Resilient floor tile and mastic, cream w/grey-green streaks	Room 105B	5-10% Chrysotile (mastic->1% asbestos)	Ref. sample 014		Undamaged (nonfriable)	Low		
157-016	Resilient floor tile and mastic, 9" x 9", light red w/white streaks	Room 105A	15% Chrysotile	Ref. sample 019		Undamaged (nonfriable)	Low		
157-017	Resilient floor tile and mastic, 9" x 9", light red w/white streaks	Room 105A	5-15% Chrysotile (mastic->1% asbestos)	Ref. sample 019		Undamaged (nonfriable)	Low		
157-018	Resilient floor tile and mastic, 9" x 9", white w/brown spots	Room 105A	10% Chrysotile	400	SF	Undamaged (nonfriable)	Low		
157-019	Resilient floor tile and mastic, 9" x 9", white w/brown spots	Room 105A	10-15% Chrysotile (mastic->1% asbestos)	Ref. sample 018		Undamaged (nonfriable)	Low		
157-020	Exterior stucco	East side	None detected	N/A	N/A	N/A	N/A		
157-021	Exterior stucco	Exterior (rm. 101)	None detected	N/A	N/A	N/A	N/A		
157-022	Exterior stucco	West side	None detected	N/A	N/A	N/A	N/A		
157-023	Roofing felt (under clay tiles)	Roof, north	None detected	N/A	N/A	N/A	N/A		
157-024	Roofing composite	Roof, north	5-10% Chrysotile	1,300	SF	Undamaged (nonfriable)	Low		
157-025	Roofing mastic (at flashing)	Roof, north	None detected	N/A	N/A	N/A	N/A		

82-132

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
157-026	Roofing felt (under clay tiles)	Roof, north	None detected	N/A	N/A	N/A	N/A		
157-027	Roofing mastic (at flashing)	Roof, north	None detected	N/A	N/A	N/A	N/A		
157-028	Roofing composite	Roof, north	None detected	N/A	N/A	N/A	N/A		
157-029	Roofing composite	Roof, north	2% Chrysotile	Ref. sample 024		Undamaged (nonfriable)	Low		
157-030	Roofing mastic (at flashing)	Roof, north	40% Chrysotile	150	SF	Undamaged (nonfriable)	Low		
157-031	Roofing felt (under clay tiles)	Roof, north	5-8% Chrysotile	14,930	SF	Undamaged (nonfriable)	Low		
157-032	Resilient floor tile and mastic, 9" x 9", red w/white streaks	Room 111	15-20% Chrysotile (mastic->1% asbestos)	Ref. sample 001		Damaged (nonfriable)	Low		
157-033	Resilient floor tile and mastic, 9" x 9", beige w/ red streaks	Room 111	10-15% Chrysotile (mastic-none detected)	Ref. sample 001		Damaged (nonfriable)	Low		
157-034/ 12-11-95	Pipe run insulation, 3" OD (no access to verify)	Room 111	60% Amosite 5% Chrysotile	2	LF	Undamaged (friable)	Low		
157-035/ 12-11-95	Pipe run insulation, 3" OD	Room 118	30-40% Amosite 5-15% Chrysotile	2	LF	Significantly damaged (friable)	High	3	Patch
157-036/ 12-11-95	Pipe run insulation, 3" OD	Room 109	20-30% Amosite 15-25% Chrysotile	2	LF	Undamaged (friable)	Low	7	Maintain
157-037	Plaster composite	Room 102	None detected	N/A	N/A	N/A	N/A		
157-038	Plaster composite	Room 100	None detected	N/A	N/A	N/A	N/A		

82-133

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
157-039	Resilient floor tile and mastic, 9" x 9", pink w/ red and white streaks	Room 008	2% Chrysotile	Ref. sample 014	N/A	Damaged (nonfriable)	Low		
157-040	Resilient floor tile and mastic, 9" x 9", pink with red and white streaks	Room 008	8-15% Chrysotile (mastic-none detected)	Ref. sample 014	N/A	Damaged (nonfriable)	Low		
157-041	Cementitious material (under tiles)	Room 008	None detected	N/A	N/A	N/A	N/A		
157-042	Cementitious material (under tiles)	Room 008	None detected	N/A	N/A	N/A	N/A		
157-043	Ceiling tile, 12" x 12", type 3	Room 008	None detected	N/A	N/A	N/A	N/A		
157-044	Resilient floor tile and mastic, 9" x 9", dark brown with cream streaks	Room 024	15% Chrysotile	1,025	SF	Undamaged (nonfriable)	Low		
157-045	Resilient floor tile and mastic, 9" x 9", dark brown with cream streaks	Room 024	20-25% Chrysotile (mastic->1% asbestos)	Ref. sample 044		Damaged (nonfriable)	Low		
157-046	Resilient floor tile and mastic, 9" x 9", dark brown with cream streaks	Room 024	20-25% Chrysotile (mastic->1% asbestos)	Ref. sample 044		Damaged (nonfriable)	Low		
157-047	Resilient floor tile and mastic, 12" x 12", dark brown with cream streaks	Hallway by room 030	10% Chrysotile	Ref. sample 050		Undamaged (nonfriable)	Low		
157-048	Resilient floor tile and mastic, 12" x 12", dark brown with cream streaks	Room 021	3-8% Chrysotile (mastic-none detected)	Ref. sample 050		Undamaged (nonfriable)	Low		

82-134

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
157-049	Resilient floor tile and mastic, 12" x 12", dark brown with cream streaks	Room 018	3-8% Chrysotile (mastic->1% asbestos)	Ref. sample 050		Undamaged (nonfriable)	Low		
157-050	Resilient floor tile and mastic, 12" x 12", white w/ orange	Room 018	10% Chrysotile	4,350	SF	Undamaged (nonfriable)	Low		
157-051	Resilient floor tile and mastic, 12" x 12", white w/ orange	Hallway by room 030	2-6% Chrysotile (mastic->1% asbestos)	Ref. sample 050		Undamaged (nonfriable)	Low		
157-052	Resilient floor tile and mastic, 12" x 12", white w/ orange	Room 021	1-5% Chrysotile (mastic->1% asbestos)	Ref. sample 050		Undamaged (nonfriable)	Low		
157-053	Pipe run insulation, 3" OD (at radiator)	Room 030	5% Amosite	2	LF	Damaged (friable)	High		
157-054	Debris (suspect TSI)	Ground Floor	5-15% Amosite	5	SF	Significantly damaged (friable)	High		
157-055	Pipe run insulation, 3" OD (at radiator)	Room 018	15-20% Amosite 5-10% Chrysotile	2	LF	Damaged (friable)	High		
157-056	Pipe run insulation, 3" OD (at radiator)	Room 018	20% Amosite	2	LF	Damaged (friable)	High		
157-057	Pipe run insulation, 3" OD (at radiator)	Room 018	30-40% Amosite 3-8% Chrysotile	2	LF	Damaged (friable)	High		
157-058	Plaster composite	Room 021	None detected	N/A	N/A	N/A	N/A		
157-059	Plaster composite	Room 029	None detected	N/A	N/A	N/A	N/A		
157-060	Baseboard and mastic, 3" high, dark brown	Room 025	None detected	N/A	N/A	N/A	N/A		

82-135

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
157-061	Baseboard and mastic, 3" high, dark brown	Room 024	None detected	N/A	N/A	N/A	N/A		
157-062	Resilient floor tile and mastic, cream w/grey-green streaks	Room 016	20% Chrysotile	525	SF	Damaged (nonfriable)	Low		
157-063	Resilient floor tile and mastic, cream w/grey-green streaks	Room 016	8-12% Chrysotile (mastic->1%asbestos)	Ref. sample 062		Damaged (nonfriable)	Low		
157-064	Resilient floor tile and mastic, grey-green w/cream streaks	Room 016	5-15% Chrysotile (mastic->1%asbestos)	Ref. sample 062		Damaged (nonfriable)	Low		
157-065	Resilient floor tile and mastic, grey-green w/cream streaks	Room 016	15% Chrysotile	Ref. sample 062		Damaged (nonfriable)	Low		
157-066	Pipe run insulation, 3" OD	Room 016	5-15% Amosite 30-40% Chrysotile	5	LF	Damaged (friable)	High		
157-067	Pipe run insulation, 3" OD	Room 016	20% Amosite 40% Chrysotile	Ref. sample 066		Damaged (friable)	High		
157-068	Pipe run insulation, 3" OD	Room 016	15-20% Amosite 30-40% Chrysotile	5	LF	Damaged (friable)	High		
157-069	Pipe run insulation, 3" OD	Room 016	15-20% Amosite 25-30% Chrysotile	Ref. sample 068		Damaged (friable)	High		
157-070	Baseboard and mastic, 4" high, black	Room 030	None detected	N/A	N/A	N/A	N/A		
157-071	Baseboard and mastic, 4" high, black	Room 030	None detected	N/A	N/A	N/A	N/A		

82-136

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
157-072	Resilient floor tile and mastic, 12" x 24", black (1/4" deep)	Hallway by room 011	25-30% Chrysotile	240	SF	Damaged (nonfriable)	Low		
157-073	Resilient floor tile and mastic, 12" x 24", black (1/4" deep)	Room 015	20% Chrysotile.	Ref. sample 072		Damaged (nonfriable)	Low		
157-074	Resilient floor tile and mastic, 12" x 24", black (1/4" deep)	Room 013	20% Chrysotile.	Ref. sample 072		Damaged (nonfriable)	Low		
157-075	Pipe run insulation, 4" OD	Hall by rm. 015	None detected	N/A	N/A	N/A	N/A		
157-076	Pipe joint insulation, 4" OD (elbow)	Hallway by Room 010	40% Chrysotile	1	EA	Damaged (friable)	High		
157-077	Pipe joint insulation, 4" OD (elbow)	Hallway by room 010	25-35% Chrysotile	1	EA	Damaged (friable)	High		
157-078	Pipe run insulation, 4" OD	Hall by rm. 010	None detected	N/A	N/A	N/A	N/A		
157-079	Pipe joint insulation, 5" OD (elbow)	Hallway by room 010	20% Amosite 40% Chrysotile	1	EA	Damaged (friable)	High		
157-080	Pipe run insulation, 5" OD	Hallway by room 010	20-30% Amosite 15-25% Chrysotile	30	LF	Damaged (friable)	High		
157-081	Pipe run insulation, 5" OD	Hallway by room 010	80% Chrysotile	Ref. sample 060		Damaged (friable)	High		
157-082	Pipe joint insulation, 6" OD (elbow)	Hallway by room 010	25-30% Amosite 20-25% Chrysotile	1	EA	Damaged (friable)	High		
157-083	Pipe run insulation, 8" OD	Hallway by room 010	10-15% Amosite 35-45% Chrysotile	10	LF	Significantly damaged (friable)	High		

82-137

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
157-084	Pipe run insulation, 8" OD	Hallway by room 010	30-40% Chrysotile	Re. sample 083		Significantly damaged (friable)	High		
157-085	Pipe run insulation, 4"OD	Hall by rm. 010	None detected	N/A	N/A	N/A	N/A		
157-086	Pipe run insulation, 6"OD	Hall by rm. 010	None detected	N/A	N/A	N/A	N/A		
157-087	Pipe joint insulation, 4" OD (fitting)	Hallway by room 010	25-30% Chrysotile	1	EA	Damaged (friable)	High		
157-088	Pipe run insulation, 4" OD	Hallway by room 010	35-45% Chrysotile	10	LF	Damaged (friable)	High		
157-089	Pipe run insulation, 6" OD	Hallway by room 010	5-10% Amosite 35-40% Chrysotile	10	LF	Damaged (friable)	High		
157-090	Pipe joint insulation, 6" OD (elbow)	Hallway by room 010	20% Amosite	1	EA	Damaged (friable)	High		
157-091	Pipe joint insulation, 10" OD (elbow)	Hallway by room 010	20% Amosite	1	EA	Damaged (friable)	High		
157-092	Pipe run insulation, 10" OD	Hallway by room 010	5-15% Amosite 25-30% Chrysotile	75	LF	Damaged (friable)	High		
157-093	Pipe run insulation, 5"OD	Room 012	60% Amosite	25	LF	Damaged (friable)	High		
157-094	Pipe joint insulation, 6" OD (45° elbow)	Hallway by room 010	25-35% Amosite 35-45% Chrysotile	1	EA	Damaged (friable)	High		
157-095	Pipe joint insulation, 5" OD (elbow)	Room 012	35-45% Amosite 30-40% Chrysotile	1	EA	Damaged (friable)	High		

82-138

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
157-096	Pipe run insulation, 5" OD	Room 012	35-45% Amosite 10-20% Chrysotile	Ref. sample 093		Damaged (friable)	High		
157-097	Pipe joint insulation, 5" OD (elbow)	Room 012	30-40% Chrysotile	1	EA	Damaged (friable)	High		
157-098	Pipe joint insulation, 6" OD (fitting)	Room 012	40% Chrysotile 20% Crocidolite	1	EA	Damaged (friable)	High		
157-099	Pipe run insulation, 8" OD	Room 012	20% Amosite	10	LF	Damaged (friable)	High		
157-100	Pipe run insulation, 8" OD	Room 012	30-40% Amosite 10-20% Chrysotile	Ref. sample 099		Damaged (friable)	High		
157-101	Pipe run insulation, 8" OD	Room 012	35-40% Amosite 5-10% Chrysotile	10	LF	Significantly damaged (friable)	High		
157-102	Pipe run insulation, 3" OD	Room 012	15-25% Amosite 20-30% Crocidolite	12	LF	Significantly damaged (friable)	High		
157-103	Pipe run insulation, 3" OD	Room 012	40-50% Amosite 10-15% Crocidolite	12	LF	Significantly damaged (friable)	High		
157-104	Pipe run insulation, 12" OD	Room 012	20% Amosite	15	LF	Significantly damaged (friable)	High		
157-105	Pipe run insulation, 8" OD	Room 012	60% Chrysotile	10	LF	Significantly damaged (friable)	High		
157-106	Pipe run insulation, 8" OD	Room 012	10% Amosite 20% Crocidolite	Ref. sample 105		Significantly damaged (friable)	High		

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
157-107	Debris (suspect TSI on pipe run insulation, 8" OD)	Room 012	30-45% Amosite 20-30% Crocidolite	1	EA	Significantly damaged (friable)	High		
157-108	Pipe run insulation, 12" OD	Room 012	25-35% Amosite 5-10% Chrysotile 3-8% Crocidolite	Ref. sample 104		Significantly damaged (friable)	High		
157-109	Pipe run insulation, 12" OD	Room 012	35-45% Amosite 10-15% Chrysotile	Ref. sample 104		Significantly damaged (friable)	High		
157-110	Pipe run insulation, 6" OD	Room 012	60% Chrysotile	10	LF	Significantly damaged (friable)	High		
157-111	Pipe joint insulation, 6" OD (elbow)	Room 012	25-35% Amosite 30-40% Chrysotile	2	EA	Undamaged (friable)	Low		
157-112	Pipe run insulation, 3" OD	Room 013	5-15% Chrysotile	40	LF	Undamaged (friable)	Low		
157-113	Pipe run insulation, 3" OD	Room 013	20% Chrysotile	Ref. sample 112		Undamaged (friable)	Low		
157-114	Pipe run insulation, 3" OD	Room 013	5-10% Chrysotile	Ref. sample 112		Undamaged (friable)	Low		
157-115	Roofing felt (under clay tiles)	Roof, north	None detected	N/A	N/A	N/A	N/A		
157-116	Roofing felt (under clay tiles)	Roof, north	None detected	N/A	N/A	N/A	N/A		

82-140

NOTES:

- 1) The potential exposure designation for ACMs is based on the vacancy conditions found in the building at the time of the initial asbestos survey; the surveyed building was vacant at the time of the asbestos survey. Once the use of the surveyed area changes, the potential for damage should be reassessed and appropriate management procedures implemented.
- 2) Ref. 157-034 to 036/053/055 to 057/066 to 069/077/079/080/082 to 084/087 to 092/094 to 105/107 to 114. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data. The ACM quantity of pipe insulation includes two 8"OD pipes located in the steam tunnel below the south portion of this building (building 157).
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transite piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber, or cork, or if further sampling results show non-detection for asbestos.
- 6) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 7) In some rooms several different types of resilient floor tile may be present. In instances where the asbestos-containing RFT comprises the majority of the floor area, all floor tiles have been combined together when calculating the total square footage of materials to be abated. This is as follows: 9" x 9" red with white streaks RFT includes 9" x 9" beige with red streaks RFT throughout; 9" x 9" white with brown spots RFT includes 9" x 9" light red with white streaks RFT in room 105A; cream with grey-green streaks RFT includes 9" x 9" red with white streaks RFT and 9" x 9" pink with red and white streaks RFT in room 008; 12" x 12" white with orange includes 12" x 12" dark brown with cream streaks RFT, 9" x 9" red with white streaks RFT, and 9" x 9" beige with red streaks RFT below in room 018; and cream with grey-green streaks RFT includes grey-green with cream streaks RFT in room 016.
- 8) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.

c. Sampling Records

BUILDING 158

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
158-001	Resilient floor tile and mastic, 12"x12", cream with light brown spots	Room 143	2% Chrysotile	15,625	SF	Undamaged (nonfriable)	Low		
158-002	Baseboard and mastic, 3" high, brow	Room 143	None detected	N/A	N/A	N/A	N/A		
158-003	Resilient floor tile and mastic, 12" x 12", cream with light brown spots	Room 115	None detected	N/A	N/A	N/A	N/A		
158-004	Plaster composite	Hall by room 143	None detected	N/A	N/A	N/A	N/A		
158-005 / 12-11-95	Pipe joint Insulation, 3"OD (elbow) with debris	Hallway by room 143	20% Chrysotile	1	EA	Significantly Damaged (friable)	High	1	Remove
158-006	Baseboard and mastic, 3" high, brow	Room 115	None detected	N/A	N/A	N/A	N/A		
158-007	Resilient floor tile and mastic, 12" x 12", cream with light brown spots	Room 122	None detected	N/A	N/A	N/A	N/A		
158-008	Baseboard and mastic, 3" high, brow	Room 122	None detected	N/A	N/A	N/A	N/A		
158-009	Ceiling panel, 2' x 4', type 1	Hall by room 143	None detected	N/A	N/A	N/A	N/A		
158-010	Resilient floor tile and mastic, 12" x 12", olive with dark brown and white streaks	Hall by room 138	None detected	N/A	N/A	N/A	N/A		
158-011	Resilient floor tile and mastic, 12" x 12", olive with dark brown and white streaks	Hallway by room 118	Floor tile-none detected (mastic->1% asbestos)	8,950	SF	Undamaged (nonfriable)	Low		

82,142

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
158-012	Resilient floor tile and mastic, 9" x 9", red, (below olive RFT)	Hallway by room 118	15% Chrysotile	Ref. sample 011		Undamaged (nonfriable)	Low		
158-013	Resilient floor tile and mastic, 12" x 12", olive with dark brown and white streaks	Hallway by room 135	None detected	N/A	N/A	N/A	N/A		
158-014	Ceiling panel, 2' x 4', type 2	Hallway by rm. 113	None detected	N/A	N/A	N/A	N/A		
158-015	Resilient floor tile and mastic, 9" x 9", red, (below olive RFT)	Hallway by room 113	30-35% Chrysotile (mastic->1% asbestos)	Ref. sample 011		Undamaged (nonfriable)	Low		
158-016	Resilient floor tile and mastic, 9" x 9", red, (below olive RFT)	Hallway by room 106	25-35% Chrysotile	Ref. sample 011		Undamaged (nonfriable)	Low		
158-017	Joint compound	Hall by room 111A	None detected	N/A	N/A	N/A	N/A		
158-018	Joint compound	Room 104	5-10% Chrysotile	530	SF	Undamaged (nonfriable)	Low		
158-019	Resilient floor tile and mastic, 12" x 12", yellow with brown spots	Room 152	2% Chrysotile (mastic->1% asbestos)	160	SF	Undamaged (nonfriable)	Low		
158-020	Resilient floor tile and mastic, 12" x 12", yellow with brown spots	Room 152	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 019		Undamaged (nonfriable)	Low		
158-021	Mastic material (on pipe insulation, 4" OD).	Pipe chase next to room 152	None detected	N/A	N/A	N/A	N/A		
158-022	Mastic material (on pipe insulation, 4" OD).	Pipe chase next to room 152	None detected	N/A	N/A	N/A	N/A		
158-023	Mastic material (on pipe insulation, 4" OD).	Pipe chase next to room 152	None detected	N/A	N/A	N/A	N/A		

82.143

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
158-024	Resilient floor tile and mastic, 12" x 12", white w/grey streaks	Room 153	2% Chrysotile (mastic->1% asbestos)	160	SF	Undamaged (nonfriable)	Low		
158-025	Resilient floor tile and mastic, 12" x 12", white w/grey streaks	Room 153	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 024		Undamaged (nonfriable)	Low		
158-026	Plaster composite	Pipe chase next to room 152	None detected	N/A	N/A	N/A	N/A		
158-027	Resilient sheet flooring, brown	Room 162	None detected	N/A	N/A	N/A	N/A		
158-028	Resilient sheet flooring, brown	Room 162	None detected	N/A	N/A	N/A	N/A		
158-029	Ceiling panel, 2' x 4', type 5	North hallway by stairs	None detected	N/A	N/A	N/A	N/A		
158-030 / 12-11-95	Pipe run insulation, 4" OD	North hallway by stairs, room 163	85-95% Chrysotile	20	LF	Damaged (friable)	High	2	Patch
158-031 / 12-11-95	Pipe run insulation, 4" OD	North hallway by stairs, room 163	60% Chrysotile	Ref. sample 030		Damaged (friable)	High	2	Patch
158-032	Resilient floor tile and mastic, 9" x 9", red	North stairwell	10% Chrysotile	100	SF	Undamaged (nonfriable)	Low		
158-033	Resilient floor tile and mastic, 2.5' x 2.5', black	North stairwell	2% Chrysotile	Ref. sample 032		Undamaged (nonfriable)	Low		
158-034	Resilient floor tile and mastic, 12" x 12", tan w/ brown streaks	Room 176	None detected	N/A	N/A	N/A	N/A		
158-035	Resilient floor tile and mastic, 12" x 12", tan w/brown streaks	Room 166	Floor tile-none detecte (mastic->1% asbestos)	1,930	SF	Undamaged (nonfriable)	Low		

82, 144

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
158-036	Resilient floor tile and mastic, 12" x 12", yellow	Room 166	None detected	N/A	N/A	N/A	N/A		
158-037	Resilient floor tile and mastic, 12" x 12", yellow	Room 166	None detected	N/A	N/A	N/A	N/A		
158-038	Ceiling panel, 2' x 4', type 6	Room 166	None detected	N/A	N/A	N/A	N/A		
158-039	Ceiling panel, 2' x 4', type 6	Room 166	None detected	N/A	N/A	N/A	N/A		
158-040	Joint compound	Room 166	None detected	N/A	N/A	N/A	N/A		
158-041	Baseboard and mastic, 3" high, crea	Room 166	None detected	N/A	N/A	N/A	N/A		
158-042	Baseboard and mastic, 3" high, crea	Room 166	None detected	N/A	N/A	N/A	N/A		
158-043	Baseboard and mastic, 5" high, brow	Room 166	None detected	N/A	N/A	N/A	N/A		
158-044	Baseboard and mastic, 5" high, brow	Room 166	None detected	N/A	N/A	N/A	N/A		
158-045	Baseboard and mastic, 3" high, black	Room 166	None detected	N/A	N/A	N/A	N/A		
158-046	Baseboard and mastic, 3" high, black	Room 166	None detected	N/A	N/A	N/A	N/A		
158-047	Resilient floor tile and mastic, 9" x 9", red (below cream RFT)	Room 171	20-30% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
158-048	Resilient floor tile and mastic, 12" x 12", light brown w/ dark streaks	Room 171	None detected	N/A	N/A	N/A	N/A		
158-049	Resilient floor tile and mastic, 12" x 12", light brown w/ dark streaks	Room 171	None detected	N/A	N/A	N/A	N/A		
158-050	Sink undercoat	Room 135	2% Chrysotile	1	EA	Undamaged (nonfriable)	Low		

82-145

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
158-051	Ceiling tile, 12" x 12", type 7	South stairwell	None detected	N/A	N/A	N/A	N/A		
158-052	Ceiling tile, 12" x 12", type 7	South stairwell	None detected	N/A	N/A	N/A	N/A		
158-053	Ceiling tile, 12" x 12", type 7	South stairwell	None detected	N/A	N/A	N/A	N/A		
158-054	Plaster composite	Room 128A	None detected	N/A	N/A	N/A	N/A		
158-055	Carpet mastic	Room 113	None detected	N/A	N/A	N/A	N/A		
158-056	Baseboard and mastic, 5" high, brow	Room 113	None detected	N/A	N/A	N/A	N/A		
158-057	Carpet mastic	Room 109	None detected	N/A	N/A	N/A	N/A		
158-058	Baseboard and mastic, 3" high, oran	Room 242A	None detected	N/A	N/A	N/A	N/A		
158-059	Baseboard and mastic, 3" high, oran	Room 242A	None detected	N/A	N/A	N/A	N/A		
158-060	Joint compound	Room 242	None detected	N/A	N/A	N/A	N/A		
158-061	Baseboard and mastic, 3" high, brow	Room 242	None detected	N/A	N/A	N/A	N/A		
158-062	Resilient floor tile and mastic, 9" x 9", red	North stairwell	10% Chrysotile	Ref. sample 032	N/A	Undamaged (nonfriable)	Low		
158-063	Resilient floor tile and mastic, 9" x 9", red (below sample #062)	North stairwell	25-40% Chrysotile	Ref. sample 032	N/A	Undamaged (nonfriable)	Low		
158-064	Ceiling panel, 2' x 4', type 3	Room 242	None detected	N/A	N/A	N/A	N/A		
158-065	Resilient floor tile and mastic, 12" x 12", white with brown, orange red and grey	Room 242	2% Chrysotile	5,000	SF	Undamaged (nonfriable)	Low		
158-066	Baseboard and mastic, 3" high, brow	Hall by room 237	None detected	N/A	N/A	N/A	N/A		

82-146

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
158-067	Ceiling panel, 2' x 4', type 2	Hall by room 201	None detected	N/A	N/A	N/A	N/A		
158-068	Ceiling panel, 2' x 4', type 1	Hall by room 201	None detected	N/A	N/A	N/A	N/A		
158-069	Resilient floor tile and mastic, 12" x white w/ brown, orange, red and green	Hall by room 246	None detected	N/A	N/A	N/A	N/A		
158-070	Baseboard and mastic, 3" high brow	Hall by room 246	None detected	N/A	N/A	N/A	N/A		
158-071	Baseboard and mastic, 5" high, olive	Room 202	None detected	N/A	N/A	N/A	N/A		
158-072	Baseboard and mastic, 5" high, olive	Room 202	None detected	N/A	N/A	N/A	N/A		
158-073	Resilient floor tile and mastic, 12" x 12", tan w/ light brown stripes (under carpet)	Room 202,	2% Chrysotile (mastic->1% asbestos)	140	SF	Undamaged (nonfriable)	Low		
158-074	Resilient floor tile and mastic, 12" x tan with light brown stripes	Room 202, (under carpet)	None detected	N/A	N/A	N/A	N/A		
158-075	Resilient floor tile and mastic, 12" x 12", orange	Room 220	2% Chrysotile (mastic->1% asbestos)	740	SF	Undamaged (nonfriable)	Low		
158-076	Resilient floor tile and mastic, 12" x 12", orange	Room 217	2% Chrysotile (mastic->1% asbestos)	Ref. sample 075		Undamaged (nonfriable)	Low		
158-077	Resilient floor tile and mastic, 12" x 12", orange	Room 218	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 075		Undamaged (nonfriable)	Low		
158-078	Joint compound	Room 202	None detected	N/A	N/A	N/A	N/A		
158-079	Baseboard and mastic, 5" high, olive	Room 203	None detected	N/A	N/A	N/A	N/A		

82-147

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
158-080	Resilient floor tile and mastic, 12" x 12", cream with red, black and yellow streaks	Room 203	5% Chrysotile	588	SF	Undamaged (nonfriable)	Low		
158-081	Resilient floor tile and mastic, 12" x 12", cream with red, black and yellow streaks	Room 203	2% Chrysotile	100	SF	Undamaged (nonfriable)	Low		
158-082	Resilient floor tile and mastic, 12" x cream with red, black and yellow streaks	Room 204	None detected	N/A	N/A	N/A	N/A		
158-083	Resilient floor tile and mastic, 12" x cream with red, black and yellow streaks	Room 204	None detected	N/A	N/A	N/A	N/A		
158-084	Ceiling panel, 2' x 4', type 5	Hall by room 220	None detected	N/A	N/A	N/A	N/A		
158-085	Baseboard and mastic, 5" high, black	Room 205	None detected	N/A	N/A	N/A	N/A		
158-086	Baseboard and mastic, 5" high, black	Room 205	None detected	N/A	N/A	N/A	N/A		
158-087	Ceiling panel, 2' x 4', type 3	Hall by room 204	None detected	N/A	N/A	N/A	N/A		
158-088	Ceiling panel, 2' x 4', type 2	Hall by room 204	None detected	N/A	N/A	N/A	N/A		
158-089	Resilient floor tile and mastic, 12" x 12", white w/brown streaks	Hallway by room 209	2% Chrysotile	800	SF	Undamaged (nonfriable)	Low		
158-090	Resilient floor tile and mastic, 12" x 12", white with brown streaks	Hallway by room 209	None detected	N/A	N/A	N/A	N/A		
158-091	Roofing composite	Roof	None detected	N/A	N/A	N/A	N/A		
158-092	Roofing composite	Roof	None detected	N/A	N/A	N/A	N/A		

2-148

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
158-093	Canvas tape	Roof	None detected	N/A	N/A	N/A	N/A		
158-094	Canvas tape	Roof	None detected	N/A	N/A	N/A	N/A		
158-095	Canvas tape	Roof	None detected	N/A	N/A	N/A	N/A		
158-096	Flexible connector/vibration damper	Roof	None detected	N/A	N/A	N/A	N/A		
158-097	Flexible connector/vibration damper	Roof	None detected	N/A	N/A	N/A	N/A		
158-098	Flexible connector/vibration damper	Roof	None detected	N/A	N/A	N/A	N/A		
158-099	Penetration mastic	Roof	20% Chrysotile	460	SF	Undamaged (nonfriable)	Low		
158-100	Penetration mastic	Roof	10-20% Chrysotile	Ref. sample 099		Undamaged (nonfriable)	Low		
158-101	Penetration mastic	Roof	15-20% Chrysotile	Ref. sample 099		Undamaged (nonfriable)	Low		
158-102	Roofing composite	Roof	None detected	N/A	N/A	N/A	N/A		
158-103	Ceiling panel, 2' x 4', type 4	Hallway by mech. room in basement	None detected	N/A	N/A	N/A	N/A		
158-104	Joint compound	Hallway by room 14	1-5% Chrysotile	600	SF	Undamaged (nonfriable)	Low		
158-105	Joint compound	Room 20	None detected	N/A	N/A	N/A	N/A		
158-106	Resilient floor tile and mastic, 12" x 12", white w/brown streaks	Hallway by room 220	Floor tile-none detected (mastic->1% asbestos)	Ref. sample 089		Undamaged (nonfriable)	Low		

82-149

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
158-107	Ceiling panel, 2' x 4', type 5	Hall by room 220	None detected	N/A	N/A	N/A	N/A		
158-108	Ceiling panel, 2' x 4', type 1	Hall by room 252	None detected	N/A	N/A	N/A	N/A		
158-109/ 12-11-95	Debris (suspect TSI)	Basement, crawl space	40% Chrysotile	2,350	SF	Significantly damaged (friable)	High	3	Remove
158-110	Debris (suspect TSI)	Basement, crawl space	None detected	N/A	N/A	N/A	N/A		
158-111	Ceiling panel, 2' x 4', type 3	Room 243	None detected	N/A	N/A	N/A	N/A		
158-112/ 12-11-95	Debris (suspect TSI) (on pipe run insulation, 2" OD)	Basement, crawl space	5-10% Amosite 30-40% Chrysotile 1-5% Crocidolite	Ref. sample 109		Significantly damaged (friable)	High	3	Remove
158-113/ 12-11-95	Pipe joint insulation, 3"OD (elbow)	Basement, crawl space	30-45% Chrysotile	2	EA	Significantly damaged (friable)	High	3	Remove
158-114/ 12-11-95	Pipe run insulation, 3"OD	Basement, crawl space	40% Chrysotile	2	LF	Significantly damaged (friable)	High	3	Remove
158-115	Mastic material on stairs	Basement, stairwell	20-30% Chrysotile	70	SF	Undamaged (nonfriable)	Low		
158-116/ 12-11-95	Pipe run insulation, 6"OD	Basement, North hallway (ceiling cavity)	80% Chrysotile	6	LF	Significantly damaged (friable)	High	3	Cap ends Patch
158-117/ 12-11-95	Pipe joint insulation, 6"OD (elbow)	Basement, North hallway (ceiling cavity)	60% Chrysotile	1	LF	Significantly damaged (friable)	High	3	Cap ends Patch

82-150

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
158-118 / 12-11-95	Pipe joint insulation, 4"OD (elbow)	Basement, North hallway (ceiling cavity)	60% Chrysotile	1	LF	Significantly damaged (friable)	High	3	Cap ends Patch
158-119 / 12-11-95	Pipe joint insulation, 8"OD (elbow)	Basement, North hallway (ceiling cavity)	30-40% Chrysotile	1	EA	Significantly damaged (friable)	High	3	Cap ends Patch
158-120 / 12-11-95	Pipe run insulation, 4"OD	Basement, North hallway (ceiling cavity)	20-30% Amosite 30-40% Chrysotile	2	LF	Significantly damaged (friable)	High	3	Cap ends Patch
158-121 / 12-11-95	Pipe run insulation, 5"OD	Northwest hallway exposed pipe area	20% Amosite	65	LF	Slightly damaged (friable)	Low	5	Patch
158-122 / 12-11-95	Pipe run insulation, 8"OD	Northwest hallway exposed pipe area	20% Amosite 40% Chrysotile	95	LF	Slightly damaged (friable)	Low	5	Patch
158-123 / 12-11-95	Pipe run insulation, 5"OD	Northwest hallway exposed pipe area	40% Amosite 20% Chrysotile	Ref. sample 121		Slightly damaged (friable)	Low	5	Patch
158-124 / 12-11-95	Pipe run insulation, 8"OD	Northwest hallway exposed pipe area	20% Amosite 20% Chrysotile	Ref. sample 122		Slightly damaged (friable)	Low	5	Patch
158-125 / 12-11-95	Pipe run insulation, 5"OD	Northwest hallway exposed pipe area	25-40% Amosite 15-20% Chrysotile	Ref. sample 121		Slightly damaged (friable)	Low	5	Patch
158-126 / 12-11-95	Pipe run insulation, 8"OD	Northwest hallway exposed pipe area	25-30% Chrysotile 30-40% Crocidolite	Ref. sample 122		Slightly damaged (friable)	Low	5	Patch
158-127	Ceiling panel, 2' x 4', type 4	Room 102	None detected	N/A	N/A	N/A	N/A	N/A	N/A

82-151

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	ACM Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
158-128	Ceiling panel, 2' x 4', type 4	Room 102	None detected	N/A	N/A	N/A	N/A		
158-129	Resilient floor tile and mastic, 12" x 12", blue	Room 16	2% Chrysotile	150	SF	Undamaged ²	Low		
158-130	Resilient floor tile and mastic, 12" x 12", blue	Room 16	Floor tile - none detected (mastic -> 1% asbestos)	Ref. sample 129		Undamaged (nonfriable)	Low		
158-131	Resilient floor tile and mastic, 12" x 12", blue	Room 16	2% Chrysotile	Ref. sample 129		Undamaged (nonfriable)	Low		
158-132	Resilient floor tile and mastic, 12" x 12", pink	Room 17	None detected	N/A	N/A	N/A	N/A		
158-133	Resilient floor tile and mastic, 12" x 12", pink	Room 17	None detected	N/A	N/A	N/A	N/A		
158-134	Resilient floor tile and mastic, 12" x 12", pink	Room 17	Floor tile - none detected (mastic -> 1% asbestos)	120	SF	Undamaged (nonfriable)	Low		
158-135/ 12-11-95	REMOVED								
158-136	Joint compound	Room 18	None detected	N/A	N/A	N/A	N/A		
158-137	Joint compound	Room 18	None detected	N/A	N/A	N/A	N/A		
158-138	Resilient floor tile and mastic, 12" x 12", olive with fissures	Room 210	5% Chrysotile	1,530	SF	Undamaged (nonfriable)	Low		
158-139	Resilient floor tile and mastic, 12" x 12", olive with fissures	Room 209	5% Chrysotile	Ref. sample 138		Undamaged (nonfriable)	Low		
158-140	Resilient floor tile and mastic, 12" x 12", olive with fissures	Room 212	5% Chrysotile	Ref. sample 138		Undamaged (nonfriable)	Low		

82-52

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
158-141	Wall panels, 2' x 4', type 1	Room 209	None detected	N/A	N/A	N/A	N/A		
158-142	Wall panels, 2' x 4', type 1	Room 209	None detected	N/A	N/A	N/A	N/A		
158-143	Wall panels, 2' x 4', type 1	Room 209	None detected	N/A	N/A	N/A	N/A		
158-144	Resilient floor tile and mastic, 12" x 12", yellow with brown spots	Room 213	None detected	N/A	N/A	N/A	N/A		
158-145	Resilient floor tile and mastic, 12" x 12", yellow with brown spots	Room 213	None detected	N/A	N/A	N/A	N/A		
158-146	Plaster composite	Room 213	None detected	N/A	N/A	N/A	N/A		

NOTES:

- 1) Ref. 158-005. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref 158-005/030/031/112/113/114/116 to 126/135. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transite piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.

82-153

- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 6) Ref. 158-050. Sink Undercoat Material is typically a black, cream, or grey material found on the underside of many sinks throughout the VA Hospital complex. The black, grey, and some of the cream material has been found to be asbestos-positive. The newer material appears to be a white fibrous material which has been found to be asbestos-negative. It is nearly impossible to accurately estimate the number of sinks which have asbestos-containing sink undercoat material without sampling each individual sink in question. Therefore, the number listed in the ACM Quantity column is the number of asbestos-positive sinks in that area.
- 7) Ref. 158-018/104. Drywall joint compound. Due to the difficulty of finding where the drywall joint compound is located and the various renovation projects performed in the building, it is nearly impossible to accurately estimate the quantity of asbestos-containing drywall joint compound without sampling each specific area. Therefore, only the ACM Quantity for the area where the sample was taken is included.
- 8) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 9) In some rooms several different types of resilient floor tile may be present. In instances where the asbestos-containing RFT comprises the majority of the floor area, all floor tiles have been combined together when calculating the total square footage of materials to be abated. This is as follows:
 - 9" x 9" red RFT is below 12" x 12" olive with dark brown and white streaks RFT located in the hallway on the first floor; 12" x 12" cream with red, black, yellow streaks RFT includes 12" x 12" yellow with red, black, yellow streaks RFT in rooms 203, 204; 9" x 9" red RFT includes 2'-5" x 2'-5" black RFT (border tiles) in the north stairwell on both the first and second floors.
- 10) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-GLAHS BUILDING 158
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN K. SPIVEY**

November 15, 2002

November 15, 2002
Contract No. V691P-6501 Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
Bldg. 218, Room 328
11301 Wilshire Boulevard
Los Angeles, CA 90073

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
BUILDING NO 158, VA-GLAHS WEST LA
11301 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073**

Environmental Engineering, Inc. on behalf of the United States Department of Veterans Affairs, reinspected the asbestos containing materials (ACM) in Building 158 of the USVA-Greater Los Angeles Healthcare System (GLAHS) in Los Angeles, California. Mr. James Spencer, Mr. Roman Akeh and Dr. Zainul Abedin of Environmental Engineering, Inc. performed the asbestos inspection at the Site on November 7, 2002. Mr. James Spencer (CAC#92-0368) and Mr. Roman Akeh (CAC #93-1176) are California asbestos consultants and Dr. Zainul Abedin is an asbestos building inspector and management planner and an accredited Lead Inspector, Risk Assessor and a Lead Supervisor (I/S-1151) in the State of California.

Environmental Engineering Inc. performed the survey of the site structures to identify, assess, and sample suspect ACM at the Site, and to recommend, if necessary, appropriate response actions upon the findings of the survey. The survey consisted of a walk-through of the accessible areas, visual observation for the presence of potential ACM and sampling of presumed asbestos containing materials, and conditional reassessment of the known ACMs. Flooring, ceiling, carpet mastic, baseboard, wall plaster, joint compounds, sink undercoat, HVAC duct canvas tape, thermal system insulation (TSI) on pipes, elbows, joints, ducts and debris and composite roofing & penetration mastic were formerly sampled and tested. Friable asbestos was found in the following materials throughout the building:

- 3"Φ Pipe & Fitting Insulations
- 4"Φ Pipe & Fitting Insulations
- 5"Φ Pipe & Fitting Insulations
- 6"Φ Pipe & Fitting Insulations
- 8"Φ Pipe & Fitting Insulations
- TSI/Duct Insulation Debris

Non-friable asbestos was found in the following materials throughout the building:

- 9"X9" Resilient Floor Tile & Mastic
- 12"X12" Resilient Floor Tile & Mastic
- Joint Compound
- Sink Undercoat
- Roofing Mastic

None of these known asbestos containing materials were removed from the Building 158 apparently.

The conditions of the remaining asbestos-containing materials were visually observed and re-assessed for management response actions. Based on the findings of this reinspection, friable pipe & fitting insulations and TSI debris remained damaged in basement crawl space, room 143 hall, 163, north hall exposed pipe areas that require removal and/or patching. Non-friable floor tiles, joint compound and roof penetration mastic remained undamaged throughout while sink undercoat is longer found in room 135. The results of this survey are summarized in Table 1 with recommended management response actions.

Environmental Engineering, Inc. conducted the asbestos inspection in accessible areas of the Site. Other conditions may exist in inaccessible areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. This survey was performed in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature. If you have any questions concerning the methodology or the results of this survey, please contact us at (818) 547-1330.

Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,



Zainul Abedin, PhD, REA
Project Manager

**Table 1 : BUILDING 158, VA-GLAHS
ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 11/07/02

Materials	Location/Rooms	ACM Condition	Friability	Potential Exposure	Priority	Response
3" @ Pipe & Fitting Insulations	143 Hall, Basement Crawl Space	Significantly Damaged	Yes	Moderate	3	Patch/Remove
4" @ Pipe & Fitting Insulations	163, North Hall by Stairs, Basement North Hall Ceiling	Damaged	Yes	High	3	Patch/Remove
5" @ Pipe & Fitting Insulations	NW Hall Exposed Pipe Area	Slightly Damaged	Yes	Low	6	Patch
6" @ Pipe & Fitting Insulations	Basement North Hall Ceiling	Significantly Damaged	Yes	High	3	Patch
6" @ Pipe & Fitting Insulations	Basement North Hall Ceiling, NW Hall Exposed Pipe Area	Significantly Damaged	Yes	High	3	Patch
TSU Debris	143 Hall, Basement Crawl Space	Significantly Damaged	Yes	High	2	Remove
9"x9" Floor Tile Mastic	106, 108 Hall, 113 Hall, 118 Hall, North Stairwell, 171	Undamaged	No	Low	7	Maintain
12"x12" Floor Tile Mastic	16, 17, 118 Hall 143, 152, 153, 166, 202-3, 209, 209 Hall, 210, 212, 217-8, 220 & Hall, 242,	Undamaged	No	Low	7	Maintain
Joint Compound	14 Hall, 104	Undamaged	No	Low	7	Maintain
Roof Penetration Mastic	Roof	Undamaged	No	Low	7	Maintain

- Notes :
1. TSU Debris : Observed in Basement Crawl Spaces
 2. Floor tiles : Intact in rooms and halls except missing 4 tiles in north stairwell
 3. Sink Undercoat : None in Room 135

c. Sampling Records

BUILDING 199										
Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response	
199-001	Resilient sheet flooring, brown	Stairs	None detected	N/A	N/A	N/A	N/A			
199-002	Resilient sheet flooring, brown	Stairs	None detected	N/A	N/A	N/A	N/A			
199-003	Resilient sheet flooring, brown	By entrance	None detected	N/A	N/A	N/A	N/A			
199-004	Resilient sheet flooring, brown	South-east room	None detected	N/A	N/A	N/A	N/A			
199-005	Resilient sheet flooring, brown	Supply room	None detected	N/A	N/A	N/A	N/A			
199-006	Resilient sheet flooring, brown	Supply room	None detected	N/A	N/A	N/A	N/A			
199-007	Roofing shingles	Overhang above entrance	None detected	N/A	N/A	N/A	N/A			
199-008	Roofing shingles	Overhang above entrance	None detected	N/A	N/A	N/A	N/A			
199-009	Roofing felt (under roofing shingles)	Overhang above entrance	None detected	N/A	N/A	N/A	N/A			
199-010	Roofing felt (under roofing shingles)	Overhang above entrance	None detected	N/A	N/A	N/A	N/A			
199-011	Roofing shingles	Overhang above window	None detected	N/A	N/A	N/A	N/A			

NOTE:

1) No asbestos-containing materials were identified in any of the samples taken from this building.

82-159

c. Sampling Records

BUILDING 205

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit SF	ACM Condition and Friability	Potential Exposure	Priority	Response
205-001	Resilient floor tile and mastic, 12" x 12", white with brown	Room 5	10% Chrysotile	7,340		Undamaged (nonfriable)	Low		
205-002	Plaster composite	Room 5	None detected	N/A	N/A	N/A	N/A		
205-003	Plaster composite	Room 5	None detected	N/A	N/A	N/A	N/A		
205-004	Carpet mastic	Room 7	None detected	N/A	N/A	N/A	N/A		
205-005	Resilient floor tile, 12" x 12", white with brown	Room 7	None detected	N/A	N/A	N/A	N/A		
205-006	Baseboard, beige	Room 7	None detected	N/A	N/A	N/A	N/A		
205-007	Baseboard mastic	Room 7	None detected	N/A	N/A	N/A	N/A		
205-008	Resilient floor tile, 12" x 12", beige with copper spots	Room 4A	None detected	N/A	N/A	N/A	N/A		
205-009	Baseboard, dark brown	Room 4A	None detected	N/A	N/A	N/A	N/A		
205-010	Baseboard mastic, dark brown	Room 4A	None detected	N/A	N/A	N/A	N/A		
205-011	Pipe joint insulation, 2"OD (elbow)	Room 4A	None detected	N/A	N/A	N/A	N/A		
205-012	Pipe joint insulation, 2"OD (fitting)	Room 4A	None detected	N/A	N/A	N/A	N/A		
205-013	Ceiling panel, 2' x 4', type 4	Room 4A	None detected	N/A	N/A	N/A	N/A		

22-160

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
205-014	Sink undercoat	Room 4C	None detected	N/A	N/A	N/A	N/A		
205-015	Resilient floor tile, 12" x 12", yellow	Room 8A	2% Chrysotile	1,815	SF	Undamaged (nonfriable)	Low		
205-016	Resilient floor tile and mastic, 12" x 12", beige with copper spots	Room 4	None detected	N/A	N/A	N/A	N/A		
205-017	Sink undercoat	Room 8A	None detected	N/A	N/A	N/A	N/A		
205-018	Resilient floor tile, 12" x 12", white with beige streaks	Room 16	5% Chrysotile	5,200	SF	Undamaged (nonfriable)	Low		
205-019	Baseboard, brown	Room 16	None detected	N/A	N/A	N/A	N/A		
205-020	Baseboard mastic	Room 16	None detected	N/A	N/A	N/A	N/A		
205-021	Ceiling panel, 2' x 4', type 3	Room 11	None detected	N/A	N/A	N/A	N/A		
205-022	Resilient sheet flooring, white with brown dots	Room 12B	None detected	N/A	N/A	N/A	N/A		
205-023	Resilient sheet flooring, white with brown dots	Room 12B	None detected	N/A	N/A	N/A	N/A		
205-024	Joint compound	Room 12	None detected	N/A	N/A	N/A	N/A		
205-025	Ceiling panel 2' x 4', type 3	Hallway by room 3	None detected	N/A	N/A	N/A	N/A		
205-026	Ceiling tile mastic	Hallway by room 3	None detected	N/A	N/A	N/A	N/A		
205-027	Resilient floor tile, 12" x 12", multicolor, black, brown spots	Stairwell, basement	Floor tile-none detected (mastic->1% asbestos)	9,355	SF	Undamaged (nonfriable)	Low		

82-161

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
205-028	Ceiling panel, 2' x 4', type 5	Hallway by room 14	None detected	N/A	N/A	N/A	N/A		
205-029	Ceiling panel, 2' x 4', type 5	Hallway by room 14	None detected	N/A	N/A	N/A	N/A		
205-030	Ceiling panel, 2' x 4', type 5	Hallway by room 14	None detected	N/A	N/A	N/A	N/A		
205-031	Ceiling tile and mastic, 12" x 12"	Hallway by room 12	None detected	N/A	N/A	N/A	N/A		
205-032	Ceiling tile and mastic, 12" x 12"	Hallway by room 12	None detected	N/A	N/A	N/A	N/A		
205-033	Resilient floor tile and mastic, 12" x 12", white w/ beige streaks	Room 14	None detected	N/A	N/A	N/A	N/A		
205-034	Carpet mastic	Room 13	None detected	N/A	N/A	N/A	N/A		
205-035	Joint compound	Hallway by room 120	None detected	N/A	N/A	N/A	N/A		
205-036	Baseboard and mastic, dark brown	Hallway by room 120	None detected	N/A	N/A	N/A	N/A		
205-037	Ceiling tile, 12" x 12", type 2	Room 120E	None detected	N/A	N/A	N/A	N/A		
205-038	Ceiling tile, 12" x 12", type 2	Room 120E	None detected	N/A	N/A	N/A	N/A		
205-039	Ceiling tile, 12" x 12", type 2	Room 120E	None detected	N/A	N/A	N/A	N/A		
205-040	Ceiling tile, 12" x 12", type 2	Room 120E	None detected	N/A	N/A	N/A	N/A		
205-041	Ceiling tile, 2' x 4', type 3	Room 120E	None detected	N/A	N/A	N/A	N/A		
205-042	Joint compound	Room 120E (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
205-043	Plaster composite	Room 120E	None detected	N/A	N/A	N/A	N/A		

82-162

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
205-044	Resilient floor tile and mastic, 12" x 12", white w/lt brown	Room 120	None detected	N/A	N/A	N/A	N/A		
205-045	Resilient floor tile and mastic, 12" x 12", white with brown	Room 120	5% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
205-046	Debris (suspect TSI)	Room 9	None detected	N/A	N/A	N/A	N/A		
205-047 / 11-21-95	Pipe run insulation, 2"OD	Room 9	20% Amosite 20% Chrysotile	1	LF	Slightly Damaged (friable)	Low	6	Patch
205-048 / 11-21-95	Pipe joint insulation, 3"OD (elbow)	Room 9	10-20 Amosite 20-35 Chrysotile	1	EA	Slightly Damaged (friable)	Low	6	Patch
205-049 / 11-21-95	Pipe joint insulation, 3"OD (elbow)	Room 9	20% Chrysotile	1	EA	Slightly Damaged (friable)	Low	6	Patch
205-050	Electrical wire insulation	Room 9	None detected	N/A	N/A	N/A	N/A		
205-051	Electrical wire insulation	Room 9	None detected	N/A	N/A	N/A	N/A		
205-052 / 11-21-95	Pipe run insulation, 5"OD	Room 17	10-20% Amosite 30-40% Chrysotile	2	LF	Slightly Damaged (friable)	Low	6	Patch
205-053 / 11-21-95	Pipe run insulation, 5"OD	Room 17	40% Amosite 20% Chrysotile	Ref. sample 052		Slightly Damaged (friable)	Low	6	Patch
205-054 / 11-21-95	Pipe run insulation, 5"OD	Room 17	10-20% Amosite 30-40% Chrysotile	Ref. sample 052		Slightly Damaged (friable)	Low	6	Patch
205-055	Resilient floor tile, 12" x 12", white with beige	Stairwell, first floor	None detected	N/A	N/A	N/A	N/A		

82-163

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
205-056	Resilient floor tile and mastic, 12" x 12", multicolor, black, brown spots	Room 123	None detected	N/A	N/A	N/A	N/A		
205-057	Resilient floor tile and mastic, 12" x 12", white w/beige streaks	Room 223	Floor tile-none detecte (mastic->1% asbestos)	2,500	SF	Undamaged (nonfriable)	Low		
205-058	Resilient floor tile and mastic, 12" x 12", beige w/copper streaks	Hallway by room 207	5% Chrysotile (mastic->1% asbestos)	Ref. sample 018		Undamaged (nonfriable)	Low		
205-059	Resilient floor tile and mastic, 12" x 12", white w/beige streaks	Room 214	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 057		Undamaged (nonfriable)	Low		
205-060	Resilient floor tile and mastic, 12" x 12", multicolor, black, brown spots	Room 214	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 027		Undamaged (nonfriable)	Low		
205-061	Resilient floor tile and mastic, 12" x 12", gray w/white and tan streaks	Room 212	None detected	N/A	N/A	N/A	N/A		
205-062	Resilient floor tile and mastic, 12" x 12", gray w/white and tan streaks	Room 218	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 018		Undamaged (nonfriable)	Low		
205-063	Resilient floor tile and mastic, 12" x 12", multicolor, black, brown spots	Room 218	Floor tile-none detecte (mastic->1% asbestos)	500	SF	Undamaged (nonfriable)	Low		
205-064	Resilient sheet flooring, grey	Room 216	None detected	N/A	N/A	N/A	N/A		
205-065	Resilient sheet flooring, grey	Room 215	None detected	N/A	N/A	N/A	N/A		
205-066	Resilient sheet flooring, grey	Room 215	None detected	N/A	N/A	N/A	N/A		
205-067	Resilient floor tile and mastic, white with brown	Room 235	None detected	N/A	N/A	N/A	N/A		

82-164

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit and Friability	ACM Condition Exposure Potential	Priority	Response
205-068	Baseboard and mastic, 3" high, brown	Room 231A	None detected	N/A	N/A	N/A	N/A	N/A
205-069	Baseboard and mastic, 3" high, brown	Hallway by room 235	None detected	N/A	N/A	N/A	N/A	N/A
205-070	Plaster composite	Hallway by room 235	None detected	N/A	N/A	N/A	N/A	N/A
205-071	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID
205-072	Baseboard, 5" high, dark brown	Room 223	None detected	N/A	N/A	N/A	N/A	N/A
205-073	Ceiling panel, 2' x 4', type 3	Room 223	None detected	N/A	N/A	N/A	N/A	N/A
205-074	Ceiling panel, 2' x 4', type 2	Hallway by rm. 207	None detected	N/A	N/A	N/A	N/A	N/A
205-075	Ceiling panel, 2' x 4', type 1	Hallway by rm. 207	None detected	N/A	N/A	N/A	N/A	N/A
205-076	Plaster composite	Hallway by rm. 209	None detected	N/A	N/A	N/A	N/A	N/A
205-077	Resilient floor tile and mastic, 12" x 12", yellow	Room 8	None detected	N/A	N/A	N/A	N/A	N/A
205-078	Joint compound	Room 12B	None detected	N/A	N/A	N/A	N/A	N/A
205-079	Exterior stucco	West side, near HVAC equipment	None detected	N/A	N/A	N/A	N/A	N/A
205-080	Pipe joint insulation, 3" OD (elbow)	Exterior, west side, at HVAC equipment	None detected	N/A	N/A	N/A	N/A	N/A
205-081	Pipe run insulation, 3" OD	Exterior, west side, at HVAC equipment	None detected	N/A	N/A	N/A	N/A	N/A

82-165

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
205-082	Pipe joint insulation, 2" OD (elbow)	Exterior, east side, near HVAC equipment	None detected	N/A	N/A	N/A	N/A		
205-083	Exterior stucco	East side	None detected	N/A	N/A	N/A	N/A		
205-084	Exterior stucco	South side	None detected	N/A	N/A	N/A	N/A		
205-085	REMOVED	-	-	-	-	-	-	-	-
205-086	Pipe run insulation, 2" OD	Basement, mechanical room	None detected	N/A	N/A	N/A	N/A		
205-087	Pipe run insulation, 2" OD	Basement, mechanical room	None detected	N/A	N/A	N/A	N/A		
205-088	Ceiling tile, 12" x 12", brown, type 5	Basement, mechanical room	None detected	N/A	N/A	N/A	N/A		
205-089	Ceiling tile, 12" x 12", brown, type 5	Basement, mechanical room	None detected	N/A	N/A	N/A	N/A		
205-090	Ceiling tile, 12" x 12", brown, type 5	Basement, mechanical room	None detected	N/A	N/A	N/A	N/A		
205-091	Debris (suspect TSI) on pipe run insulation, 12" OD)	Basement, mechanical room	None detected	N/A	N/A	N/A	N/A		
205-092	Debris (suspect TSI) on pipe run insulation, 12" OD)	Basement, mechanical room	None detected	N/A	N/A	N/A	N/A		
205-093	Debris (suspect TSI) on pipe run insulation, 12" OD)	Basement, mechanical room	None detected	N/A	N/A	N/A	N/A		

82-166

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
205-094	Exterior stucco	South side	None detected	N/A	N/A	N/A	N/A		
205-095	Pipe run insulation and lagging	Basement, electrical room	None detected	N/A	N/A	N/A	N/A		
205-096	Pipe run insulation and lagging	Basement, electrical room	None detected	N/A	N/A	N/A	N/A		
205-097	Pipe joint insulation, 8"OD, (elbow)	Basement, crawl space below pool	None detected	N/A	N/A	N/A	N/A		
205-098 / 11-20-95	Debris (suspect TSI on pipe run insulation, 8" OD)	Basement, crawl space below pool	5-15% Amosite 25-40% Chrysotile	5	SF	Significantly damaged (friable)	Moderate	3	Remove
205-099	Pipe joint insulation, 8"OD, (elbow)	Basement, crawl space below pool	None detected	N/A	N/A	N/A	N/A		
205-100	Exterior stucco	West side	None detected	N/A	N/A	N/A	N/A		
205-101	Exterior stucco	North side	3-9% Chrysotile	Ref. Note #4		Undamaged (nonfriable)	Low		
205-102	Exterior stucco	West side	None detected	N/A	N/A	N/A	N/A		
205-103	Resilient floor tile and mastic, 12" x 12", white with brown	Hallway by room 4	None detected	N/A	N/A	N/A	N/A		
205-104	Pipe joint insulation, 4" OD (elbow)	Room 3	None detected	N/A	N/A	N/A	N/A		
205-105	Pipe joint insulation, 4" OD (elbow)	Room 3	None detected	N/A	N/A	N/A	N/A		

82-167

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
205-106	Pipe joint insulation, 4" OD (elbow)	Room 3	None detected	N/A	N/A	N/A	N/A		
205-107	Pipe joint insulation, 3" OD (elbow)	Room 3	None detected	N/A	N/A	N/A	N/A		
205-108	Pipe joint insulation, 3" OD (elbow)	Room 3	None detected	N/A	N/A	N/A	N/A		
205-109	Pipe joint insulation, 3" OD (elbow)	Room 3	None detected	N/A	N/A	N/A	N/A		
205-110	Plaster composite	Room 3	None detected	N/A	N/A	N/A	N/A		
205-111	Plaster composite	Room 3C	None detected	N/A	N/A	N/A	N/A		
205-112	Plaster composite	Hallway by room 207	5-10% Chrysotile	770	SF	Undamaged (nonfriable)	Low		
205-113	Plaster composite	Room 221	None detected	N/A	N/A	N/A	N/A		
205-114	Pipe run insulation, 3" OD	Room 16	None detected	N/A	N/A	N/A	N/A		
205-115	Pipe run insulation, 4" OD	Room 16	None detected	N/A	N/A	N/A	N/A		
205-116	Pipe run insulation, 3" OD	Room 16	None detected	N/A	N/A	N/A	N/A		
205-117/ 11-21-95	Pipe run insulation, 4" OD	Room 16	3-8% Chrysotile	20	LF	Slightly Damaged (friable)	Low	6	Patch
205-118/ 11-21-95	Pipe joint insulation, 3" OD (elbow)	Room 16	15-25% Amosite 20-35% Chrysotile	8	EA	Slightly Damaged (friable)	Low	6	Patch

82-168

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
205-119/ 11-21-95	Pipe joint insulation, 4" OD (elbow)	Room 16	15-30% Amosite 30-45% Chrysotile	8	EA	Slightly Damaged (friable)	Low	6	Patch
205-120/ 11-21-95	REMOVED								
205-121	Plaster composite	Hallway by room 207	3-8% Chrysotile	Ref. sample 112		Undamaged (nonfriable)	Low		
205-122	Plaster composite	Hall by west stairwel	None detected	N/A	N/A	N/A	N/A		
205-123	Plaster composite	Hallway by rm. 223	None detected	N/A	N/A	N/A	N/A		
205-124	Exterior stucco	North side	None detected	N/A	N/A	N/A	N/A		
205-125	Exterior stucco	North side	None detected	N/A	N/A	N/A	N/A		
205-126	Exterior stucco	East side	None detected	N/A	N/A	N/A	N/A		
205-127	Plaster composite	Hallway by room 252	None detected	N/A	N/A	N/A	N/A		
205-128	Plaster composite	Hallway by room 253	None detected	N/A	N/A	N/A	N/A		
205-129/ 11-21-95	Debris (suspect TSI) Mixed with non suspect debris	Room 14	30% Amosite 20% Chrysotile	5	SF	Significantly damaged (friable)	High	3	Remove
205-130/ 11-21-95	Debris (suspect TSI) Very small amount	Room 14B	30% Amosite 20% Chrysotile	1	SF	Significantly damaged (friable)	High	3	Remove
205-131	Exterior stucco	Northwest side	None detected	N/A	N/A	N/A	N/A		

B2-169

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
205-132	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A	N/A	N/A		
205-133	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A	N/A	N/A		
205-134 / 11-28-95	Pipe run insulation, 3" OD (at pipe end)	Southwest pipe basement	25% Amosite 25% Chrysotile	60	LF	Damaged (friable)	Moderate	4	Patch
205-135 / 11-28-95	Pipe joint insulation, 3" OD (elbow)	Southwest pipe basement	25% Amosite 25% Chrysotile	15	EA	Damaged (friable)	Low	5	Patch

NOTES:

- 1) Ref. 205-052, 053 and 054. Only two linear feet of pipe was visible. The additional piping runs above the plaster ceiling, which makes it impossible to quantify without destructive sampling.
- 2) Ref. 205-047 to 049/052 to 054/117 to 119. Based on these samples, estimated amounts of ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Ref. Samples 205-085, 098, 120. Debris is scattered throughout. Total quantification is a very loose approximation.
- 4) Ref. 205-079/083/094/100 to 102/124 to 126/131. Of all the exterior stucco samples taken, sample 101 was the only sample which tested positive for asbestos content. Resampling of the same location provides a negative result. We suspect that sample 101 was accidentally contaminated and does not represent the existing material composition. Therefore no quantity of exterior stucco has been included in Section b. Material and Cost Data.
- 5) Ref. samples 205-02/03/043/070/076/110 to 113/121 to 123/127/128. Of various plaster composite samples taken in the second floor, sample 112 was the only positive for asbestos content. The immediate area was resampled, and only sample 121, which was taken in the immediate vicinity of previous sample 112, was positive for asbestos content. Based on the comprehensive sampling of the area, only the immediate wall (approx. 770 square feet) is positive for asbestos-content.
- 6) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 7) Ref. 205-071. Due to misplacement or duplications, some samples have been voided.
- 8) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.)

which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transite piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.

9) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM;

or if visually confirmed to be fiberglass, rubber or cork; or if further sampling results show non detection for asbestos.

10) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-GLAHS BUILDING 205
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN K. SPIVEY**

November 8, 2002

November 8, 2002
Contract No. V691P-6501 Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
Bldg. 218, Room 328
11301 Wilshire Boulevard
Los Angeles, CA 90073

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
BUILDING NO 205, VA-GLAHS WEST LA
11301 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073**

Environmental Engineering, Inc. on behalf of the United States Department of Veterans Affairs, reinspected the asbestos containing materials (ACM) in Building 205 of the USVA-Greater Los Angeles Healthcare System (GLAHS) in Los Angeles, California. Mr. James Spencer, Mr. Roman Akeh and Dr. Zainul Abedin of Environmental Engineering, Inc. performed the asbestos inspection at the Site on October 25, 2002. Mr. James Spencer (CAC#92-0368) and Mr. Roman Akeh (CAC #93-1176) are California asbestos consultants and Dr. Zainul Abedin is an asbestos building inspector and management planner and an accredited Lead Inspector, Risk Assessor and a Lead Supervisor (I/S-1151) in the State of California.

Environmental Engineering Inc. performed the survey of the site structures to identify, assess, and sample suspect ACM at the Site, and to recommend, if necessary, appropriate response actions upon the findings of the survey. The survey consisted of a walk-through of the accessible areas, visual observation for the presence of potential ACM and sampling of presumed asbestos containing materials, and conditional reassessment of the known ACMs. Flooring, ceiling, carpet mastic, cove base, wall plaster, exterior stucco plaster, joint compounds, sink undercoat, HVAC duct canvas tape and vibration damper, thermal system insulation (TSI) on pipes, elbows, joints, ducts and debris and roofing felt were formerly sampled and tested. Friable asbestos was found in the following materials throughout the building:

- 2"Φ Pipe & Fitting Insulations
- 3"Φ Pipe & Fitting Insulations
- 4"Φ Pipe & Fitting Insulations
- 5"Φ Pipe & Fitting Insulations
- TSI Debris

Non-friable asbestos was found in the following materials throughout the building:

- 12"X12" Resilient Floor Tile & Mastic
- Plaster Composite & Exterior Stucco Plaster

Some of these known asbestos containing materials were removed from the Building 205 since 1996. These abated materials are summarized in Table 1.

The conditions of the remaining asbestos-containing materials were visually observed and re-assessed for management response actions. Based on the findings of this reinspection, slightly damaged pipe insulations and TSI debris remained in basement room 1, while TSI debris were removed from room 14, 14B and the basement mechanical crawl spaces. In addition, damaged ceiling insulations were observed and sampled in the basement that contained no asbestos. These materials are included in Bulk Sample Summary at the end of the report. Other known friable pipe and fitting insulations remained intact in rooms 9, 14, 16 and 17. Non-friable floor tiles, plaster composite and exterior stucco plaster remained undamaged. The results of this survey are summarized in Table 2 with recommended management response actions.

Environmental Engineering, Inc. conducted the asbestos inspection in accessible areas of the Site. Other conditions may exist in inaccessible areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. This survey was performed in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature. If you have any questions concerning the methodology or the results of this survey, please contact us at (818) 547-1330.

Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,



Zainul Abedin, PhD, REA
Project Manager

Table 1 : Asbestos Abatement in Building 205

Date	Asbestos Containing Materials	Locations/Rooms	Quantity
08/23/02	Pipe Insulations & Debris	EOC Laboratory	40 ft ²
Others	TSI/Debris	14, 14B, North & East Crawl Spaces, Mechanical Room	

**Table 2 : BUILDING 205, VA-GLAHS
ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 10/25/02

Materials	Locations/Rooms	ACM Condition	Friability	Potential Exposure	Priority	Response
2" @ Pipe & Fitting Insulations	9	Undamaged	Yes	Low	7	Maintain
3" @ Pipe & Fitting Insulations	9	Undamaged	Yes	Low	7	Maintain
4" @ Pipe & Fitting Insulations	14, 15	Undamaged	Yes	Low	6	Patch
5" @ Pipe & Fitting Insulations	17	Undamaged	Yes	Low	6	Patch
TSU Debris	Wall Pipes in Basement Rooms 1	Damaged	Yes	Moderate	3	Patch
12"x12" Floor Tile Mastic	5, 8A, 16, 120, 207 Hall, 214, 218, 223, Basement Stairwell	Undamaged	No	Low	7	Maintain
Plaster Composite	207 Hall	Undamaged	No	Low	7	Maintain
Exterior Stucco Plaster	North Side	Undamaged	No	Low	7	Maintain

Notes : 1. No TSI debris in Room 14, 14B and Mechanical Crawl Spaces
2. 12"x12" Floor tiles : Intact in rooms, halls and stairwells.

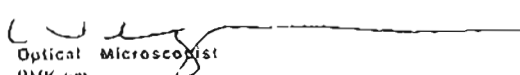
Bulk Sample Summary

Survey Date	Sample Number	Materials Description	Material Locations/Room	Laboratory Results	ACM Quantity	Unit	Condition	Potential Exposure	Priority	Response
10/25/02	02-10BUA205-01	Ceiling Packing Insulations	Basement Rm SE Corner	None Detected	-	-	-	-	-	-
10/25/02	02-11BUA205-02	Ceiling Packing Insulations	Basement Rm SE Corner	None Detected	-	-	-	-	-	-
10/25/02	02-11BUA205-03	Ceiling Packing Insulations	Basement Rm SE Corner	None Detected	-	-	-	-	-	-

REPORT NO: 82599 **CLIENT:** ENVIRONMENTAL ENGINEERING
DATE: Nov 1, 2002 **715 N. CENTRAL AVE., STE 212**
GLLENDALE, CA 91203
DATE RECEIVED: Oct 25, 2002 **ATTENTION:** DR. ZAINUL ABEDIN
DATE ANALYZED: Nov 1, 2002 **REFERENCE:** BLDG. 205 VA-GLAHS
DATE / TIME COLLECTED: 10/25/02 BY DR. ZAINUL ABEDIN
SUBJECT: Polarized Light Microscopy Analysis for Asbestos; 3 Samples
METHODOLOGY: "Method for Determination of Asbestos in Bulk Building Materials."
EPA 800/R-93/116
ACCREDITED: National Institute of Standards and Technology (NVLAP) #101218
CERTIFIED: California Department of Health Services Environmental Testing Laboratory ELAP 1118,
County Sanitation Districts of Los Angeles County, Laboratory Identification No. 10120

QUALITY CONTROL SAMPLE (SRM 1866 GLASS FIBERS AS THE BLANK): NONE DETECTED

SAMPLE ID NUMBER	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS MATERIALS	NON-FIBROUS MATERIALS
02-10BUA205-01	NON-FRIABLE	BROWN CORK	NONE DETECTED	CELLULOSE - LESS THAN 1%	CORK
02-10BUA205-02	NON-FRIABLE	BROWN CORK	NONE DETECTED	CELLULOSE - LESS THAN 1%	CORK
02-10BUA205-03	NON-FRIABLE	BROWN CORK	NONE DETECTED	CELLULOSE - LESS THAN 1%	CORK


Optical Microscopist
BMK gm


B.M. Kolk, Laboratory Director

The EPA method is a semi-quantitative procedure. The detection limit is between 1.10 to 1 percent by area and is dependent upon the size of the asbestos fibers, the means of sampling and the matrix of the sampled material.

The test results reported are for the sample or samples delivered to us and may not represent the entire material from which the sample was taken. The EPA recommends three samples or more be taken of a "homogeneous sampling area" before friability is considered non-asbestos-containing.

The report, from a NIST accredited laboratory through NVLAP, must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.

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The sample and the sample analysis data reported herein are the property of the client. They are to be used only for the purpose for which they were collected by EMS Laboratories, Inc. Any detection or identification of asbestos shall be reported to the EPA Federal Register, Vol. 67, No. 110.

82-178

SUBMITTAL FORM/Laboratory Services

82599

PAGE 1 OF 1

TURNAROUND TIME: STD 48 HR. 24 HR.
 8 HR. WKND OTHER:

RELINQUISHED BY Zainul
 TIME / DATE 10/25/02

CLIENT ENVIRONMENTAL ENGINEERING, INC.
 ADDRESS 15 N. CENTRAL AVE., STE 212
GLENDALE, CA 91203
 TELEPHONE 818-547-1330
 CONTACT DR. ZAINUL ABEDIN

DATE OF SHIPMENT 10/25 CARRIER Airbor-Exp
 CLIENT P.O. NO. _____
 CLIENT JOB/PROJECT ID NO(S). Bldg 205 VA-GLATS
 PACKAGE SHIPPED FROM _____

RESULTS REQUESTED VIA VERBAL FAX CLIENT FAX NO. 818-547-1331
(NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verbal or fax results.)

DATE/TIME OF SAMPLE COLLECTION 10/25/02

SAMPLE PRESERVATIVES _____ HOLDING TIMES _____
 NO. OF SAMPLES SENT 3 SAMPLER'S NAME James Spiner / Zainul Abedin
SIGNATURE PRINTED

TYPE: WATER WASTE WATER SOIL FILTER SORBENT TUBE IMPINGER OTHER bulk

(FOR EMS ONLY)

EMS Sample No.	CLIENT SAMPLE NO.	DESCRIPTION-LOCATION	ANALYSIS	VOLUME TIME WEIGHT IF APPLICABLE
<u>82599-1</u>	<u>02-10BUA205-01</u>	<u>Bldg 205 Basement</u>	<u>PLM</u>	<u>Bulk</u>
<u>-2</u>	<u>" -02</u>	<u>"</u>	<u>"</u>	<u>"</u>
<u>-3</u>	<u>" -03</u>	<u>"</u>	<u>"</u>	<u>"</u>

82599

FOR E ONLY (SF 5/00)

Laboratory No. _____ Received By _____ Time 7:00 PM
 Date of Package Delivery 10-25-02 Shipping Bill Retained: YES NONE

Condition of Package on Receipt Good Condition of Custody Seal _____
(NOTE: If the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and the shipper.)

No. of Samples 3 Chain-of-Custody Signature _____
 Date of Acceptance into Sample Bank 10-25-02 Misc. Info. 82-17A
 Disposition of Samples EMS LABS.

c. Sampling Records

BUILDING 206

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
206-001	Flexible connector/vibration dampe	Exterior wall, east side, by A/C unit	None detected	N/A	N/A	N/A	N/A		
206-002	Flexible connector/vibration dampe	Exterior wall, east side, by A/C unit	None detected	N/A	N/A	N/A	N/A		
206-003	Exterior stucco	East side	None detected	N/A	N/A	N/A	N/A		
206-004	Exterior stucco	South side	3-8% Chrysotile	32,000	SF	Undamaged (nonfriable)	Low		
206-005	Duct tape (canvas)	Exterior, south side at HVAC equipment	None detected	N/A	N/A	N/A	N/A		
206-006	Duct tape (canvas)	Exterior, south side at HVAC equipment	None detected	N/A	N/A	N/A	N/A		
206-007	Duct tape (canvas)	Exterior, south side at HVAC equipment	None detected	N/A	N/A	N/A	N/A		
206-008	Flexible connector/vibration dampe	Exterior, south side at HVAC equipment	None detected	N/A	N/A	N/A	N/A		
206-009	Flexible connector/vibration dampe	Exterior, south side at HVAC equipment	None detected	N/A	N/A	N/A	N/A		
206-010	Exterior stucco	West side	5-12% Chrysotile	Ref. sample 004	004	Undamaged (nonfriable)	Low		

82-180

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
206-011	Exterior atucco	Northwest side	5-10% Chrysotile	Ref. sample 004		Undamaged (nonfriable)	Low		
206-012	Joint compound	Pipe chase by rm. 11	None detected	N/A	N/A	N/A	N/A		
206-013	Joint compound	Pipe chase by rm. 11	None detected	N/A	N/A	N/A	N/A		
206-014	Sprayed-on fireproofing material, grey	Room 41 (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
206-015	Sprayed-on fireproofing material, grey	Room 41 (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
206-016	Sprayed-on fireproofing material, grey	Room 41 (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
206-017	Joint compound	Room 41	None detected	N/A	N/A	N/A	N/A		
206-018	Joint compound	Room 41	None detected	N/A	N/A	N/A	N/A		
206-019	Pipe joint insulation, 8" OD (elbow)	Hallway by room 41 (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
206-020	Pipe run insulation, 8" OD	Hallway by room 41 (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
206-021	Pipe run insulation, 8" OD	Hallway by room 41 (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
206-022	Sprayed-on fireproofing material	Basement, across from room 22, where pipe enters wall	None detected	N/A	N/A	N/A	N/A		

82-181

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
206-023	Penetration mastic	Basement, hallway b elevator (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
206-024	Resilient floor tile and mastic, 12" x 12", tan with brown and orange flecks	Room 102, lobby	None detected	N/A	N/A	N/A	N/A		
206-025	Resilient floor tile and mastic, 12" x 12", tan with brown streaks	Room 102, lobby (below sample # 024)	None detected	N/A	N/A	N/A	N/A		
206-026	Baseboard and mastic, 5" high, brow	Room 102, lobby	None detected	N/A	N/A	N/A	N/A		
206-027	Resilient floor tile and mastic, 12" x 12", tan with brown streaks	Stairwell, 1st floor (near exit), west wing	None detected	N/A	N/A	N/A	N/A		
206-028	Plaster composite	Hallway, west wing	None detected	N/A	N/A	N/A	N/A		
206-029	Ceiling panel, 2' x 4', type 3	Main hallway	None detected	N/A	N/A	N/A	N/A		
206-030	Ceiling panel, 2' x 4', type 1	Main hallway	None detected	N/A	N/A	N/A	N/A		
206-031	Ceiling panel, 2' x 4', type 2	Main entrance	None detected	N/A	N/A	N/A	N/A		
206-032	Ceiling panel, 2' x 4', type 4	Main entrance	None detected	N/A	N/A	N/A	N/A		
206-033	Baseboard, 3" high, tan	Room 133	None detected	N/A	N/A	N/A	N/A		
206-034	Plaster composite	Stairwell, east wing	None detected	N/A	N/A	N/A	N/A		
206-035	Resilient floor tile, 12" x 12", yellow with tan specks	Room 105	5% Chrysotile	100	SF	Undamaged (nonfriable)	Low		
206-036	Resilient floor tile, 12" x 12", yellow with tan specks	Room 105	None detected	N/A	N/A	N/A	N/A		

82-182

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
206-037	Resilient floor tile, 12" x 12", tan with brown, white and red streaks	Room 110	2% Chrysotile	580	SF	Undamaged (nonfriable)	Low		
206-038	Resilient floor tile, 12" x 12", tan with brown, white and red streaks	Room 110	Floor tile-none detected (mastic->1% asbestos)	Ref. Sample 037		Undamaged (nonfriable)	Low		
206-039	Baseboard and mastic, 3" high, tan	Room 110	None detected	N/A	N/A	N/A	N/A		
206-040	Plaster composite	Room 110	None detected	N/A	N/A	N/A	N/A		
206-041	Joint compound	Room 110 (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
206-042	Joint compound	Room 110 (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
206-043	Joint compound	Room 110	None detected	N/A	N/A	N/A	N/A		
206-044	Resilient floor tile, 12" x 12", tan with grey and white specks	Hallway by west exit	None detected	N/A	N/A	N/A	N/A		
206-045	Resilient floor tile, 12" x 12", tan with brown streaks	Room 114	2% Chrysotile	8,620	SF	Undamaged (nonfriable)	Low		
206-046	Resilient floor tile, 12" x 12", tan with brown streaks	Room 114	None detected	N/A	N/A	N/A	N/A		
206-047	Resilient sheet flooring, yellow	Room 115	None detected	N/A	N/A	N/A	N/A		
206-048	Resilient sheet flooring, yellow	Room 115	None detected	N/A	N/A	N/A	N/A		
206-049	Resilient sheet flooring, yellow	Room 115	None detected	N/A	N/A	N/A	N/A		
206-050	Ceiling panel, 2' x 4', type 5	Room 117	None detected	N/A	N/A	N/A	N/A		

82-183

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
206-051	Ceiling panel, 2' x 4', type 5	Hallway by room 115	None detected	N/A	N/A	N/A	N/A		
206-052	Ceiling panel, 2' x 4', type 6	Room 125 (telephone room)	None detected	N/A	N/A	N/A	N/A		
206-053	Ceiling panel, 2' x 4', type 6	Room 125 (telephone room)	None detected	N/A	N/A	N/A	N/A		
206-054	Ceiling panel, 2' x 4', type 7	Room 241	None detected	N/A	N/A	N/A	N/A		
206-055	Ceiling panel, 2' x 4', type 7	Room 241	None detected	N/A	N/A	N/A	N/A		
206-056	Resilient floor tile, 12" x 12", tan with grey and white specks	Hallway by east stairwell	None detected	N/A	N/A	N/A	N/A		
206-057	Resilient floor tile, 12" x 12", white with long grey streaks	Hallway by east stairwell	2% Chrysotile (mastic-none detected)	1,880	SF	Undamaged (nonfriable)	Low		
206-058	Resilient floor tile, 12" x 12", white with long grey streaks	Hallway by east stairwell	3-8% Chrysotile (mastic->1% asbestos)	Ref. Sample 057		Undamaged (nonfriable)	Low		
206-059	Resilient floor tile, 12" x 12", white with long grey streaks	Room 249	1-5% Chrysotile (mastic->1% asbestos)	Ref. Sample 057		Undamaged (nonfriable)	Low		
206-060	Baseboard, 3" high, tan	Hall by east stairwell	None detected	N/A	N/A	N/A	N/A		
206-061	Resilient floor tile, 12" x 12", white with brown streaks	East stairwell	5% Chrysotile (mastic-none detected)	10,700	SF	Undamaged (nonfriable)	Low		
206-062	Baseboard, 3" high, tan	Hall by room 250	None detected	N/A	N/A	N/A	N/A		
206-063	Baseboard, 5" high, brown	Room 236	None detected	N/A	N/A	N/A	N/A		

82-184

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
206-064	Plaster composite	Room 236 (wall)	None detected	N/A	N/A	N/A	N/A		
206-065	Ceiling panel, 2' x 4', type 7	Room 236	None detected	N/A	N/A	N/A	N/A		
206-066	Resilient floor tile, 12" x 12", grey	Room 225	None detected	N/A	N/A	N/A	N/A		
206-067	Resilient floor tile, 12" x 12", grey	Room 225	None detected	N/A	N/A	N/A	N/A		
206-068	Baseboard, 5" high, beige	Room 255	None detected	N/A	N/A	N/A	N/A		
206-069	Baseboard, 5" high, beige	Room 229	None detected	N/A	N/A	N/A	N/A		
206-070	Plaster composite	Room 229 (wall)	None detected	N/A	N/A	N/A	N/A		
206-071	Ceiling panel, 2' x 4', type 2	Hallway by room 227	None detected	N/A	N/A	N/A	N/A		
206-072	Joint compound	Hallway by room 227	None detected	N/A	N/A	N/A	N/A		
206-073	Baseboard, 5" high, cream	Room 215	None detected	N/A	N/A	N/A	N/A		
206-074	Ceiling panel, 2' x 4', type 1	Room 212	None detected	N/A	N/A	N/A	N/A		
206-075	Joint compound	Room 212 (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
206-076	Resilient floor tile, 12" x 12", tan with grey and white specks	Hallway, west wing, bldg exit	3-8% Chrysotile (mastic-none detected)	670	SF	Undamaged (nonfriable)	Low		
206-077	Ceiling panel, 2' x 4', type 4	Room 210	None detected	N/A	N/A	N/A	N/A		
206-078	Baseboard, 5" high, brown	Room 203	None detected	N/A	N/A	N/A	N/A		
206-079	Resilient floor tile, 12" x 12", white with brown streaks	Stairwell, west wing	2-7% Chrysotile (mastic-none detected)	Ref. sample 061	061	Undamaged (nonfriable)	Low		

82-185

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
206-080	Resilient floor tile, 12" x 12", white with brown streaks	Room 227, by hallway exit	5-10% Chrysotile (mastic-none detected)	Ref. sample 061	N/A	Undamaged (nonfriable)	Low		
206-081	Baseboard, 3" high, brown	Hallway, east wing, basement	None detected	N/A	N/A	N/A	N/A		
206-082	Duct tape (canvas)	Attic	None detected	N/A	N/A	N/A	N/A		
206-083	Duct tape (canvas)	Attic	None detected	N/A	N/A	N/A	N/A		
206-084	Duct tape (canvas)	Attic	None detected	N/A	N/A	N/A	N/A		
206-085	Deck sealant material	Attic (floor)	None detected	N/A	N/A	N/A	N/A		
206-086	Deck sealant material	Attic (floor)	None detected	N/A	N/A	N/A	N/A		
206-087	Cement overlay	Attic	None detected	N/A	N/A	N/A	N/A		
206-088	Cement overlay	Attic	None detected	N/A	N/A	N/A	N/A		
206-089	Cement overlay	Attic	None detected	N/A	N/A	N/A	N/A		
206-090	Flexible connector/vibration damper orange	Attic	None detected	N/A	N/A	N/A	N/A		
206-091	Resilient sheet flooring, green	Elevator	30-40% Chrysotile (mastic-none detected)	40	SF	Undamaged (nonfriable)	Low		
206-092	Resilient sheet flooring, green	Elevator	None detected	N/A	N/A	N/A	N/A		
206-093	Resilient sheet flooring, green	Elevator	25-40% Chrysotile (mastic-none detected)	Ref. sample 091	N/A	Undamaged (nonfriable)	Low		

82-186

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
206-094	Resilient floor tile, 12" x 12", brown	Elevator lobby, ground floor	2% Chrysotile (mastic->1% asbestos)	150	SF	Undamaged (nonfriable)	Low		
206-095	Resilient floor tile, 12" x 12", brown	Elevator lobby, ground floor	Floor tile- none detected (mastic->1% asbestos)	Ref. sample 094		Undamaged (nonfriable)	Low		
206-096	Resilient floor tile, 12" x 12", brown	Elevator lobby, ground floor	Floor tile- none detected (mastic->1% asbestos)	Ref. sample 094		Undamaged (nonfriable)	Low		
206-097	Ceiling panel, 2' x 4', type 5	Elevator lobby, ground floor	None detected	N/A	N/A	N/A	N/A		
206-098	Resilient floor tile, 12" x 12", beige with small brown dots	East corridor, basement	2% Chrysotile (mastic- none detected)	1,100	SF	Undamaged (nonfriable)	Low		
206-099	Resilient floor tile, 12" x 12", beige with small brown dots	East corridor, basement	None detected	N/A	N/A	N/A	N/A		
206-100	Resilient floor tile, 12" x 12", beige with small brown dots	East corridor, basement	Floor tile- none detected (mastic->1% asbestos)	Ref. sample 098		Undamaged (nonfriable)	Low		
206-101	Flexible connector/vibration damper orange	Attic	None detected	N/A	N/A	N/A	N/A		
206-102	Flexible connector/vibration damper black	Attic	None detected	N/A	N/A	N/A	N/A		
206-103	Flexible connector/vibration damper black	Attic	None detected	N/A	N/A	N/A	N/A		
206-104	Pipe joint insulation, 3" OD (elbow)	Pipe chase near room 234A	40% Amosite 20% Chrysotile	6	EA	Damaged (friable)	High		

82-187

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
206-105	Pipe joint insulation, 3" OD (elbow)	Pipe chase near room 234A	30-50% Amosite 5-10% Chrysotile	Ref. sample 104	104	Damaged (friable)	High		
206-106	Pipe joint insulation, 3" OD (elbow)	Pipe chase near room 234A	30-40% Amosite 15-25% Chrysotile	Ref. sample 104	104	Damaged (friable)	High		
206-107	Pipe run insulation, 3" OD	Pipe chase near room 234A	20% Chrysotile	15	LF	Damaged (friable)	High		
206-108	Pipe run insulation, 3" OD	Pipe chase near room 234A	None detected	N/A	N/A	N/A	N/A		
206-109	Pipe run insulation, 3" OD	Pipe chase near room 234A	None detected	N/A	N/A	N/A	N/A		
206-110	Patching compound	Pipe chase adjacent to room 244	None detected	N/A	N/A	N/A	N/A		
206-111	Patching compound	Pipe chase adjacent to room 244	None detected	N/A	N/A	N/A	N/A		
206-112	Patching compound	Pipe chase adjacent to room 244	None detected	N/A	N/A	N/A	N/A		
206-113	Duct tape (canvas)	Pipe chase adjacent to room 244	None detected	N/A	N/A	N/A	N/A		
206-114	Duct tape (canvas)	Pipe chase adjacent to room 244	None detected	N/A	N/A	N/A	N/A		
206-115	Duct tape (canvas)	Pipe chase adjacent to room 244	None detected	N/A	N/A	N/A	N/A		

22-188

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	ACM Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
206-116	Pipe end plaster material	Pipe chase adjacent to room 214	None detected	N/A	N/A	N/A	N/A		
206-117	Pipe end plaster material	Pipe chase adjacent to room 214	None detected	N/A	N/A	N/A	N/A		
206-118	Patching compound	Pipe chase adjacent to room 214	None detected	N/A	N/A	N/A	N/A		
206-119	Patching compound	Pipe chase adjacent to room 214	None detected	N/A	N/A	N/A	N/A		
206-120	Debris (suspect ceiling panel)	Pipe chase adjacent to room 214	None detected	N/A	N/A	N/A	N/A		
206-121	Debris (suspect ceiling panel)	Pipe chase adjacent to room 214	None detected	N/A	N/A	N/A	N/A		
206-122	Debris (suspect ceiling panel)	Pipe chase adjacent to room 214	None detected	N/A	N/A	N/A	N/A		
206-123	Canvas tape	Pipe chase adjacent to room 214	None detected	N/A	N/A	N/A	N/A		
206-124	Canvas tape	Pipe chase adjacent to room 214	None detected	N/A	N/A	N/A	N/A		
206-125	Baseboard, 3" high, grey	Room 132	None detected	N/A	N/A	N/A	N/A		
206-126	Baseboard, 3" high, grey	Room 132	None detected	N/A	N/A	N/A	N/A		
206-127	Baseboard, 5" high, grey	Room 132	None detected	N/A	N/A	N/A	N/A		

82-189

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
206-128	Baseboard, 5" high, grey	Room 132	None detected	N/A	N/A	N/A	N/A	-	-
206-129/ 01-02-96	REMOVED	-	-	-	-	-	-	-	-
206-130/ 01-02-96	REMOVED	-	-	-	-	-	-	-	-
206-131/ 01-02-96	REMOVED	-	-	-	-	-	-	-	-
206-132	Pipe run insulation, 3" OD	Pipe chase in room 136	None detected	N/A	N/A	N/A	N/A	-	-
206-133/ 01-02-96	REMOVED	-	-	-	-	-	-	-	-
206-134/ 01-02-96	REMOVED	-	-	-	-	-	-	-	-
206-135/ 01-02-96	REMOVED	-	-	-	-	-	-	-	-
206-136/ 01-02-96	REMOVED	-	-	-	-	-	-	-	-
206-137	Pipe run insulation, 3" OD	Pipe chase by room 113	None detected	N/A	N/A	N/A	N/A	-	-
206-138/ 01-02-96	REMOVED	-	-	-	-	-	-	-	-

82-190

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
206-139 / 12-12-95	Pipe insulation, 12" OD, TLE connection	Room 27	20% Amosite 50% Chrysotile	1	EA	Undamaged (friable)	Moderate	7	Maintain
206-140 / 12-12-95	Pipe run insulation, 12" OD,	Room 27	30-40% Amosite 25-40% Chrysotile	Ref. sample 139		Undamaged (friable)	Moderate	7	Maintain
206-141 / 12-04-95	Pipe run insulation, 4" OD	Room 22	40-50% Amosite	35	LF	Undamaged (friable)	Moderate	7	Maintain
206-142 / 12-04-95	Pipe run insulation, 3" OD	Room 22	5-12% Amosite 25-35% Chrysotile	35	LF	Undamaged (friable)	Moderate	7	Maintain
206-143	Pipe joint insulation, 3" OD (elbow)	Room 22	None detected	N/A	N/A	N/A	N/A		
206-144	Pipe joint insulation, 3" OD (elbow)	Room 22	None detected	N/A	N/A	N/A	N/A		
206-145	Pipe run insulation, 3" OD, brown	Room 22	None detected	N/A	N/A	N/A	N/A		
206-146	Patching compound	Hallway by room 21	None detected	N/A	N/A	N/A	N/A		
206-147	Ceiling panel, 2' x 4', grey, type 5	Hallway by room 21	None detected	N/A	N/A	N/A	N/A		
206-148 / 12-04-95	Pipe run insulation, 5" OD,	Hallway by room 21	15-30% Chrysotile	30	LF	Undamaged (friable)	Moderate	7	Maintain
206-149 / 12-12-95	Pipe run insulation, 3" OD,	Room 18 Pipe chase	30% Amosite 30% Chrysotile	8	LF	Slightly damaged (friable)	Moderate	6	Patch
206-150 / 12-12-95	Pipe run insulation, 10" OD, (with debris)	Room 18 Pipe chase in w. wall penetration	30-40% Amosite 5-15% Chrysotile	10	SF	Significantly damaged (friable)	High	3	Remove
206-151	Resilient floor tile, 12" x 12", green with brown and white streaks	Room 13	30% Chrysotile	2,630	SF	Undamaged (nonfriable)	Low		

82-191

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
206-152	Resilient floor tile, 12" x 12", green with brown and white streaks	Room 13	None detected	N/A	N/A	N/A	N/A		
206-153	Wallpaper (orange) and plaster	Room 13	None detected	N/A	N/A	N/A	N/A		
206-154	Wallpaper (orange) and plaster	Room 13	None detected	N/A	N/A	N/A	N/A		
206-155 / 12-04-95	Pipe run insulation, 3" OD, white and yellow	Room 13	15-25% Amosite 30-45% Chrysotile	15	LF	Undamaged (friable)	Moderate 6	6	Maintain
206-156 / 01-02-96	REMOVED	-	-	-	-	-	-	-	-
206-157 / 01-02-96	REMOVED	-	-	-	-	-	-	-	-
206-158	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A	N/A	N/A		
206-159	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A	N/A	N/A		
206-160 / 12-04-95	Pipe run insulation, 3"OD	Room 014	2% Chrysotile	6	LF	Undamaged (friable)	Moderate 6	6	Maintain
206-161 / 12-04-95	Pipe run insulation, 3"OD	Room 013	30% Amosite	15	LF	Undamaged (friable)	Moderate 6	6	Maintain
206-162 / 12-04-95	Pipe run insulation, 3"OD	Room 013	40% Amosite	10	LF	Undamaged (friable)	Moderate 6	6	Maintain
206-163	Resilient floor tile and mastic, 12" x 12" white with brown	Hallway by room 40	None detected	N/A	N/A	N/A	N/A		

82-142

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
206-164 12-04-95	Pipe run insulation, 3"OD	Room 018	30% Amosite 20% Chrysotile	12	LF	Damaged	Moderate	3	Cap end & Patch
206-165 12-04-95	Debris (suspect TSI)	Room 25, crawl space	40% Amosite 10% Chrysotile	1,320	SF	Significantly damaged (friable)	High	2	Remove
206-166 12-04-95	Debris (suspect TSI)	Room 25, crawl space	30% Amosite 20% Chrysotile	Ref. sample 165		Significantly damaged (friable)	High	2	Remove
206-167 12-04-95	Pipe run insulation, 3"OD	Room 25, crawl space	15% Chrysotile	65	LF	Undamaged (friable)	Low	4	Cap ends
206-168 12-04-95	REMOVED	-	-	-	-	-	-	-	-
206-169	Exterior stucco	Exterior, south	None detected	N/A	N/A	N/A	N/A		
206-170	Exterior stucco	Exterior, north	None detected	N/A	N/A	N/A	N/A		
206-171	Exterior stucco	Exterior, west	None detected	N/A	N/A	N/A	N/A		
206-172 12-04-95	Pipe run insulation, 3"OD	Room 30	10% Chrysotile	25	LF	Undamaged (friable)	Moderate		
206-173 12-12-95	Pipe joint insulation, 3" OD (elbow)	Room 18A, crawl space	15% Chrysotile	3	EA	Damaged (friable)	High		
206-174 12-12-95	Pipe run insulation, 3" OD	Room 18A, crawl space	25% Amosite 25% Chrysotile	50	LF	Slightly Damaged (friable)	Low		

82-143

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
207-097	Exterior stucco	South side	10-25% Chrysotile	20,820	SF	Undamaged (nonfriable)	Low		
207-098	Exterior stucco	South side	1% Chrysotile	Ref. sample 097		Undamaged (nonfriable)	Low		
207-099	Exterior stucco	South side	5-12% Chrysotile	Ref. sample 097		Undamaged (nonfriable)	Low		
207-100	Exterior stucco	East side	8-15% Chrysotile	Ref. sample 097		Undamaged (nonfriable)	Low		
207-101	Exterior stucco	East side	None detected	N/A	N/A	N/A	N/A		
207-102	Exterior stucco	East side	5-10% Chrysotile	Ref. sample 097		Undamaged (nonfriable)	Low		
207-103	Exterior stucco	North side	1% Chrysotile	Ref. sample 097		Undamaged (nonfriable)	Low		
207-104	Exterior stucco	North side	5-10% Chrysotile	Ref. sample 097		Undamaged (nonfriable)	Low		
207-105	Resilient floor tile and mastic, 12" x 12", light red with multi-color spots	Hallway by room 143D	None detected	N/A	N/A	N/A	N/A		
207-106	Resilient floor tile and mastic, 12" x 12", light red with multi-color spots	Hallway by room 143D	5% Chrysotile (mastic-none detected)	25	SF	Undamaged (nonfriable)	Low		

B2-211

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
207-107	Resilient floor tile and mastic, 12" x 12", light red with multi-color spots	Hallway by room 143D	None detected	N/A	N/A	N/A	N/A		
207-108	Resilient floor tile and mastic, 12" x 12", clay red with black and white streaks	Hallway by room 143D	5% Chrysotile (mastic-none detected)	590	SF	Undamaged (nonfriable)	Low		
207-109	Resilient floor tile and mastic, 12" x 12", clay red with black and white streaks	Hallway by room 143E	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 108		Undamaged (nonfriable)	Low		
207-110	Resilient floor tile and mastic, 12" x 12", clay red with black and white streaks	Hallway by room 143E	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 108		Undamaged (nonfriable)	Low		
207-111	Resilient floor tile and mastic, 12" x 12", beige with brown and grey streaks	Hallway by room 143C	5% Chrysotile	130	SF	Undamaged (nonfriable)	Low		
207-112	Resilient floor tile and mastic, 12" x 12", beige with brown and grey streaks	Hallway by room 143B	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 111		Undamaged (nonfriable)	Low		
207-113	Joint compound	Room 143A	None detected	N/A	N/A	N/A	N/A		
207-114	Joint compound	Room 143A	None detected	N/A	N/A	N/A	N/A		
207-115	Joint compound	Room 143G	None detected	N/A	N/A	N/A	N/A		
207-116	Ceiling panel, 2' x 4', type 1	Room 143G	None detected	N/A	N/A	N/A	N/A		

82-212

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
207-117	Ceiling panel, 2' x 4', type 1	Room 136C	None detected	N/A	N/A	N/A	N/A		
207-118	Resilient floor tile and mastic, 12" x 12", yellow with copper and white spots	Room 136F	Floor tile-none detecte (mastic->1% asbestos)	75	SF	Undamaged (nonfriable)	Low		
207-119	Resilient floor tile and mastic, 12" x 12", yellow with copper and white spots	Room 136F	5% Chrysotile (mastic-none detected)	Ref. sample 118		Undamaged (nonfriable)	Low		
207-120	Resilient floor tile and mastic, 12" x 12", yellow with copper and white spots	Room 139	Floor tile- none detecte (mastic->1% asbestos)	Ref. sample 118		Undamaged (nonfriable)	Low		
207-121	Resilient floor tile and mastic, 12" x 12", white with black and brown streaks	Room 136	Floor tile- none detecte (mastic->1% asbestos)	Ref. sample 004		Damaged (nonfriable)	Moderate		
207-122	Baseboard and mastic, 4" high, beige	Room 136	None detected	N/A	N/A	N/A	N/A		
207-123	Resilient floor tile & mastic, 12" x 12", white with black and brown streaks	Hallway by room 139	3-8% Chrysotile (mastic->1% asbestos)	Ref. sample 004		Undamaged (nonfriable)	Low		
207-124	Baseboard and mastic, 3" high, black	Hallway by room 216F	None detected	N/A	N/A	N/A	N/A		
207-125	Baseboard and mastic, 4" high, black	Hallway by room 216F	None detected	N/A	N/A	N/A	N/A		

82-213

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
207-126	Baseboard and mastic, 4" high, black	Hallway by room 216B	None detected	N/A	N/A	N/A	N/A		
207-127	Resilient floor tile and mastic, 12" x 12", olive with red, black and white spots	Hallway by room 110	None detected	N/A	N/A	N/A	N/A		
207-128	Resilient floor tile and mastic, 12" x 12", olive with red, black and white spots	Hallway by room 110	5% Chrysotile (mastic-none detected)	165	SF	Undamaged (nonfriable)	Low		
207-129	Resilient floor tile and mastic, 12" x 12", olive with red, black and white spots	Hallway by room 110	None detected	N/A	N/A	N/A	N/A		
207-130	Resilient floor tile and mastic, 12" x 12", mustard with brown and white spots	Hallway by room 110	5% Chrysotile (mastic-none detected)	285	SF	Undamaged (nonfriable)	Low		
207-131	Resilient floor tile and mastic, 12" x 12", mustard with brown and white spots	Room 110	1-5% Chrysotile (mastic->1% asbestos)	Ref. sample 130		Undamaged (nonfriable)	Low		
207-132	Resilient floor tile and mastic, 12" x 12", mustard with brown and white spots	Room 110	3-8% Chrysotile (mastic->1% asbestos)	Ref. sample 130		Undamaged (nonfriable)	Low		
207-133	Baseboard and mastic, 4" high, grey	Room 110B	None detected	N/A	N/A	N/A	N/A		

82-214

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
207-134	Baseboard and mastic, 4" high, grey	Room 110B	None detected	N/A	N/A	N/A	N/A		
207-135	Baseboard and mastic, 4" high, grey	Room 110B	None detected	N/A	N/A	N/A	N/A		
207-136	Ceiling panel, 2'x4', type 6	Room 107	None detected	N/A	N/A	N/A	N/A		
207-137	Ceiling panel, 2'x4', type 6	Room 107	None detected	N/A	N/A	N/A	N/A		
207-138	Ceiling panel, 2'x4', type 6	Hallway by room 107	None detected	N/A	N/A	N/A	N/A		
207-139	Pipe run insulation, 3" OD, and white adhesive	Room 110B	None detected	N/A	N/A	N/A	N/A		
207-140	Pipe run insulation, 3" OD, and white adhesive	Room 110B	None detected	N/A	N/A	N/A	N/A		
207-141	Pipe run insulation, 3" OD, and white adhesive	Room 110B	None detected	N/A	N/A	N/A	N/A		
207-142	Resilient floor tile and mastic, 12" x 12", light brown with gold streaks	Room 7,	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 006	Undamaged (nonfriable)	Low			
207-143	Resilient floor tile and mastic, 12" x 12", light brown with gold streaks	Room 7,	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 006	Undamaged (nonfriable)	Low			
207-144	Ceiling panel, 2' x 4', type 7	Room 7	None detected	N/A	N/A	N/A	N/A		
207-145	Ceiling panel, 2' x 4', type 7	Room 7	None detected	N/A	N/A	N/A	N/A		

82-215

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
207-146	Ceiling panel, 2' x 4', type 7	Room 7	None detected	N/A	N/A	N/A	N/A	-	-
207-147 / 12-08-95	REMOVED	-	-	-	-	-	-	-	-
207-148 / 12-05-95	REMOVED	-	-	-	-	-	-	-	-
207-149 / 12-05-95	REMOVED	-	-	-	-	-	-	-	-
207-150	Resilient floor tile and mastic, 12" x 12", white with black and brown streaks	Room 136	None detected	N/A	N/A	N/A	N/A	-	-
207-151	Resilient floor tile and mastic, 12" x 12", white with black and brown streaks	Room 136	Floor tile-none detected (mastic->1% asbestos)	Ref. sample 004	Undamaged (nonfriable)	Low	-	-	-
207-152	Plaster composite	Pipe chase adjacent to room 140	None detected	N/A	N/A	N/A	N/A	-	-
207-153	Plaster composite	Pipe chase adjacent to room 140	None detected	N/A	N/A	N/A	N/A	-	-
207-154	Plaster composite	Pipe chase adjacent to room 142	None detected	N/A	N/A	N/A	N/A	-	-
207-155 / 12-05-95	REMOVED	-	-	-	-	-	-	-	-

82-246

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
207-156/ 12-05-95	REMOVED	-	-	-	-	-	-	-	-
207-157/ 12-08-95	REMOVED	-	-	-	-	-	-	-	-
207-158	Pipe run insulation, 12" OD	Hallway by room 14	None detected	N/A	N/A	N/A	N/A		
207-159	Pipe run insulation, 20" OD	Hallway by room 14	None detected	N/A	N/A	N/A	N/A		
207-160	Pipe run insulation, 12" OD	Hallway by room 14	None detected	N/A	N/A	N/A	N/A		
207-161/ 12-06-95	Pipe run insulation, 3" OD	Room 12J	30-45% Amosite 10-25% Chrysotile	15	LF	Damaged (friable)	High	2	Remove
207-162/ 12-06-95	Pipe run insulation, 3" OD	Room 12J	80% Amosite	15	LF	Damaged (friable)	High	2	Remove
207-163/ 12-06-95	Pipe run insulation, 3" OD	Room 12K	20-30% Amosite 30-40% Chrysotile	15	LF	Slightly damaged (friable)	High	5	Remove
207-164	Resilient floor tile, 12"x12", white with black stripes	Room 13	None detected	N/A	N/A	N/A	N/A		
207-165	Resilient floor tile, 12"x12", white with black stripes	Room 13	None detected	N/A	N/A	N/A	N/A		
207-166	Resilient floor tile, 12"x12", white with black stripes	Room 13	None detected	N/A	N/A	N/A	N/A		
207-167/ 12-14-95	Pipe run insulation, 4" OD	Room 12A (ceiling cavity)	40-50% Amosite 25-40% Chrysotile	75	LF	Undamaged (friable)	Low	7	Maintain

82.217

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
207-168/ 2-14-95	Pipe run insulation, 4" OD	Room 12A (ceiling cavity)	60% Chrysotile	Ref. sample	167	Undamaged (friable)	Low	7	Maintain
207-169/ 2-14-95	Pipe run insulation, 6" OD	Room 12A (ceiling cavity)	65-85% Chrysotile	100	LF	Undamaged (friable)	Low	7	Maintain
207-170/ 12-14-95	Pipe run insulation, 6" OD	Room 12A (ceiling cavity)	65-85% Chrysotile	Ref. sample	169	Undamaged (friable)	Low	7	Maintain
207-171/ 12-14-95	Pipe run insulation, 3" OD	Room 12A (ceiling cavity)	10-25% Amosite 35-50% Chrysotile	70	LF	Slightly damaged (friable)	Low	5	Cap ends
207-172/ 12-14-95	Pipe run insulation, 3" OD	Room 12A (ceiling cavity)	40% Chrysotile	Ref. sample	171	Slightly damaged (friable)	Low	5	Cap ends
207-173	Pipe run insulation, 3" OD	Exterior, west side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		
207-174	Debris (suspect TSI on HVAC equipment)	Exterior, west side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		
207-175	Pipe joint insulation and lagging (at valve)	Exterior, west side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		
207-176	Flexible connector/vibration damper	Exterior, west side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		
207-177	Resilient floor tile, 12" x 12", light brown with brown streaks	Hallway by room 12	Floor tile--none detected (mastic->1% asbestos)	Ref. sample	006	Undamaged (nonfriable)	Low		
207-178	Leveling compound and mastic, light color (below sample #177)	Hallway by room 12	Floor tile--none detected (mastic->1% asbestos)	Ref. sample	006	Undamaged (nonfriable)	Low		

00
R-2-95

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
207-179	Resilient floor tile, 12" x 12", (below sample #178)	Hallway by room 12	None detected	N/A	N/A	N/A	N/A		
207-180	Felt-like material and mastic (below sample #179)	Hallway by room 12	None detected	N/A	N/A	N/A	N/A		
207-181	Resilient floor tile, 12" x 12", light brown with brown streaks	Hallway by room 12	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 006		Undamaged (nonfriable)	Low		
207-182	Resilient floor tile, 12" x 12", light color (below sample #181)	Hallway by room 12	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 006		Undamaged (nonfriable)	Low		
207-183	Felt-like material) and mastic (below sample #184)	Hallway by room 12	None detected	N/A	N/A	N/A	N/A		
207-184	Resilient floor tile, 12" x 12", white with tan streaks	Hallway by room 12	None detected	N/A	N/A	N/A	N/A		
207-185	Resilient floor tile, 12" x 12", white with tan streaks	Hallway by room 12	None detected	N/A	N/A	N/A	N/A		
207-186/ 12-05-95	Pipe joint insulation, 4" OD, (linear)	Hallway by room 12B (ceiling cavity)	10-25% Amosite 30-45% Chrysotile	15	LF	Damaged (friable)	High	2	Patch
207-187/ 12-05-95	Pipe joint insulation, 3" OD, (linear)	Hallway by room 12B (ceiling cavity)	15-30% Amosite 35-50% Chrysotile	15	LF	Damaged (friable)	High	2	Patch
207-188	Pipe run insulation, 4" OD,	Hallway by room 12B (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
207-189	Pipe run insulation, 4" OD,	Hallway by room 12B (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		

82-219

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
207-190	Pipe run insulation, 3" OD,	Hallway by room 12B (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
207-191	Pipe run insulation, 3" OD,	Hallway by room 12B (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
207-192/ 12-05-95	REMOVED	-	-	-	-	-	-	-	-
207-193/ 12-05-95	REMOVED	-	-	-	-	-	-	-	-
207-194/ 12-14-95	REMOVED	-	-	-	-	-	-	-	-
207-195/ 12-14-95	REMOVED	-	-	-	-	-	-	-	-
207-196	Pipe run insulation, 3" OD,	Pipe chase in room 131	None detected	N/A	N/A	N/A	N/A		
207-197/ 12-05-95	REMOVED	-	-	-	-	-	-	-	-
207-198/ 12-06-95	REMOVED	-	-	-	-	-	-	-	-
207-199/ 12-06-95	REMOVED	-	-	-	-	-	-	-	-
207-200/ 12-05-95	Debris (suspect TSI)	Pipe chase in room 010	30% Amosite 30% Chrysotile	1,200	SF	Significantly damaged (friable)	High	3	Remove

82, 220

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
207-201 / 12-05-95	Pipe run insulation, 3"OD	Room 003	5% Chrysotile (Asbestos on surface wrap)	15	LF	Undamaged (friable)	Moderate	7	Maintain
207-202 / 12-05-95	Pipe run insulation, 3"OD	Room 003	45% Amosite	25	LF	Slightly damaged (friable)	Moderate	6	Patch
207-203 / 12-05-95	Pipe run insulation, 5"OD	Crawl space by room 7A	40% Amosite	50	LF	Undamaged (friable)	Moderate	4	Cap ends
207-204 / 12-05-95	Debris (suspect TSI)	Crawl space by room 7A	20% Chrysotile	1,280	SF	Significantly damaged (friable)	High	3	Remove
207-205 / 12-05-95	Pipe run insulation, 3"OD	Library store room	10% Chrysotile (Asbestos on surface wrap)	25	LF	Slightly damaged (friable)	Moderate	5	Patch
207-206 / 12-14-95	Pipe run insulation, 3" OD	Crawl space, room 12A	15% Chrysotile	45	LF	Damaged (friable)	High	4	Cap ends & Patch
207-207 / 12-14-95	Debris (suspect TSI)	Crawl space, room 12A	50% Amosite 20% Chrysotile	1,280	SF	Significantly damaged (friable)	High	3	Remove

82-221

NOTES:

- 1) Ref. 207-156/161 to 163/197/206. Even though this classification does not follow strict AHJERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref. 207-068 to 073/147 to 149/156/161 to 163/167 to 172/186/187/197 to 199/201 to 203/205/206. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber, or cork, or if further sampling results show non-detection for asbestos.
- 6) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 7) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-GLAHS BUILDING 207
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN K. SPIVEY**

November 15, 2002

November 15, 2002
Contract No. V691P-6501 Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
Bldg. 218, Room 328
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**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
BUILDING NO 207, VA-GLAHS WEST LA
11301 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073**

Environmental Engineering, Inc. on behalf of the United States Department of Veterans Affairs, reinspected the asbestos containing materials (ACM) in Building 207 of the USVA-Greater Los Angeles Healthcare System (GLAHS) in Los Angeles, California. Mr. James Spencer, Mr. Roman Akeh and Dr. Zainul Abedin of Environmental Engineering, Inc. performed the asbestos inspection at the Site on October 24, 2002. Mr. James Spencer (CAC#92-0368) and Mr. Roman Akeh (CAC #93-1176) are California asbestos consultants and Dr. Zainul Abedin is an asbestos building inspector and management planner and an accredited Lead Inspector, Risk Assessor and a Lead Supervisor (I/S-1151) in the State of California.

Environmental Engineering Inc. performed the survey of the site structures to identify, assess, and sample suspect ACM at the Site, and to recommend, if necessary, appropriate response actions upon the findings of the survey. The survey consisted of a walk-through of the accessible areas, visual observation for the presence of potential ACM and sampling of presumed asbestos containing materials, and conditional reassessment of the known ACMs. Flooring, ceiling, carpet mastic, baseboard, wall plaster, exterior stucco plaster, joint compounds, sink undercoat, HVAC canvas tape, flexible connector/vibration damper, thermal system insulation (TSI) on pipes, elbows, joints, ducts and debris and roofing felt & mastic were formerly sampled and tested. Friable asbestos was found in the following materials throughout the building:

- 3"Φ Pipe & Fitting Insulations
- 4"Φ Pipe & Fitting Insulations
- 5"Φ Pipe & Fitting Insulations
- 6"Φ Pipe & Fitting Insulations
- TSI/Duct Insulation Debris

Non-friable asbestos was found in the following materials throughout the building:

- 9"X9" Resilient Floor Tile & Mastic
- 12"X12" Resilient Floor Tile & Mastic
- Resilient Sheet Flooring & Mastic
- Exterior Stucco Plaster
- Roofing Mastic Under Clay Tiles

Some of these known asbestos containing materials were removed from the Building 207 since 1996. These abated materials are summarized in Table 1.

The conditions of the remaining asbestos-containing materials were visually observed and re-assessed for management response actions. Based on the findings of this reinspection, slightly damaged friable pipe insulations and TSI debris remained in basement rooms 7A & 12A crawl spaces, 12A ceiling and 12J, while TSI debris were removed from room 10 pipe chase. Other known friable pipe and fitting insulations remained intact in rooms 3, 7A crawl space, 12A ceiling, 12B hall ceiling and Library store. Non-friable floor tiles, roofing mastic and exterior stucco plaster remained undamaged. The results of this survey are summarized in Table 2 with recommended management response actions.

Environmental Engineering, Inc. conducted the asbestos inspection in accessible areas of the Site. Other conditions may exist in inaccessible areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. This survey was performed in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature. If you have any questions concerning the methodology or the results of this survey, please contact us at (818) 547-1330.

Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,



Zainul Abedin, PhD, REA
Project Manager

Table 1 : Asbestos Abatement In Building 207

Date	Asbestos Containing Materials	Locations/Rooms	Quantity
3 rd Qtr 99	Resilient Floor Tiles & Mastic	Basement	ft ²
Others	Sheet Flooring	Elevator Room	
	TSI / Duct Insulation Debris	10 Pipe Chase	

82-226

**Table 2 : BUILDING 207, VA-GLAHS
ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 10/24/02

Materials	Location/Rooms	ACM Condition	Friability	Potential Exposure	Priority	Response
3" @ Pipe & Fitting Insulations	003, 12K, 12B Hall Ceiling, Library Store	Undamaged	Yes	Moderate	6	Maintain
4" @ Pipe & Fitting Insulations	12A Ceiling & Crawl Space, 12J	Damaged	Yes	High	3	Patch/Remove
4" @ Pipe & Fitting Insulations	12A Ceiling, 12B Hall Ceiling	Undamaged	Yes	Low	7	Maintain
5" @ Pipe & Fitting Insulations	7A Crawl Space	Undamaged	Yes	Low	7	Maintain
6" @ Pipe & Fitting Insulations	12A Ceiling	Undamaged	Yes	Low	7	Maintain
TSU/Duct Insulation Debris	7A & 12A Crawl Space	Significantly Damaged	Yes	High	2	Remove
12"x12" Floor Tile Mastic	147	Undamaged	No	Low	7	Maintain
12"x12" Floor Tile Mastic	7, 12 Hall, 110 & Hall, 127, 130 & F, 139 & Hall, 143 B-E Halls, 225 CAD, 1 st Flr East Stairwell	Undamaged	No	Low	7	Maintain
Roofing Mastic	Roof Under Clay Tiles	Undamaged	No	Low	7	Maintain
Exterior Stucco Plaster	North, East & South sides	Undamaged	No	Low	7	Maintain

- Notes :
1. No TSI debris : None in Room 10 Pipe Chase
 2. Floor tiles : 4 missing by 143D Hall
 3. Sheet Flooring : None in Elevator Room

82-227

c. Sampling Records

Sample No. / Date Verified	Material Description	Material Location	BUILDING 208			ACM Condition and Friability	Potential Exposure	Priority	Response
			Laboratory Results For Asbestos Content	ACM Quantity	Unit				
208-001	Resilient floor tile and mastic, 9" x 9", brown with black and yellow streaks	Room 112	15% Chrysotile	6,790	SF	Undamaged (nonfriable)	Low		
208-002	Resilient floor tile and mastic, 9" x 9", dark red/brown with red and white streaks	Room 112	15% Chrysotile	840	SF	Undamaged (nonfriable)	Low		
208-003	Resilient floor tile and mastic, 7" x 24", dark red border tiles	Room 112	15% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
208-004	Resilient floor tile and mastic, 9" x 9", brown with black and yellow streaks	Room 112	15-30% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
208-005	Resilient floor tile and mastic, 12" x 12", white with copper and brown	Room 112	None detected	N/A	N/A	N/A	N/A		
208-006	Resilient floor tile and mastic, 12" x 12", white with copper and brown	Room 112	None detected	N/A	N/A	N/A	N/A		
208-007	Resilient floor tile and mastic, 9" x 9", reddish brown with dark brown and white streaks	Room 112	15% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
208-008	Resilient floor tile and mastic, 9" x 9", reddish brown with dark brown and white streaks	Room 112	10-20% Chrysotile (mastic->1% asbestos)	Ref. sample 001		Undamaged (nonfriable)	Low		
208-009	Plaster Composite	Room 112	None detected	N/A	N/A	N/A	N/A		

82-228

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
208-010	Joint compound	West hallway by room 110	None detected	N/A	N/A	N/A	N/A		
208-011	Concrete finish coat	Room 112	None detected	N/A	N/A	N/A	N/A		
208-012	Ceiling panel, 2' x 4', type 1	West hallway by water fountain	None detected	N/A	N/A	N/A	N/A		
208-013	Baseboard and mastic, 5" high, dark brown	Room 111	None detected	N/A	N/A	N/A	N/A		
208-014	Resilient sheet flooring and mastic, orange	Room 111	None detected	N/A	N/A	N/A	N/A		
208-015	Resilient sheet flooring and mastic, orange	Room 111	None detected	N/A	N/A	N/A	N/A		
208-016	Ceiling panel, 2' x 4', type 2	West hallway by restroom	None detected	N/A	N/A	N/A	N/A		
208-017	Ceiling panel, 2' x 4', type 3	West hallway by restroom	None detected	N/A	N/A	N/A	N/A		
208-018	Sink undercoat	Room 111	5% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
208-019	Pipe joint insulation, 3" OD (elbow)	West hallway by men's restroom	None detected	N/A	N/A	N/A	N/A		
208-020	Resilient floor tile and mastic, 12" x 12", white with grey streaks	Room 107	None detected	N/A	N/A	N/A	N/A		

82-229

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
208-021	Resilient floor tile and mastic, 12" x 12", white with grey streaks	Room 107	None detected	N/A	N/A	N/A	N/A		
208-022	Baseboard and mastic, 4" high, brow	Room 107	None detected	N/A	N/A	N/A	N/A		
208-023	Baseboard and mastic, 4" high, brow	Room 107	None detected	N/A	N/A	N/A	N/A		
208-024	Resilient sheet flooring w/mastic, bl	Room 109	None detected	N/A	N/A	N/A	N/A		
208-025	Resilient sheet flooring w/mastic, bl	Room 109	None detected	N/A	N/A	N/A	N/A		
208-026	Ceiling panel, 12" x 12", type 4	Room 109	None detected	N/A	N/A	N/A	N/A		
208-027	Ceiling panel, 12" x 12", type 4	Room 109	None detected	N/A	N/A	N/A	N/A		
208-028	Resilient floor tile and mastic, 12" x 12", beige and yellow with copper and white spots	Central hallway by room 113	None detected	N/A	N/A	N/A	N/A		
208-029	Resilient floor tile and mastic, 12" x 12", beige and yellow with copper and white spots	Central hallway by elevator	Floor tile-none detecte (mastic->1% asbestos)	10,030	SF	Undamaged (nonfriable)	Low		
208-030	Concrete finish coat	West stairwell	None detected	N/A	N/A	N/A	N/A		
208-031	Resilient floor tile and mastic, 12" x 12", beige and yellow with copper and white spots	Room 130	None detected	N/A	N/A	N/A	N/A		
208-032	Baseboard and mastic, 5" high, black	Main hallway	None detected	N/A	N/A	N/A	N/A		
208-033	Baseboard and mastic, 5" high, black	Hallway by room 117	None detected	N/A	N/A	N/A	N/A		

82-220

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
208-034	Resilient floor tile and mastic, 12" x 12", white with copper and brown	Room 119	None detected	N/A	N/A	N/A	N/A		
208-035	Sink undercoat	Room 119	15-25% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
208-036	Joint compound	Room 118	None detected	N/A	N/A	N/A	N/A		
208-037	Carpet mastic, yellow	Room 118	5% Chrysotile	1,000	SF	Undamaged (nonfriable)	Low		
208-038/ 11-24-95	Pipe joint insulation, 3" OD (elbow)	Pipe chase in room 119	25-40% Amosite 15-25% Chrysotile	10	EA	Damaged (friable)	High	4	Remove
208-039/ 11-24-95	Pipe run insulation, 3" OD	Pipe chase in room 119	2% Chrysotile	50	LF	Damaged (friable)	High	4	Remove
208-040/ 11-24-95	Duct insulation (aircell)	Pipe chase in room 119	55-70% Chrysotile	Ref. sample 134		Damaged (friable)	High	4	Remove
208-041/ 11-24-95	Duct insulation (aircell)	Pipe chase in room 119	60% Chrysotile	Ref. sample 134		Damaged (friable)	High	4	Remove
208-042/ 11-22-95	Duct insulation (aircell)	Room 128 above drop ceiling	60% Chrysotile	Ref. sample 134		Undamaged (friable)	Low	4	Remove
208-043/ 11-22-95	Duct insulation (aircell) (could not locate)	Room 128 above drop ceiling	50-80% Chrysotile	Ref. sample 134		Undamaged (friable)	Low	7	Maintain
208-044	Baseboard and mastic, 3" high, brow	Room 128	None detected	N/A	N/A	N/A	N/A		
208-045	Plaster composite	Room 128	None detected	N/A	N/A	N/A	N/A		
208-046	Baseboard and mastic, 3" high, brow	Room 127	None detected	N/A	N/A	N/A	N/A		

82-231

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
208-047	Ceiling Panel, 2' x 4', type 2	Room 127	None detected	N/A	N/A	N/A	N/A		
208-048 / 11-22-95	Pipe run insulation, 3" OD (Aircell) above ceiling	Room 124	45-70% Chrysotile	25	LF	Significantly damaged (friable)	High	2	Remove
208-049	Asbestos cement (transite) panel at radiator	Room 124	40% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
208-050	Baseboard and mastic, 3" high, crea	Room 123	None detected	N/A	N/A	N/A	N/A		
208-051	Baseboard and mastic, 3" high, crea	Room 123	None detected	N/A	N/A	N/A	N/A		
208-052	Baseboard and mastic, 5" high, crea	Room 15	None detected	N/A	N/A	N/A	N/A		
208-053	Baseboard and mastic, 5" high, crea	Room 15	None detected	N/A	N/A	N/A	N/A		
208-054	Resilient floor tile and mastic, 12" x 12", cream with light brown spots	Room 15	None detected	N/A	N/A	N/A	N/A		
208-055	Resilient floor tile and mastic, 12" x 12", cream with light brown spots	Room 15	Floor tile-none detecte (mastic->1% asbestos)	750	SF	Undamaged (nonfriable)	Low		
208-056	Resilient sheet flooring and mastic, r	Room 16	None detected	N/A	N/A	N/A	N/A		
208-057	Resilient sheet flooring w/ mastic, re	Room 16	None detected	N/A	N/A	N/A	N/A		
208-058	Resilient sheet flooring w/ mastic, re	Room 16	None detected	N/A	N/A	N/A	N/A		
208-059	Plaster composite	Room 13	None detected	N/A	N/A	N/A	N/A		
208-060	Plaster composite	Room 12	None detected	N/A	N/A	N/A	N/A		

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
208-061	Resilient floor tile and mastic, 12" x 12", white with grey streaks	Room 11C	None detected	N/A	N/A	N/A	N/A		
208-062	Resilient floor tile and mastic, 12" x 12", white with grey streaks	Room 3	2% Chrysotile	2,510	SF	Undamaged (nonfriable)	Low		
208-063	Resilient floor tile and mastic, 12" x 12", white with grey streaks	Room 11A	Floor tile-none detected (mastic->1% asbestos)	Ref. sample 062		Undamaged (nonfriable)	Low		
208-064	Baseboard and mastic, 3" high, black	Room 11C	None detected	N/A	N/A	N/A	N/A		
208-065	Baseboard and mastic, 3" high, black	Room 11A	None detected	N/A	N/A	N/A	N/A		
208-066	Baseboard and mastic, 3" high, black	Room 3	None detected	N/A	N/A	N/A	N/A		
208-067	Plaster composite	Pipe chase by room 210	None detected	N/A	N/A	N/A	N/A		
208-068	Plaster composite	Pipe chase by room 210	None detected	N/A	N/A	N/A	N/A		
208-069 / 11-27-95	Pipe run insulation, 6" OD	Room 16	40% Chrysotile	30	LF	Damaged (friable)	High	2	Patch
208-070 / 11-27-95	Pipe joint insulation, 6" OD (fitting)	Room 16	30-40% Chrysotile	5	EA	Undamaged (friable)	Moderate	7	Maintain
208-071 / 11-27-95	Pipe joint insulation, 4" OD (elbow)	Room 16	2% Chrysotile	Ref. sample 070		Damaged (friable)	High	2	Patch
208-072	Pipe run insulation, 3" OD	Room 16	None detected	N/A	N/A	N/A	N/A		
208-073 / 11-27-95	Pipe joint insulation, 4" OD (elbow)	Room 16	25-35% Amosite 20-30% Chrysotile	Ref. Sample 071		Damaged (friable)	High	2	Patch

2023

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
208-074	Pipe joint insulation, 4" OD (elbow)	Room 16	30-40% Amosite 20-30% Chrysotile	Ref. Sample 071		Damaged (friable)	High	2	Patch
208-075	Pipe run insulation, 4" OD	Room 16	5% Amosite	30	LF	Damaged (friable)	High	2	Patch
208-076	Pipe joint insulation, 3" OD (elbow)	Room 16	None detected	N/A	N/A	N/A	N/A		
208-077	Pipe run insulation, 6" OD	Room 16	40% Chrysotile	Ref. Sample 069		Damaged (friable)	High	2	Patch
208-078	Pipe joint insulation, 3" OD (elbow)	Hallway by room 16	55-75% Chrysotile	1	EA	Significantly damaged (friable)	High	1	Remove
208-079	Pipe run insulation, 3" OD	Pipe chase near room 208	30-40% Amosite 35-45% Chrysotile	15	LF	Significantly damaged (friable)	High	3	Remove
208-080	Pipe joint insulation, 3" OD (elbow)	Pipe chase near room 208	30-40% Amosite 15-30% Chrysotile	9	EA	Significantly damaged (friable)	High	3	Remove
208-081	Pipe joint insulation, 3" OD (elbow)	Pipe chase near room 208	2% Amosite 2% Chrysotile	Ref. sample 080		Significantly damaged (friable)	High	3	Remove
208-082	Pipe run insulation, 3" OD	Pipe chase near room 208	20-30% Amosite 35-40% Chrysotile	Ref. sample 079		Significantly damaged (friable)	High	3	Remove
208-083	Resilient floor tile and mastic, 12" x 12", white with grey streaks	Room 207	2% Chrysotile (mastic->1% asbestos)	9,020	SF	Undamaged (nonfriable)	Low		
208-084	Resilient floor tile and mastic, 12" x 12", white with grey streaks	Room 207	Floor tile - none detect (mastic->1% asbestos)	Ref. sample 083		Undamaged (nonfriable)	Low		

82-234

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
208-085	Resilient floor tile and mastic, 9" x 9", brown with black and yellow streaks	Room 206	25-40% Chrysotile (mastic->1% asbestos)	Ref. sample 001		Undamaged (nonfriable)	Low		
208-086	Resilient floor tile and mastic, 12" x 12", multicolored	Room 206A	2% Chrysotile (mastic->1% asbestos)	320	SF	Undamaged (nonfriable)	Low		
208-087	Resilient floor tile and mastic, 12" x 12", multicolored	Room 206A	Floor tile - none detect (mastic->1% asbestos)	Ref. sample 086		Undamaged (nonfriable)	Low		
208-088	Resilient floor tile and mastic, 9" x 9", yellow	Room 204	5% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
208-089	Resilient floor tile and mastic, 9" x 9", yellow	Room 204	30-40% Chrysotile (mastic->1% asbestos)	Ref. sample 001		Undamaged (nonfriable)	Low		
208-090	Resilient floor tile and mastic, 7" x 24", dark red/brown with red and white streaks	Room 204	35-40% Chrysotile (mastic->1% asbestos)	Ref. sample 002		Undamaged (nonfriable)	Low		
208-091	Resilient floor tile and mastic, 7" x 24", dark red border tiles	Room 203	20-30% Chrysotile (mastic->1% asbestos)	Ref. sample 001		Undamaged (nonfriable)	Low		
208-092	Resilient floor tile and mastic, 12" x 12", olive and white splotches	Hallway adjacent to room 219	None Detected	N/A	N/A	N/A	N/A		
208-093	Resilient floor tile and mastic, 9" x 9", white with green	Room 220	10% Chrysotile (mastic-none detected)	890	SF	Undamaged (nonfriable)	Low		
208-094	Resilient floor tile and mastic, 9" x 9", white with green	Room 220G	10-15% Chrysotile (mastic->1% asbestos)	Ref. sample 093		Undamaged (nonfriable)	Low		

208-095

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
208-095	Resilient floor tile and mastic, 9" x 9", light grey with grey streaks	Restroom, Room 220A	5% Chrysotile	50	SF	Undamaged (nonfriable)	Low		
208-096	Resilient floor tile and mastic, 9" x 9", light grey w/grey streaks	Restroom, room 220A	None detected	NA	NA	N/A	N/A		
208-097	Resilient floor tile and mastic, 12" x 12", olive and white splottches	Hallway adjacent to room 227	None detected	N/A	N/A	N/A	N/A		
208-098	Baseboard and mastic, 3" high, light brown	2nd floor, east hallway	None detected	N/A	N/A	N/A	N/A		
208-099	Baseboard and mastic, 3" high, light brown	2nd floor, east hallway	None detected	N/A	N/A	N/A	N/A		
208-100	Resilient floor tile and mastic, 12" x brown	2nd floor, east hallway	None detected	N/A	N/A	N/A	N/A		
208-101	Resilient floor tile and mastic, 12" x 12", brown	Second floor, east hallway	floor tile-none detecte (mastic->1% asbestos)	Ref. sample 083		Undamaged (nonfriable)	Low		
208-102	Resilient sheet flooring and mastic, brown	Second floor, women's restroom	None detected	N/A	N/A	N/A	N/A		
208-103	Resilient sheet flooring and mastic, brown	Second floor, women's restroom	None detected	N/A	N/A	N/A	N/A		
208-104	Ceiling panel, 2' x 4', type 1	Hallway by room 236	None detected	N/A	N/A	N/A	N/A		
208-105/ 11-29-95	Pipe Joint Insulation, 4" OD (elbow)	Room 13	20% Amosite 10% Chrysotile.	10	EA	Undamaged (friable)	Moderate	7	Maintain
208-106/ 11-29-95	Pipe run insulation, 4" OD	Room 13	40-70% Chrysotile	20	LF	Undamaged (friable)	Moderate	7	Maintain

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
208-107/ 11-29-95	Pipe run insulation, 6" OD	Room 13	60% Chrysotile	20	LF	Undamaged (friable)	Moderate	7	Maintain
208-108/ 11-29-95	Pipe joint insulation, 6" OD (fitting)	Room 13	25-40% Amosite 20-25% Chrysotile	5	EA	Undamaged (friable)	Moderate	7	Maintain
208-109/ 11-29-95	Pipe joint insulation, 6" OD (elbow)	Room 13	20% Amosite 40% Chrysotile	Ref. sample 108		Undamaged (friable)	Moderate	7	Maintain
208-110/ 11-29-95	Pipe run insulation, 6" OD	Room 13	40-65% Chrysotile	Ref. sample 107		Damaged (friable)	Moderate	2	Cap end
208-111/ 11-29-95	Pipe joint insulation, 4" OD (elbow)	Room 13	20% Amosite 40% Chrysotile	Ref. sample 105		Undamaged (friable)	Moderate	7	Maintain
208-112/ 11-29-95	Pipe joint insulation, 4" OD (elbow)	Room 13	15-20% Amosite 25-40% Chrysotile	Ref. sample 105		Undamaged (friable)	Moderate	7	Maintain
208-113/ 11-29-95	Pipe run insulation, 4" OD	Room 13	60% Chrysotile	Ref. sample 106		Undamaged (friable)	Moderate	7	Maintain
208-114/ 11-29-95	Pipe run insulation, 4" OD	Room 13	37-72% Chrysotile	Ref. sample 106		Undamaged (friable)	Moderate	7	Maintain
208-115/ 11-29-95	Pipe run insulation, 4" OD	Room 13	60% Chrysotile	Ref. sample 106		Undamaged (friable)	Moderate	7	Maintain
208-116/ 11-29-95	Pipe run insulation, 4" OD (and debris)	Room 12	60% Chrysotile	200	LF	Damaged (friable)	High Moderate	2	Remove
208-117	Pipe joint insulation, 2" OD (elbow)	Room 3A	None detected	N/A	N/A	N/A	N/A		
208-118/ 11-29-95	Pipe run insulation, 4" OD	Room 3A	25-35% Amosite 15-30% Chrysotile	25	LF	Undamaged (friable)	Moderate	7	Maintain

208-117

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
08-119	Ceiling panel, 2' x 4', type 1	Room 11A	None detected	N/A	N/A	N/A	N/A		
08-120	Ceiling panel, 2' x 4', type 4	Room 11A	None detected	N/A	N/A	N/A	N/A		
08-121	Ceiling panel, 2' x 4', type 2	Room 11A	None detected	N/A	N/A	N/A	N/A		
08-122 / 1-29-95	Pipe run insulation, 6" OD	Room 1	60% Chrysotile	10	LF	Undamaged (friable)	Low	7	Maintain
08-123 / 1-24-95	Pipe joint insulation, 6" OD (elbow)	Room 1	15-25% Amosite 30-40% Chrysotile	1	EA	Undamaged (friable)	Low	7	Maintain
08-124 / 1-24-95	Duct insulation (aircell)	Room 20	60% Chrysotile	Ref. sample 134		Undamaged (friable)	Low	7	Maintain
08-125 / 11-24-95	Duct insulation (aircell)	Room 20	70-80% Chrysotile	Ref. sample 134		Undamaged (friable)	Low	7	Maintain
208-126	Textured paint and plaster	Room 243	None detected	N/A	N/A	N/A	N/A		
208-127	Textured paint and plaster	Room 243	None detected	N/A	N/A	N/A	N/A		
208-128	Ceiling panel, 2' x 4', type 5	Room 220A	None detected	N/A	N/A	N/A	N/A		
208-129	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A	N/A	N/A		
208-130	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A	N/A	N/A		
208-131	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A	N/A	N/A		
208-132	Flexible connector/vibration damper	Attic	None detected	N/A	N/A	N/A	N/A		
208-133	Flexible connector/vibration damper	Attic	None detected	N/A	N/A	N/A	N/A		

08-23-08

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
208-134 / 11-29-95	Duct Insulation (aircell)	Attic	60% Chrysotile	700	LF	Undamaged (friable)	Moderate	7	Maintain
208-135 / 11-29-95	Duct Insulation (aircell)	Attic	60% Chrysotile	Ref. sample 134		Undamaged (friable)	Moderate	7	Maintain
208-136 / 11-29-95	Duct Insulation (aircell)	Attic	75-90% Chrysotile	Ref. sample 134		Undamaged (friable)	Moderate	7	Maintain
208-137	Flexible connector/vibration damper	Attic	None detected	N/A	N/A	N/A	N/A		
208-138	Flexible connector/vibration damper	Attic	None detected	N/A	N/A	N/A	N/A		
208-139	Plaster composite	Attic	None detected	N/A	N/A	N/A	N/A		
208-140	Window caulking	Room 209	None detected	N/A	N/A	N/A	N/A		
208-141	Exterior stucco	North side	None detected	N/A	N/A	N/A	N/A		
208-142	Window caulking	North side	None detected	N/A	N/A	N/A	N/A		
208-143	Exterior stucco	West side	None detected	N/A	N/A	N/A	N/A		
208-144	Window caulking	West side	5-15% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
208-145	Exterior stucco	West side	None detected	N/A	N/A	N/A	N/A		
208-146	Resilient floor tile and mastic, 9" x 9", brown with black and yellow streaks	Room 103	10% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		

82 - 239

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
208-147	Resilient floor tile and mastic, 9" x 9", brown with black and yellow streaks	Room 103	10% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
208-148	Sink undercoat	Room 201	None detected	N/A	N/A	N/A	N/A		
208-149	Resilient floor tile and mastic, 12" x 12", brown with black and white dots	Room 222	None detected	N/A	N/A	N/A	N/A		
208-150	Resilient floor tile and mastic, 12" x 12", brown with black and white dots	Room 222	None detected	N/A	N/A	N/A	N/A		
208-151/ 11-29-95	Debris (suspect TSI) (small amounts scattered)	Room 10, crawl space	5% Amosite 5% Chrysotile	1,400	SF	Significantly damaged (friable)	High	3	Remove
208-152/ 11-24-95	Debris (suspect TSI)	Room 10, crawl space	10% Amosite	Ref. sample 151		Significantly damaged (friable)	High	3	Remove
208-153	Resilient floor tile and mastic, 12" x 12", blue with white streaks	Room 19	None detected	N/A	N/A	N/A	N/A		
208-154	Resilient floor tile and mastic, 12" x 12", blue with white streaks	Room 19	None detected	N/A	N/A	N/A	N/A		
208-155	Resilient floor tile and mastic, 12" x 12", olive with white streaks	Room 19	None detected	N/A	N/A	N/A	N/A		
208-156/ 11-29-95	Debris (suspect TSI)	Crawl space, room 15A	10% Amosite 50% Chrysotile	1,500	SF	Significantly damaged (friable)	High	3	Remove

82-240

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
208-157 / 11-29-95	Debris (suspect TSI)	Crawl space, room 15A	60% Chrysotile	Ref. sample	156	Significantly damaged (friable)	High	3	Remove
208-158 / 11-29-95	Pipe run insulation, 5" OD	Room 5	50% Chrysotile	50	LF	Undamaged (friable)	Low Moderate	7	Maintain
208-159 / 11-29-95	Pipe joint insulation, 4" OD (elbow)	Room 5	20% Amosite 20% Chrysotile	20	EA	Undamaged (friable)	Moderate	4	Patch
208-160 / 11-29-95	Pipe run insulation, 3" OD	Room 5	10% Chrysotile	50	LF	Undamaged (friable)	Low Moderate	7	Maintain

NOTES:

- 1) Ref. 208-038/039/069/071/073 to 075/077. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref 208-038/039/048/069 to 071/073 to 075/077 to 082/105 to 116/118/122/123/158 to 160. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.

82-241

- 6) Ref. 208-018/035/148. Sink Undercoat is typically a black, cream, or grey material found on the underside of many stainless steel sinks located throughout the VA Hospital complex. The black, grey, and some of the cream material has been found to be asbestos-positive. The newer material appears to be a white fibrous material which has been found to be asbestos-negative. It is difficult to accurately estimate the number of sinks which have asbestos-containing sink undercoat material without sampling each individual sink in question. Therefore, the number listed in the ACM Quantity column is the number of asbestos-positive sinks in that area.
- 7) Ref. 208-049. Only one sample of Transite sheet material was sampled. It is difficult to accurately estimate the number of radiators which have asbestos-containing transite sheet material without sampling each individual radiator in question. In the "ACM Quantity" column, we have included a total quantity of radiators containing this transite sheet material in the area sampled. In Section b. Material and Cost Data, an estimate of the total number of radiators located throughout the building is provided.
- 8) In some rooms several different types of resilient floor tile may be present. For convenience, and in instances where the asbestos-containing RFT comprises the majority of the floor area, all floor tiles have been combined together because the entire room will be abated, not just the asbestos-containing RFT. This is as follows:
- 9" x 9" brown with black and yellow streaks includes the following RFTs: 7" x 24" dark red RFT (border tiles) in rooms 206, 204, 203, 202, 216, 245, 103, 112, and 107; includes 9" x 9" dark red/brown with marbledized white streaks RFT in rooms 216, 221, 236, and 107; includes 9" x 9" yellow RFT in rooms 236 and 204; includes 12" x 12" white with copper and brown RFT in rooms 112 and 107; includes 9" x 9" reddish brown with dark brown and white streaks RFT in room 112. 12" x 12" cream with grey and white streaks RFT includes 7" x 24" dark red RFT (border tiles) in room 245 and includes 12" x 12" brown RFT (border tiles) in the east hallway on the first floor.
- 9) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 10) Ref. 208-140/142/144. Three samples of window caulking material were taken. Sample 144 was the only sample that tested positive for asbestos-content. It is difficult to accurately estimate the number of windows which have asbestos-containing window caulking without sampling each individual window in question. In the "ACM Quantity" column, we have included a total quantity of windows in the area Sampled. In Section b. Material and Cost Data, an estimate of the total number of ACM-windows located throughout the building is provided.

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-GLAHS BUILDING 208
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN K. SPIVEY**

November 15, 2002

November 15, 2002
Contract No. V691P-6501 Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
Bldg. 218, Room 328
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**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
BUILDING NO 208, VA-GLAHS WEST LA
11301 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073**

Environmental Engineering, Inc. on behalf of the United States Department of Veterans Affairs, reinspected the asbestos containing materials (ACM) in Building 208 of the USVA-Greater Los Angeles Healthcare System (GLAHS) in Los Angeles, California. Mr. James Spencer, Mr. Roman Akeh and Dr. Zainul Abedin of Environmental Engineering, Inc. performed the asbestos inspection at the Site on October 28, 2002. Mr. James Spencer (CAC#92-0368) and Mr. Roman Akeh (CAC #93-1176) are California asbestos consultants and Dr. Zainul Abedin is an asbestos building inspector and management planner and an accredited Lead Inspector, Risk Assessor and a Lead Supervisor (I/S-1151) in the State of California.

Environmental Engineering Inc. performed the survey of the site structures to identify, assess, and sample suspect ACM at the Site, and to recommend, if necessary, appropriate response actions upon the findings of the survey. The survey consisted of a walk-through of the accessible areas, visual observation for the presence of potential ACM and sampling of presumed asbestos containing materials, and reassessment of the conditions of the known asbestos containing materials presently. Flooring, ceiling, baseboard, wall plaster, exterior stucco plaster, sink undercoat, carpet mastic, window caulking, HVAC duct flexible connector & vibration damper, thermal system insulation (TSI) on pipes, elbows, joints, ducts and debris, aircell, roofing felt and mastic were formerly sampled and tested. Friable asbestos was found in the following materials throughout the building:

- 3" Φ Pipe & Fitting Insulations
- 4" Φ Pipe & Fitting Insulations
- 5" Φ Pipe & Fitting Insulations
- 6" Φ Pipe & Fitting Insulations
- Aircell/Duct Insulations and
- TSI/Duct Insulation Debris

Bldg. 208, VA-GLAHS

Page 2

Non-friable asbestos was found in the following materials throughout the building:

- 9"X9" Floor Tile & Mastic
- 12"X12" Floor Tile & Mastic
- Carpet Mastic
- Transite Panels
- Sink Undercoat

Some of these known asbestos containing materials were removed from the Building 208 since 1996. These abated materials are summarized in Table 1.

The conditions of these known asbestos-containing materials were visually observed and re-assessed for management response actions. Based on the findings of this reinspection, friable pipe and fitting insulations have damages in rooms 12, 13, 16, 9 crawl space, 119 & 208 pipe chases requiring immediate removal. In addition, friable TSI/duct insulation debris were observed in rooms 10& 15A crawl spaces and 208 & 209 pipe chase that require immediate removal. Other known friable pipe & fitting insulations and aircell remained undamaged in rooms 1, 3A, 5, 13, 16, 20, 119 pipe chase and attic that require maintenance for regulatory compliance. Meanwhile, all non-friable resilient floor tiles and mastic, transite panels, carpet mastic and sink undercoat remained intact that require maintenance for regulatory compliance. The results of this survey are summarized in Table 2 with recommended management response actions.

Environmental Engineering, Inc. conducted the asbestos inspection in accessible areas of the Site. Other conditions may exist in inaccessible areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. This survey was performed in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature. If you have any questions concerning the methodology or the results of this survey, please contact us at (818) 547-1330.

Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,



Zainul Abedin, PhD, REA
Project Manager

Table 1 : Asbestos Abatement in Building 208

Date	Asbestos Containing Materials	Locations/Rooms	Quantity
11/28/01	Pipe Insulation	Ground Floor	6 lft
3 rd /Qtr/99	TSI Debris	Basement Crawl Space	
Others	Sink Undercoat	111	
	TSI/Duct Insulations	124 & 128 Ceilings	

- Notes :**
1. 9"x9" Floor tiles & mastic - 1 damaged in Room 105, 2 damaged in Room 114, 3 missing in 204, 2 missing in 220F and replaced in 220A.
 2. No TSI in Rooms 124 & 128 above Ceilings, damaged TSI in Rooms 1 & 9, damaged joints in Room 13
 3. No more sink undercoat in Room 111

**Table 2: BUILDING 208, VA-GLAHS
ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 10/28/02

Materials	Location/Rooms	ACIM Condition	Friability	Potential Exposure	Priority	Response
3" Ø Pipe & Fitting Insulations	5	Undamaged	Yes	Low	7	Maintain
4" Ø Pipe & Fitting Insulations	9 Crawl Space, 18 Hall, 119 Pipe Chase, 208 Pipe Chase	Significantly Damaged	Yes	High	2	Remove
5" Ø Pipe Fitting Insulations	3A, 5, 13	Undamaged	Yes	Low	7	Maintain
6" Ø Pipe Fitting Insulations	12, 16	Damaged	Yes	High	2	Patch
6" Ø Pipe Insulations	5	Undamaged	Yes	Low	7	Maintain
Aircell & Duct Insulations	1, 13, 16	Undamaged	Yes	Low	7	Maintain
TS/Duct Insulations Debris	13, 16	Damaged	Yes	High	2	Patch
	20, 119 Pipe Chase, Attic	Undamaged	Yes	Low	7	Maintain
	119 Pipe Chase	Damaged	Yes	High	4	Remove
	10 & 15A Crawl Space, 208 & 209 Pipe Chase	Significantly Damaged	Yes	High	2	Remove
9"x9" Floor Tile & Mastic	103, 112, 204, 206, 220, 220A-G	Undamaged	No	Low	7	Maintain
12"x12" Floor Tile & Mastic	3, 11A, 15, 112, 208A, 207, Elevator Hall, 2 nd Flr East Hall	Undamaged	No	Low	7	Maintain
7"x24" Floor Tile & Mastic	112, 203, 204	Undamaged	No	Low	7	Maintain
Carpet Mastic	118	Undamaged	No	Low	7	Maintain
Transite Panels	124	Undamaged	No	Low	7	Maintain
Sink Undercoat	119	Undamaged	No	Low	7	Maintain

c. Sampling Records

BUILDING 209

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
209-001	Resilient floor tile and mastic, 12" x 12", white with blue, brown and black streaks	Room 142A	5% Chrysotile	4,320	SF	Undamaged (nonfriable)	Low		
209-002	Resilient floor tile and mastic, 12" x 12", white with blue, brown and black streaks	Room 142A	None detected	N/A	N/A	N/A	N/A		
209-003	Ceiling panel, 2' x 4', type 1	Room 142A	None detected	N/A	N/A	N/A	N/A		
209-004	Ceiling panel, 2' x 4', type 2	Room 142A	None detected	N/A	N/A	N/A	N/A		
209-005	Resilient floor tile and mastic, 12" x 12", white with brown and olive streaks	Hallway by room 181	5% Chrysotile	7,930	SF	Undamaged (nonfriable)	Low		
209-006	Resilient floor tile and mastic, 12" x 12", tan with dark brown and cream	Room 181	None detected	N/A	N/A	N/A	N/A		
209-007	Resilient floor tile and mastic, 12" x 12", tan with dark brown and cream	Room 183	None detected	N/A	N/A	N/A	N/A		
209-008	Baseboard and mastic, 3" high, brow	Room 183	None detected	N/A	N/A	N/A	N/A		
209-009	Plaster composite	Room 183	None detected	N/A	N/A	N/A	N/A		
209-010	Resilient floor tile and mastic, 12" x 12", white w/ small tan streaks	Room 182	None detected	N/A	N/A	N/A	N/A		
209-011	Baseboard and mastic, 3" high, grey	Room 157	None detected	N/A	N/A	N/A	N/A		
209-012	Baseboard and mastic, 5" high, brow	Room 181	None detected	N/A	N/A	N/A	N/A		

82-248

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
209-013	Resilient floor tile and mastic, 12" x 12", olive with white and brown streaks	Room 181	None detected	N/A	N/A	N/A	N/A		
209-014	Ceiling panel, 2' x 4', type 3	Room 181	None detected	N/A	N/A	N/A	N/A		
209-015	Plaster composite	Room 181 (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
209-016	Grey material around piping	Hallway by room 181	None detected	N/A	N/A	N/A	N/A		
209-017	Duct sealant	Hallway by room 181	None detected	N/A	N/A	N/A	N/A		
209-018	Resilient floor tile and mastic, 12" x 12", grey with dark grey and white streaks	Room 132A	None detected	N/A	N/A	N/A	N/A		
209-019	Baseboard and mastic, 3" high, chocolate brown	Room 132A	None detected	N/A	N/A	N/A	N/A		
209-020	Resilient floor tile and mastic, 12" x 12", white with olive streaks	Room 142A	None detected	N/A	N/A	N/A	N/A		
209-021	Plaster composite	Room 138	None detected	N/A	N/A	N/A	N/A		
209-022	Brown material on wall	Room 135 (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
209-023	Plaster composite	Room 110	None detected	N/A	N/A	N/A	N/A		
209-024	Sink undercoat	Room 128	None detected	N/A	N/A	N/A	N/A		
209-025	Baseboard and mastic, 3" high, brown	Hallway by room 123	None detected	N/A	N/A	N/A	N/A		
209-026	Resilient floor tile and mastic, 12" x 12", tan with dark brown and cream	Room 120	None detected	N/A	N/A	N/A	N/A		
209-027	Resilient floor tile and mastic, 12" x 12", white with olive streaks	Room 256	None detected	N/A	N/A	N/A	N/A		

82, 249

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
209-028	Ceiling panel, 2' x 4', type 2	Room 256	None detected	N/A	N/A	N/A	N/A		
209-029	Resilient floor tile and mastic, 12" x 12", olive with white and brown streaks	Room 287	None detected	N/A	N/A	N/A	N/A		
209-030	Resilient floor tile and mastic, 12" x 12", olive with white and brown streaks	Room 287	None detected	N/A	N/A	N/A	N/A		
209-031	Baseboard and mastic, 5" high, brown	Room 287	None detected	N/A	N/A	N/A	N/A		
209-032	Resilient floor tile and mastic, 12" x 12", grey with dark grey and white streaks	Room 251	None detected	N/A	N/A	N/A	N/A		
209-033	Resilient floor tile and mastic, 12" x 12", grey with dark grey and white streaks	Room 251	None detected	N/A	N/A	N/A	N/A		
209-034	Resilient floor tile and mastic, 12" x 12", white and olive	Hallway by room 248	None detected	N/A	N/A	N/A	N/A		
209-035	Resilient floor tile and mastic, 12" x 12", white with brown and olive streaks	Hallway by room 248	None detected	N/A	N/A	N/A	N/A		
209-036	Ceiling panel, 2' x 4', type 1	Hallway by room 247	None detected	N/A	N/A	N/A	N/A		
209-037	Ceiling panel, 2' x 4', type 1	Southwest room by room 244	None detected	N/A	N/A	N/A	N/A		
209-038	Textured paint and plaster	Southwest room by room 244	None detected	N/A	N/A	N/A	N/A		
209-039	Textured paint and plaster	Southwest room by room 244	None detected	N/A	N/A	N/A	N/A		
209-040	Resilient floor tile and mastic, 12" x 12", white and olive	Hallway by room 248	None detected	N/A	N/A	N/A	N/A		

209-250

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	ACM Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
209-041	Resilient floor tile and mastic, 12" x 12", white w/ olive streaks	Southwest room by room 244	None detected	N/A	N/A	N/A	N/A		
209-042	Resilient floor tile and mastic, 12" x 12", white w/ olive streaks	Southwest room by room 244	None detected	N/A	N/A	N/A	N/A		
209-043	Resilient floor tile and mastic, 12" x 12", white with blue, brown and black streaks	Room 234	None detected	N/A	N/A	N/A	N/A		
209-044	Baseboard and mastic, 3" high, grey	Room 234	None detected	N/A	N/A	N/A	N/A		
209-045/ 11-22-95	Duct insulation (aircell)	Attic	40% Chrysotile	700	EA	Undamaged (friable)	Moderate	6	Maintain
209-046	Flexible connector/vibration dampener	Attic	None detected	N/A	N/A	N/A	N/A		
209-047	Flexible connector/vibration dampener	Attic	None detected	N/A	N/A	N/A	N/A		
209-048/ 11-22-95	Duct insulation (aircell)	Attic	50-75% Chrysotile	Ref. sample 045		Undamaged (friable)	Moderate	6	Maintain
209-049/ 11-22-95	Duct insulation (aircell)	Attic	45-69% Chrysotile	Ref. sample 045		Undamaged (friable)	Moderate	6	Maintain
209-050	Flexible connector/vibration dampener	Attic	None detected	N/A	N/A	N/A	N/A		
209-051	Flexible connector/vibration dampener	Attic	None detected	N/A	N/A	N/A	N/A		
209-052	Resilient floor tile and mastic, 12" x 12", pink	Elevator	None detected	N/A	N/A	N/A	N/A		
209-053	Resilient floor tile and mastic, 12" x 12", pink	Elevator	None detected	50	SF	Undamaged (nonfriable)	Low		
209-054	Resilient floor tile and mastic, 12" x 12", white with small tan streaks	Elevator lobby, basement level	None detected	N/A	N/A	N/A	N/A		

82-251

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
209-055	Baseboard and mastic, 5" high, crea	Elevator lobby, basement level	None detected	N/A	N/A	N/A	N/A		
209-056	Baseboard and mastic, 5" high, crea	Hallway by room 6	None detected	N/A	N/A	N/A	N/A		
209-057	Resilient floor tile and mastic, 12" x 12", white with small tan streaks	Hallway by room 6	None detected	N/A	N/A	N/A	N/A		
209-058	Ceiling panel, 2' x 4', type 2	Elevator lobby, basement level	None detected	N/A	N/A	N/A	N/A		
209-059/ 11-21-95	Pipe joint insulation, 5"OD (elbow)	Room 4	20% Amosite 60% Chrysotile	2	EA	Damaged (friable)	Moderate	4	Patch
209-060/ 11-21-95	Pipe run insulation, 4" OD	Hallway by room 6	40% Amosite	71	LF	Damaged (friable)	Moderate	4	Cap ends
209-061/ 11-21-95	Pipe run insulation, 5" OD	Hallway by room 6	30-60% Chrysotile	18	LF	Slightly damaged (friable)	Moderate	5	Patch
209-062/ 11-21-95	REMOVED								
209-063/ 11-21-95	Pipe joint insulation, 4"OD (elbow)	Hallway by room 6	20% Amosite 20% Chrysotile	Ref. sample 059		Slightly damaged (friable)	Moderate	5	Remove
209-064	Baseboard and mastic, 5" high, crea	Hallway by room 6	None detected	N/A	N/A	N/A	N/A		
209-065/ 11-21-95	Pipe joint insulation, 3"OD (elbow)	Hallway leading to Building 208	20-30% Amosite 35-40% Chrysotile	3	EA	Undamaged (friable)	Low	5	Maintain
209-066/ 11-21-95	Pipe run insulation, 3" OD	Hallway leading to Building 208	60% Chrysotile	45	LF	Undamaged (friable)	Low	5	Maintain
209-067/ 11-21-95	Pipe run insulation, 4" OD	Hallway leading to Building 208	75-90% Chrysotile	45	LF	Undamaged (friable)	Low	5	Maintain

82-252

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
209-068 / 11-21-95	Pipe joint insulation, 4" OD (elbow)	Hallway leading to Building 208	15-30% Amosite 20-35% Chrysotile	3	EA	Undamaged (friable)	Low	5	Maintain
209-069 / 11-21-95	Pipe joint insulation, 4" OD (flitting)	Hallway leading to Building 208	40% Chrysotile	1	EA	Undamaged (friable)	Low	5	Maintain
209-070 / 11-21-95	Pipe joint insulation, 3" OD (elbow)	Hallway leading to Building 208	80-90% Chrysotile	3	EA	Undamaged (friable)	Low	5	Maintain
209-071 / 11-29-95	Pipe joint insulation, 2" OD (elbow)	Room 17	5-10% Amosite 20-30% Chrysotile	1	EA	Undamaged (friable)	Moderate	7	Maintain
209-072	Baseboard and mastic, 3" high, black	Room 16	None detected	N/A	N/A	N/A	N/A		
209-073	Baseboard and mastic, 3" high, black	Room 16	None detected	N/A	N/A	N/A	N/A		
209-074	Baseboard and mastic, 3" high, black	Room 16C	None detected	N/A	N/A	N/A	N/A		
209-075	Resilient floor tile and mastic, 12" x 12", yellow	Room 19	5% Chrysotile	430	SF	Undamaged (nonfriable)	Low		
209-076	Resilient floor tile and mastic, 12" x 12", yellow	Room 19	2-5% Chrysotile (mastic->1% asbestos)	Ref. sample 075		Undamaged (nonfriable)	Low		
209-077	Resilient floor tile and mastic, 12" x 12", yellow	Room 19	1-5% Chrysotile (mastic-none detected)	Ref. sample 075		Undamaged (nonfriable)	Low		
209-078 / 11-21-95	Pipe run insulation, 10" OD	Room 19	20% Amosite 20% Chrysotile	30	LF	Slightly damaged (friable)	Moderate	5	Patch
209-079 / 11-21-95	Pipe run insulation, 4" OD	Room 19	80% Chrysotile	30	LF	Significantly damaged (friable)	Moderate	3	Cap end
209-080 / 11-21-95	Pipe joint insulation, 3" OD (elbow)	Room 19	80% Chrysotile	3	EA	Slightly damaged (friable)	Moderate	5	Patch

82-253

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	ACM Condition and Friability	Potential Exposure	Priority	Response
209-081 / 11-21-95	Pipe run insulation, 3" OD	Room 19	15-30% Amosite 25-40% Chrysotile	Ref. sample 79	Slightly damaged (friable)	Moderate	5	Patch
209-082	Ceiling panel, 2' x 4', type 3	Room 14	None detected	N/A	N/A	N/A		
209-083	Resilient floor tile and mastic, 9" x 9", light brown	Room 14	15% Chrysotile	SF	Undamaged (nonfriable)	Low		
209-084	Resilient floor tile and mastic, 9" x 9", light brown	Room 14	30-40% Chrysotile (mastic-none detected)	Ref. sample 083	Undamaged (nonfriable)	Low		
209-085	Resilient floor tile and mastic, 9" x 9", dark brown	Room 14	10% Chrysotile	110 SF	Undamaged (nonfriable)	Low		
209-086	Resilient floor tile and mastic, 9" x 9", dark brown	Room 14	35-40% Chrysotile (mastic-none detected)	Ref. sample 085	Undamaged (nonfriable)	Low		
209-087	Ceiling panel, 2' x 4', type 4	Room 14	None detected	N/A	N/A	N/A		
209-088	Ceiling panel, 2' x 4', type 4	Room 14	None detected	N/A	N/A	N/A		
209-089	Ceiling panel, 2' x 4', type 3	Room 14	None detected	N/A	N/A	N/A		
209-090	Resilient floor tile and mastic, 9" x 9", light brown	Room 15	5-12% Chrysotile (mastic->1% asbestos)	Ref. sample 083	Undamaged (nonfriable)	Low		
209-091	Resilient floor tile and mastic, 9" x 9", dark brown	Room 15	15-25% Chrysotile (mastic->1% asbestos)	Ref. sample 085	Undamaged (nonfriable)	Low		
209-092 / 11-29-95	REMOVED	-	-	-	-	-	-	-
209-093 / 11-29-95	REMOVED	-	-	-	-	-	-	-
209-094	Resilient floor tile and mastic, 12" x 12", green	Room 16	2% Chrysotile	8,780 SF	Undamaged (nonfriable)	Low		

82-254

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
209-095	Resilient floor tile and mastic, 12" x 12", white with copper streaks	Room 16	5% Chrysotile	Ref. sample 094		Undamaged (nonfriable)	Low		
209-096	Resilient floor tile and mastic, 12" x 12", green	Room 16	floor tile-none detecte (mastic->1% asbestos)	Ref. Sample 094		Undamaged (nonfriable)	Low		
209-097	Resilient floor tile and mastic, 12" x 12", white with copper streaks	Room 16	floor tile-none detecte (mastic->1% asbestos)	Ref. Sample 095		Undamaged (nonfriable)	Low		
209-098	Resilient floor tile and mastic, 12" x 12", white with copper streaks	Room 16	floor tile-none detecte (mastic->1% asbestos)	Ref. Sample 095		Undamaged (nonfriable)	Low		
209-099 / 11-21-95	Pipe joint insulation, 3" OD (elbow)	Room 19	40% Amosite 20% Chrysotile	1	EA	Significantly damaged (friable)	Moderate	3	Cap end or remove
209-100 / 11-21-95	Pipe run Insulation, 3" OD	Room 19	25-30% Amosite 10-25% Chrysotile	33	LF	Undamaged (friable)	Moderate	6	Maintain
209-101 / 11-21-95	Pipe joint insulation, 2" OD (elbow)	Room 19	10% Amosite 10% Chrysotile	1	EA	Slightly damaged (friable)	Moderate	5	Patch
209-102 / 11-21-95	Pipe run insulation, 4" OD	Hallway leading to Building 208	45-60% Amosite 5-15% Chrysotile	Ref. sample 067		Undamaged (friable)	Moderate	6	Maintain
209-103 / 11-21-95	Pipe run Insulation, 10" OD	Room 19	25-40% Amosite 10-20% Chrysotile	3	LF	Undamaged (friable)	Moderate	6	Maintain
209-104 / 11-21-95	Pipe run Insulation, 3" OD	Room 19	55-77% Chrysotile	Ref. sample 100		Undamaged (friable)	Moderate	6	Maintain
209-105 / 11-21-95	Pipe run insulation, 2" OD	Room 19	5-15% Amosite 30-40% Chrysotile	36	LF	Undamaged (friable)	Moderate	6	Maintain
209-106 / 11-21-95	Pipe joint insulation, 3" OD (elbow)	Hallway leading to Building 208	10% Chrysotile	3	EA	Undamaged (friable)	Moderate	6	Maintain

002-255

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
209-107	Resilient floor tile and mastic, 12" x 12", white	Room 13	5% Chrysotile	100	SF	Undamaged (nonfriable)	Low		
209-108	Resilient floor tile and mastic, 12" x 12", white	Room 13	Floor tile-none detected (mastic->1% asbestos)	Ref. sample 107		Undamaged (nonfriable)	Low		
209-109	Resilient floor tile and mastic, 12" x 12", white	Room 13	None detected	N/A	N/A	N/A	N/A		
209-110	Resilient floor tile and mastic, 9" x 9", red with streaks	Room 11	5% Chrysotile	3,800	SF	Undamaged (nonfriable)	Low		
209-111	Resilient floor tile and mastic, 9" x 9", red with streaks	Room 11	5% Chrysotile	Ref. Sample 110		Undamaged (nonfriable)	Low		
209-112	Resilient floor tile and mastic, 9" x 9", red with streaks	Room 11	10-15% Chrysotile (mastic->1% asbestos)	Ref. Sample 110		Undamaged (nonfriable)	Low		
209-113 / 11-21-95	Pipe run insulation, 10" OD	Room 21	25-35% Amosite 20-25% Chrysotile	10	LF	Significantly damaged (friable)	High	2	Patch & cap ends
209-114	Asbestos cement (transite) ceiling panel, 2' x 4', type 5	Room 16E	5% Chrysotile	400	SF	Undamaged (nonfriable)	Low		
209-115	Asbestos cement (transite) ceiling panel, 2' x 4', type 5	Room 16E	30-40% Chrysotile	Ref. sample 114		Undamaged (nonfriable)	Low		
209-116	Asbestos cement (transite) ceiling panel, 2' x 4', type 5	Room 16E	25-35% Chrysotile	Ref. sample 114		Undamaged (nonfriable)	Low		
209-117	Exterior stucco	South side	None detected	N/A	N/A	N/A	N/A		
209-118	Duct sealant	Exterior, south side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		
209-119	Duct sealant	Exterior, south side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		

256

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
209-120	Canvas tape	Exterior, south side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		
209-121	Canvas tape	Exterior, south side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		
209-122	Exterior stucco	West side	None detected	N/A	N/A	N/A	N/A		
209-123	Exterior stucco	West side	None detected	N/A	N/A	N/A	N/A		
209-124	Sink undercoat	Room 128	None detected	N/A	N/A	N/A	N/A		
209-125	Asbestos cement (transite) panel behind radiator	Room 287	60% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
209-126	Asbestos cement (transite) panel behind radiator	Room 285	40% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
209-127	Mastic material	Room 283 (under carpet)	None detected	N/A	N/A	N/A	N/A		
209-128	Resilient sheet flooring, brown	Room 21	None detected	N/A	N/A	N/A	N/A		
209-129	Resilient sheet flooring, brown	Room 21	None detected	N/A	N/A	N/A	N/A		
209-130 11-22-95	Pipe run insulation, 3" OD	Room 3	20% Amosite 40% Chrysotile	15	LF	Undamaged (friable)	Moderate	6	Maintain
209-131 11-22-95	Pipe joint insulation, 3" OD (elbow)	Room 3	20% Amosite 40% Chrysotile	1	EA	Undamaged (friable)	Moderate	6	Maintain
209-132 11-22-95	Pipe joint insulation, 2" OD (elbow)	Room 3	60% Chrysotile	2	EA	Undamaged (friable)	Moderate	6	Maintain
209-133 11-22-95	Pipe run insulation, 8" OD	Room 3	40% Amosite	10	LF	Undamaged (friable)	Moderate	6	Patch

82-257

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
209-134 / 11-22-95	Pipe joint insulation, 8" OD (elbow)	Room 3	40% Amosite	1	EA	Undamaged (friable)	Moderate 6	6	Maintain
209-135 / 11-22-95	Pipe run insulation, 5" OD	Room 3	60% Chrysotile	10	LF	Slightly damaged (friable)	Moderate 6	6	Patch
209-136 / 11-22-95	Pipe joint insulation, 5" OD (elbow)	Room 3	40% Amosite	1	EA	Undamaged (friable)	Moderate 6	6	Maintain
209-137 / 11-22-95	Pipe joint insulation, 2" OD (elbow)	Room 3	20% Amosite	2	EA	Undamaged (friable)	Moderate 6	6	Maintain
209-138 / 11-22-95	Pipe run insulation, 3" OD	Room 3	60% Chrysotile	12	LF	Damaged (friable)	Moderate 4	4	Patch
209-139 / 11-22-95	Pipe joint insulation, 3" OD (elbow)	Room 3	40% Amosite	1	EA	Undamaged (friable)	Moderate 6	6	Maintain
209-140 / 11-22-95	Pipe run insulation, 6" OD	Room 3	60% Chrysotile	50	LF	Damaged (friable)	Moderate 4	4	Patch
209-141 / 11-22-95	Pipe joint insulation, 6" OD (elbow)	Room 3	40% Amosite 20% Chrysotile	3	EA	Undamaged (friable)	Moderate 6	6	Maintain
209-142	Resilient floor tile and mastic, 12" x 12", white with red and black streaks	Room 2	5% Chrysotile	130	SF	Undamaged (nonfriable)	Low		
209-143	Resilient floor tile and mastic, 12" x 12", white with red and black streaks	Room 2	5% Chrysotile	Ref. sample 142		Undamaged (nonfriable)	Low		

002, 258

NOTES:

- 1) Ref. 209-059/061/063/092/093. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref. 209-059 to 063/065 to 071/078 to 081/092/093/099 to 106/113/130 to 141. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transite piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 6) Ref. 209-024/124. Sink Undercoat is typically a black, cream, or grey material found on the underside of many sinks located throughout the VA Hospital complex. The black, grey, and some of the cream material has been found to be asbestos-positive. The newer material appears to be a white fibrous material which has been found to be asbestos-negative. It is nearly impossible to accurately estimate the number of sinks which have asbestos-containing sink undercoat material without sampling each individual sink in question.
- 7) Ref. 209-114 to 116/125/126. Transite sheet material. It is difficult to accurately estimate the number of radiators which have asbestos-containing transite sheet material without sampling each individual radiator in question. In the "ACM Quantity" column, we have included a total quantity of radiators containing this transite sheet material in the area sampled. In Section b. Material and Cost Data, an estimate of the total number of radiators located throughout the building is provided.
- 8) In some rooms several different types of resilient floor tile may be present. For convenience, and in instances where the asbestos-containing RFT comprises the majority of the floor area, all floor tiles have been combined together because the entire room will be abated, not just the asbestos-containing RFT. This is as follows:
12" x 12" green resilient floor tile includes 12" x 12" white with small copper streaks RFT located throughout the building; 12" x 12" white with blue, brown and black streaks RFT includes 12" x 12" grey with dark grey streaks RFT in room 122A; 9" x 9" light brown RFT includes 9" x 9" dark brown RFT in room 14.
- 9) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 10) The roofing system of this building consists of clay tiles with roofing felt below the tiles. Felt samples were not taken because the roof access door could not be opened. Based on the sample results of similar roofing systems at the VA Hospital Complex, there is the possibility that the roofing felt material may be asbestos-containing. Sampling of the roofing system should be completed prior to renovation of the roofing system.

02.259

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-GLAHS BUILDING 209
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN K. SPIVEY**

November 15, 2002

November 15, 2002
Contract No. V691P-6501 Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
Bldg. 218, Room 328
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**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
BUILDING NO 209, VA-GLAHS WEST LA
11301 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073**

Environmental Engineering, Inc. on behalf of the United States Department of Veterans Affairs, reinspected the asbestos containing materials (ACM) in Building 209 of the USVA-Greater Los Angeles Healthcare System (GLAHS) in Los Angeles, California. Mr. James Spencer, Mr. Roman Akeh and Dr. Zainul Abedin of Environmental Engineering, Inc. performed the asbestos inspection at the Site on October 25, 2002. Mr. James Spencer (CAC#92-0368) and Mr. Roman Akeh (CAC #93-1176) are California asbestos consultants and Dr. Zainul Abedin is an asbestos building inspector and management planner and an accredited Lead Inspector, Risk Assessor and a Lead Supervisor (I/S-1151) in the State of California.

Environmental Engineering Inc. performed the survey of the site structures to identify, assess, and sample suspect ACM at the Site, and to recommend, if necessary, appropriate response actions upon the findings of the survey. The survey consisted of a walk-through of the accessible areas, visual observation for the presence of potential ACM and sampling of presumed asbestos containing materials, and conditional reassessment of the known ACMs. Flooring, ceiling, carpet mastic, baseboard, wall plaster, joint compounds, sink undercoat, exterior wall stucco, HVAC duct sealant, flexible connector/vibration damper, thermal system insulation (TSI) on pipes, elbows, joints, ducts and debris, aircell and asphaltic roofing felt were formerly sampled and tested. Friable asbestos was found in the following materials throughout the building:

- 2"-5"Φ Pipe & Fitting Insulations
- 10"Φ Pipe & Fitting Insulations
- Aircell & Duct Insulations

Non-friable asbestos was found in the following materials throughout the building:

- 9"X9" Resilient Floor Tile & Mastic
- 12"X12" Resilient Floor Tile & Mastic
- Transite Panels

There was no major asbestos containing materials removal from the Building 209 since 1996. Approximately, 100 square foot of ACM debris were cleaned from the attic space in 2002.

The conditions of the remaining asbestos-containing materials were visually observed and re-assessed for management response actions. Based on the findings of this reinspection, significantly damaged pipe insulations remained in room 21 that require immediate action and/or removal. In addition, damaged pipe and fitting insulations were observed in rooms 3, 4, 6 hall and 19 that require patching and maintenance. Non-friable floor tiles and transite panels remained undamaged in most places with 9"x9" floor tiles damaged in several places in room 14. The results of this survey are summarized in Table 1 with recommended management response actions.

Environmental Engineering, Inc. conducted the asbestos inspection in accessible areas of the Site. Other conditions may exist in inaccessible areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. This survey was performed in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature. If you have any questions concerning the methodology or the results of this survey, please contact us at (818) 547-1330.

Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,



Zainul Abedin, PhD, REA
Project Manager

**Table 1: BUILDING 209, VA-GLAHS
ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 10/25/02

Materials	Location/Rooms	ACM Condition	Friability	Potential Exposure	Priority	Response
2" @ Pipe & Fitting Insulations	3, 17, 18	Undamaged	Yes	Moderate	6	Maintain
3" @ Pipe & Fitting Insulations	3, 19, Hallway to Bldg 208	Undamaged	Yes	Moderate	6	Maintain
		Damaged	Yes	Moderate	3	Patch
4" @ Pipe & Fitting Insulations	Hallway to Bldg 208	Undamaged	Yes	Moderate	6	Maintain
		Damaged	Yes	Moderate	3	Patch
5" @ Pipe & Fitting Insulations	4, 6 Hallway	Damaged	Yes	Moderate	4	Patch
		Damaged	Yes	Moderate	4	Patch
8" @ Pipe & Fitting Insulations	3	Undamaged	Yes	Moderate	6	Maintain
		Damaged	Yes	Moderate	5	Patch
10" @ Pipe & Fitting Insulations	21	Significantly Damaged	Yes	High	2	Patch/Remove
		Undamaged	Yes	Moderate	5	Maintain
Attic		Undamaged	Yes	Moderate	5	Maintain
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9"x8" Floor Tile Mastic	11, 14, 15	Undamaged	No	Low	7	Maintain
12"x12" Floor Tile Mastic	2, 13, 16, 19, 142A, 161 Hall	Undamaged	No	Low	7	Maintain
Transit Panels	10E, 205, 207	Undamaged	No	Low	7	Maintain

Notes : 1. TSI in Basement Room 3, Hallway to Bldg 208 are intact
2. 9"x8" Floor Tiles : Several tiles damaged in Room 14

82-263

c. Sampling Records

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
BUILDING 210									
210-001	Resilient floor tile and mastic, 9" x 9", dark reddish brown	Room 101A, underneath carpet	10-20% Chrysotile (mastic-none detected)	270	SF	Undamaged (nonfriable)	Low		
210-002	Resilient floor tile and mastic, 9" x 9", dark reddish brown	Room 101A, underneath carpet	10-25% Chrysotile (mastic-none detected)	Ref. sample 001		Undamaged (nonfriable)	Low		
210-003	Carpet mastic	Room 101A	None detected	N/A	N/A	N/A	N/A		
210-004	Carpet mastic	Room 101A	None detected	N/A	N/A	N/A	N/A		
210-005	Baseboard and mastic, 5" high, dark brown	Room 101A	None detected	N/A	N/A	N/A	N/A		
210-006	Baseboard and mastic, 5" high, dark brown	Room 101A	None detected	N/A	N/A	N/A	N/A		
210-007	Resilient floor tile and mastic, 12" x 12", blue	Restroom next to room 101A	10-20% Chrysotile (mastic-none detected)	45	SF	Undamaged (nonfriable)	Low		
210-008	Resilient floor tile and mastic, 12" x 12", blue	Restroom next to room 101A	10-25% Chrysotile (mastic-none detected)	Ref. sample 007		Undamaged (nonfriable)	Low		
210-009	Ceiling panel, 2' x 4', white, type 1	Room 101A	None detected	N/A	N/A	N/A	N/A		
210-010	Ceiling panel, 2' x 4', white, type 1	Room 101A	None detected	N/A	N/A	N/A	N/A		
210-011	Ceiling panel, 2' x 4', white, type 2	Room 101A	None detected	N/A	N/A	N/A	N/A		
210-012	Ceiling panel, 2' x 4', white, type 2	Room 101	None detected	N/A	N/A	N/A	N/A		

002-264

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
210-013	Resilient floor tile and mastic, 12" x 12", beige w/ brown spots	Room 102	None detected	N/A	N/A	N/A	N/A		
210-014	Resilient floor tile and mastic, 12" x 12", beige w/ brown spots	Room 125	None detected	N/A	N/A	N/A	N/A		
210-015	Resilient sheet flooring and mastic, mustard	Room 119	None detected	N/A	N/A	N/A	N/A		
210-016	Resilient sheet flooring and mastic, mustard	Room 119	None detected	N/A	N/A	N/A	N/A		
210-017	Resilient sheet flooring and mastic, mustard	Room 122	None detected	N/A	N/A	N/A	N/A		
210-018	Resilient floor tile and mastic, 12" x 12", white w/ black streaks	Room 122	None detected	N/A	N/A	N/A	N/A		
210-019	Resilient floor tile and mastic, 12" x 12", white w/ black streaks	Room 122	None detected	N/A	N/A	N/A	N/A		
210-020	Resilient floor tile and mastic, 12" x 12", white w/ black streaks	Hallway, 1st floor, below water fountain	None detected	N/A	N/A	N/A	N/A		
210-021	Plaster composite	Room 101 A	None detected	N/A	N/A	N/A	N/A		
210-022	Exterior stucco	Southwest side	None detected	N/A	N/A	N/A	N/A		
210-023	Exterior stucco	Northwest side	None detected	N/A	N/A	N/A	N/A		
210-024	Exterior stucco	Northeast side	None detected	N/A	N/A	N/A	N/A		

82-265

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
210-025 / 11-14-95	Duct insulation (aircell)	Attic	65-84% Chrysotile	300	LF	Damaged (friable)	High	4	Remove
210-026 / 11-14-95	Duct Insulation (aircell)	Attic	85-95% Chrysotile	Ref. sample	025	Damaged (friable)	High	4	Remove
210-027 / 11-14-95	Duct Insulation (aircell)	Attic	55-80% Chrysotile	Ref. sample	025	Damaged (friable)	High	4	Remove
210-028	Flexible connector/vibration damper	Attic	None detected	N/A	N/A	N/A	N/A		
210-029	Flexible connector/vibration damper	Attic	None detected	N/A	N/A	N/A	N/A		
210-030	Flexible connector/vibration damper	Attic	None detected	N/A	N/A	N/A	N/A		
210-031	Asbestos cement (transite) plenum chamber	Attic	20-35% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
210-032	Asbestos cement (transite) plenum chamber	Attic	10-25% Chrysotile	Ref. sample	031	Undamaged (nonfriable)	Low		
210-033	Ceiling panel, 2' x 4', white, type 3	Room 227	None detected	N/A	N/A	N/A	N/A		
210-034	Resilient floor tile and mastic, 12" x 12", beige w/ brown spots	Room 227	None detected	N/A	N/A	N/A	N/A		
210-035	Resilient floor tile and mastic, 12" x 12", white w/ black streaks	Room 219	None detected	N/A	N/A	N/A	N/A		
210-036	Baseboard and mastic, 5" high, tan	Hallway adjacent to room 219	None detected	N/A	N/A	N/A	N/A		
210-037	Resilient floor tile and mastic, 12" x 12", white w/ black streaks	Room 202	None detected	N/A	N/A	N/A	N/A		

82-266

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
10-038	Resilient floor tile and mastic, 12" x 12", green	Room 202 A	None detected	N/A	N/A	N/A	N/A		
10-039	Resilient floor tile and mastic, 12" x 12", green	Room 202 A	None detected	N/A	N/A	N/A	N/A		
10-040	Pipe run insulation, 3" OD	Pipe chase by room 114	None detected	N/A	N/A	N/A	N/A		
10-041	Pipe run insulation, 3" OD	Pipe chase by room 114	None detected	N/A	N/A	N/A	N/A		
10-042	Pipe run insulation, 4" OD	Pipe chase by room 114	None detected	N/A	N/A	N/A	N/A		
10-043	Joint compound	Pipe chase by room 114	None detected	N/A	N/A	N/A	N/A		
10-044	Joint compound	Pipe chase by room 114	None detected	N/A	N/A	N/A	N/A		
10-045	Joint compound	Pipe chase by room 114	None detected	N/A	N/A	N/A	N/A		
10-046	Foam material, yellow (around phone lines)	Pipe chase by room 114	None detected	N/A	N/A	N/A	N/A		
10-047	Foam material, yellow (around phone lines)	Pipe chase by room 114	None detected	N/A	N/A	N/A	N/A		
10-048	Foam material, yellow (around phone lines)	Pipe chase by room 114	None detected	N/A	N/A	N/A	N/A		

82-267

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
210-049	Pipe run insulation, 3" OD	Pipe chase by room 114	None detected	N/A	N/A	N/A	N/A		
210-050/ 11-13-95	REMOVED	-	-	-	-	-	-	-	-
210-051/ 11-13-95	REMOVED	-	-	-	-	-	-	-	-
210-052/ 11-13-95	REMOVED	-	-	-	-	-	-	-	-
210-053/ 11-13-95	REMOVED	-	-	-	-	-	-	-	-
210-054/ 11-13-95	REMOVED	-	-	-	-	-	-	-	-
210-055	Ceiling panel, 2' x 4', white, type 3	Hallway by room 114	None detected	N/A	N/A	N/A	N/A		
210-056	Resilient floor tile and mastic, 12" x 12", beige w/ brown spots	Hallway by room 102	None detected	N/A	N/A	N/A	N/A		
210-057	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A	N/A	N/A		
210-058	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A	N/A	N/A		
210-059	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A	N/A	N/A		
210-060	Asbestos cement (transite) plenum chamber	Attic	10-25% Chrysotile	Ref. sample 031	Undamaged (nonfriable)	Low			

Q2-268

Sample No./ Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
210-061	Resilient floor tile and mastic, 9" x 9", dark reddish brown	Restroom next to room 101A	5-15% Chrysotile (mastic->1% asbestos)	2	SF	Undamaged (nonfriable)	Low		
210-062	Baseboard and mastic, 5" high, dark brown	Room 101B	None detected	N/A	N/A	N/A	N/A		
210-063	Carpet mastic	Room 101B	None detected	N/A	N/A	N/A	N/A		
210-064	Pipe joint insulation, 3" OD (elbow)	Basement, west stairwell	None detected	N/A	N/A	N/A	N/A		
210-065/ 11-14-95	Pipe joint insulation, 4" OD (elbow)	Basement, west stairwell	15-30% Chrysotile	1	EA	Undamaged (friable)	Moderate	7	Maintain
210-066	Pipe joint insulation, 3" OD (elbow)	Basement, west stairwell	None detected	N/A	N/A	N/A	N/A		
210-067	Resilient floor tile and mastic, 9" x 9", red with black streaks	Room 15	None detected	N/A	N/A	N/A	N/A		
210-068	Resilient floor tile and mastic, 9" x 9", red with black streaks	Room 15	None detected	N/A	N/A	N/A	N/A		
210-069	Resilient floor tile and mastic, 9" x 9", red with black streaks	Room 15	None detected	N/A	N/A	N/A	N/A		
210-070	Wall/ceiling panel, 2'x4', type 5	Room 8I	None detected	N/A	N/A	N/A	N/A		
210-071	Wall/ceiling panel, 2'x4', type 5	Room 8	None detected	N/A	N/A	N/A	N/A		
210-072	Wall/ceiling panel, 2'x4', type 5	Room 8	None detected	N/A	N/A	N/A	N/A		
210-073	Baseboard and mastic, 5" high, black	Room 8F	None detected	N/A	N/A	N/A	N/A		

B2-269

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
210-074	Resilient floor tile and mastic, 9" x 9", dark reddish brown	Room 8F, (below carpet)	10-20% Chrysotile (mastic-none detected)	1,650	SF	Undamaged (nonfriable)	Low		
210-075	Resilient floor tile and mastic, 9" x 9", dark reddish brown	Room 8 (below carpet)	15-25% Chrysotile (mastic-none detected)	Ref. sample 074		Undamaged (nonfriable)	Low		
210-076	Carpet backing and mastic	Room 8	None detected	N/A	N/A	N/A	N/A		
210-077	Carpet backing and mastic	Room 8F	None detected	N/A	N/A	N/A	N/A		
210-078	Plaster composite	Hallway by room 11 (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
210-079	Plaster composite	Room 9	None detected	N/A	N/A	N/A	N/A		
210-080	Baseboard and mastic, 5" OD, black	Room 15	None detected	N/A	N/A	N/A	N/A		
210-081	Plaster composite	Pipe chase by room 123	None detected	N/A	N/A	N/A	N/A		
210-082	Plaster composite	Pipe chase by room 114	None detected	N/A	N/A	N/A	N/A		
210-083	Resilient floor tile and mastic, 9" x 9", light reddish brown	Room 112	5-15% Chrysotile (mastic->1% asbestos)	35	SF	Undamaged (nonfriable)	Low		
210-084	Resilient floor tile and mastic, 9" x 9", light reddish brown	Room 112	10-20% Chrysotile (mastic->1% asbestos)	Ref. sample 083		Undamaged (nonfriable)	Low		
210-085	Resilient floor tile and mastic, 12" x 12", white w/ black streaks	Hallway, 2nd floor, below water fountain	None detected	N/A	N/A	N/A	N/A		
210-086	Plaster composite	Pipe chase by room 214	None detected	N/A	N/A	N/A	N/A		

082-270

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
210-087	Plaster composite	Pipe chase by room 222	None detected	N/A	N/A	N/A	N/A		
210-088 / 11-14-95	Pipe joint insulation, 3" OD (elbow)	Room 18B (ceiling cavity)	30-45% Amosite 15-30% Chrysotile	3	EA	Undamaged (friable)	Low	7	Maintain
210-089 / 11-14-95	Pipe joint insulation, 4" OD (elbow)	Room 18B (ceiling cavity)	5-15% Chrysotile	3	EA	Undamaged (friable)	Low	7	Maintain
210-090 / 11-14-95	Pipe joint insulation, 5" OD (elbow)	Room 18B (ceiling cavity)	15-30% Chrysotile	3	EA	Undamaged (friable)	Low	7	Maintain
210-091	Pipe run insulation, 3" OD	Room 18B (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
210-092	Pipe run insulation, 5" OD	Room 18B (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
210-093	Pipe run insulation, 4" OD	Room 18B (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
210-094	Ceiling panel, 2' x 4', white, type 5	Room 18B	None detected	N/A	N/A	N/A	N/A		
210-095	Ceiling panel, 2' x 4', white, type 5	Room 18A	None detected	N/A	N/A	N/A	N/A		
210-096	Ceiling panel, 2' x 4', white, type 5	Hallway by	None detected	N/A	N/A	N/A	N/A		
210-097 / 11-14-95	Pipe run insulation, 3" OD	Room 19A	5-15% Chrysotile	17	LF	Damaged (friable)	Moderate	5	Patch & cap ends
210-098 / 11-14-95	Pipe run insulation, 3" OD	Room 19A	10-20% Chrysotile	Ref. sample 097		Damaged (friable)	Moderate		Patch & cap ends
210-099	Exterior stucco	Northeast side	None detected	N/A	N/A	N/A	N/A		

02-271

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
210-100	Exterior stucco	Southeast side	None detected	N/A	N/A	N/A	N/A		
210-101	Exterior stucco	Southeast side	None detected	N/A	N/A	N/A	N/A		
210-102	Exterior stucco	Southwest side	None detected	N/A	N/A	N/A	N/A		
210-103	Baseboard and mastic, 5' high, light tan	Room 20	None detected	N/A	N/A	N/A	N/A		
210-104	Baseboard and mastic, 5' high, light tan	Hallway, basement, below water fountain	None detected	N/A	N/A	N/A	N/A		
210-105	Baseboard and mastic, light tan	Room 19	None detected	N/A	N/A	N/A	N/A		
210-106	Resilient floor tile and mastic, 12" x 12", white w/ black streaks	Hallway, basement, below water fountain	None detected	N/A	N/A	N/A	N/A		
210-107	Pipe end, plaster material, 8" OD	Mechanical room	None detected	N/A	N/A	N/A	N/A		
210-108	Pipe end, plaster material, 8" OD	Mechanical room	None detected	N/A	N/A	N/A	N/A		
210-109	Pipe end, plaster material, 5" OD	Mechanical room	None detected	N/A	N/A	N/A	N/A		
210-110	Pipe end, textured paint on cloth, 5" OD	Mechanical room	None detected	N/A	N/A	N/A	N/A		
210-111/ 11-14-95	Pipe end, textured paint, 5" OD	Mechanical room	5-10% Chrysotile	1	EA	Undamaged (friable)	Moderate	6	Maintain
210-112	Debris (suspect TSI on pipe run insulation, 5" OD)	Mechanical room	None detected	N/A	N/A	N/A	N/A		
210-113	Pipe end, textured paint, 3" OD	Mechanical room	None detected	N/A	N/A	N/A	N/A		

B2-272

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
210-114	Pipe run insulation, 5" OD (textured plaster material)	Mechanical room	None detected	N/A	N/A	N/A	N/A		
210-115	Pipe run insulation, 5" OD (textured plaster material)	Mechanical room	None detected	N/A	N/A	N/A	N/A		
210-116	Ceiling panel, 3' x 4', type 6	Mechanical room	None detected	N/A	N/A	N/A	N/A		
210-117	Ceiling panel, 3' x 4', type 6	Mechanical room	None detected	N/A	N/A	N/A	N/A		
210-118	Pipe run insulation, 3" OD	Fenced area by mechanical room	None detected	N/A	N/A	N/A	N/A		
210-119	Pipe run insulation, 3" OD	Fenced area by mechanical room	None detected	N/A	N/A	N/A	N/A		
210-120	Pipe run insulation, 3" OD	Fenced area by mechanical room	None detected	N/A	N/A	N/A	N/A		
210-121	Canvas tape	Fenced area by mechanical room	None detected	N/A	N/A	N/A	N/A		
210-122	Canvas tape	Fenced area by mechanical room	None detected	N/A	N/A	N/A	N/A		
210-123	Canvas tape	Fenced area by mechanical room	None detected	N/A	N/A	N/A	N/A		
210-124	Flexible connector/vibration damper	Fenced area by mechanical room	None detected	N/A	N/A	N/A	N/A		
210-125	Flexible connector/vibration damper	Fenced area by mechanical room	None detected	N/A	N/A	N/A	N/A		

80 - 23

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
210-126	Resilient floor tile & mastic, 12" x 12", beige with brown	Elevator	None detected	N/A	N/A	N/A	N/A		
210-127	Resilient floor tile & mastic, 12" x 12", beige with brown	Elevator	None detected	N/A	N/A	N/A	N/A		
210-128	Pipe run insulation, 4" OD	Crawl space, mechanical room	None detected	N/A	N/A	N/A	N/A		
210-129	Pipe run insulation, 4" OD	Crawl space, mechanical room	None detected	N/A	N/A	N/A	N/A		
210-130/ 11-14-95	Debris (suspect TSI)	Mechanical room, crawl space	20-35% Chrysotile	4,182	SF	Significantly damaged (friable)	High	3	Remove
210-131/ 11-14-95	Debris (suspect TSI)	Mechanical room, crawl space	30-40% Amosite 5-15% Chrysotile	Ref. sample 130		Significantly damaged (friable)	High	3	Remove
210-132	Asbestos cement (transite) panel at radiator	Room 122, between wall and radiator	15-30% Chrysotile	3	EA	Undamaged (nonfriable)	Low		
210-133	Asbestos cement (transite) panel at radiator	Room 122, between wall and radiator	30-45% Chrysotile	Ref. sample 132		Undamaged (nonfriable)	Low		
210-134/ 11-14-95	Pipe run insulation, 3" OD,	Room 19A (ceiling cavity)	40-50% Amosite 5-15% Chrysotile	17	LF	Significantly damaged (friable)	High	2	Patch
210-135/ 11-14-95	Pipe run insulation, 3" OD,	Room 19A (ceiling cavity)	35-50% Amosite 5-10% Chrysotile	21	LF	Significantly damaged (friable)	High	2	Patch
210-136/ 11-14-95	Pipe run insulation, 3" OD,	Room 19A (ceiling cavity)	5-15% Amosite 10-20% Chrysotile	18	LF	Undamaged (friable)	Low	6	Patch

82-274

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
210-137 / 11-15-95	Debris (suspect TSI)	Crawl space, southeast wing	20-30% Amosite 15-25% Chrysotile	Ref. sample 130		Significantly damaged (friable)	High	3	Remove
210-138 / 11-15-95	Debris (suspect TSI)	Crawl space, southeast wing	30-40% Amosite 35-45% Chrysotile	Ref. sample 130		Significantly damaged (friable)	High	3	Remove
210-139 / 11-13-95	REMOVED	-	-	-	-	-	-	-	-
210-140 / 11-13-95	REMOVED	-	-	-	-	-	-	-	-
210-141 / 11-13-95	REMOVED	-	-	-	-	-	-	-	-
210-142	Pipe run insulation, 4" OD,	Pipe chase in room 124	None detected	N/A	N/A	N/A	N/A		
210-143 / 11-13-95	REMOVED	-	-	-	-	-	-	-	-
210-144 / 11-13-95	REMOVED	-	-	-	-	-	-	-	-
210-145 / 11-14-95	Pipe run insulation, 3" OD,	Pipe chase by room 219	5-15% Chrysotile	10	LF	Significantly damaged (friable)	High	3	Remove
210-146 / 11-14-95	Pipe run insulation, 3" OD,	Pipe chase by room 219	40-50% Amosite 20-30% Chrysotile	Ref. sample 145		Significantly damaged (friable)	High	3	Remove
210-147 / 11-14-95	Debris (suspect TSI)	Pipe chase by room 219	40-55% Chrysotile	4	SF	Significantly damaged (friable)	High	3	Remove

279

Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
210-148 / 11-14-95	Debris (suspect TSI)	Pipe chase by room 219	5-12% Amosite 10-15% Chrysotile	Ref. sample 147	LF	Significantly damaged (friable)	High	3	Remove
210-149 / 11-14-95	Duct insulation (aircell),	Pipe chase by room 219	70-85% Chrysotile	20	LF	Significantly damaged (friable)	High	3	Remove
210-150 / 11-14-95	Duct insulation (aircell),	Pipe chase by room 219	72-87% Chrysotile	Ref. sample 149		Significantly damaged (friable)	High	3	Remove
210-151 / 11-14-95	Debris (suspect TSI)	Pipe chase by rooms 10 and 11	20-35% Amosite 10-20% Chrysotile	26	SF	Significantly damaged (friable)	High		
210-152 / 11-14-95	Pipe run insulation, 3"OD	Room 4A	15% Chrysotile	15	LF	Undamaged (friable)	Moderate	5	Patch

B2-276

82-277

NOTES:

- 1) Ref. 210-050/051. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref. 210-050/051/065/088 to 090/097/098/111/134 to 136/139 to 141/145/146/152. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Ref. 210-031/032/060. The plenum chamber in the attic is made entirely of asbestos cement (transite).
- 4) Ref. 210-130. The ACM quantity includes the total square footage of all the crawl spaces.
- 5) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transite piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 6) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 7) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork; or if further sampling results show non detection for asbestos.
- 8) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 9) Ref. 210-132/133. Transite sheet material. It is difficult to accurately estimate the number of radiators which have asbestos-containing transite sheet material without sampling each individual radiator in question. In the "ACM Quantity" column, we have included a total quantity of radiators containing this transite sheet material in the area sampled. In Section b. Material and Cost Data, an estimate of the total number of radiators located throughout the building is provided.

82-278

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-GLAHS BUILDING 210
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN K. SPIVEY**

November 8, 2002

November 8, 2002
Contract No. V691P-6501 Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
Bldg. 218, Room 328
11301 Wilshire Boulevard
Los Angeles, CA 90073

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
BUILDING NO 210, VA-GLAHS WEST LA
11301 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073**

Environmental Engineering, Inc. on behalf of the United States Department of Veterans Affairs, reinspected the asbestos containing materials (ACM) in Building 210 of the USVA-Greater Los Angeles Healthcare System (GLAHS) in Los Angeles, California. Mr. James Spencer, Mr. Roman Akeh and Dr. Zainul Abedin of Environmental Engineering, Inc. performed the asbestos inspection at the Site on October 29, 2002. Mr. James Spencer (CAC#92-0368) and Mr. Roman Akeh (CAC #93-1176) are California asbestos consultants and Dr. Zainul Abedin is an asbestos building inspector and management planner and an accredited Lead Inspector, Risk Assessor and a Lead Supervisor (I/S-1151) in the State of California.

Environmental Engineering Inc. performed the survey of the site structures to identify, assess, and sample suspect ACM at the Site, and to recommend, if necessary, appropriate response actions upon the findings of the survey. The survey consisted of a walk-through of the accessible areas, visual observation for the presence of potential ACM and sampling of presumed asbestos containing materials, and conditional reassessment of the known ACMs. Flooring, ceiling, carpet mastic, cove base, wall plaster, exterior stucco plaster, joint compounds, HVAC duct canvas tape and vibration damper, thermal system insulation (TSI) on pipes, elbows, joints, ducts and debris, aircell and asphaltic roofing felt were formerly sampled and tested. Friable asbestos was found in the following materials throughout the building:

- 3"Φ Pipe & Fitting Insulations
- 4"Φ Pipe & Fitting Insulations
- 5"Φ Pipe & Fitting Insulations
- Aircell & Duct Insulations
- TSI Debris

Non-friable asbestos was found in the following materials throughout the building:

- 9"X9" Resilient Floor Tile & Mastic
- 12"X12" Resilient Floor Tile & Mastic
- Transite Panels

Some of these known asbestos containing materials were removed from the Building 210 since 1996. These abated materials are summarized in Table 1.

The conditions of the remaining asbestos-containing materials were visually observed and re-assessed for management response actions. Based on the findings of this reinspection, significantly damaged pipe insulations and TSI debris remained in rooms 19A ceiling cavity, 219 pipe chase, 10-11 pipe chase and mechanical crawl space that require immediate action and/or removal. In addition, damaged pipe and fitting insulations were observed and sampled in basement room 1 that contained asbestos. These materials are included in Bulk Sample Summary at the end of the report. Other known friable pipe and fitting insulations remained intact in rooms 4A, 18B, attic and mechanical room. Non-friable floor tiles and transite panels remained undamaged. The results of this survey are summarized in Table 2 with recommended management response actions.

Environmental Engineering, Inc. conducted the asbestos inspection in accessible areas of the Site. Other conditions may exist in inaccessible areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. This survey was performed in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature. If you have any questions concerning the methodology or the results of this survey, please contact us at (818) 547-1330.

Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,



Zainul Abedin, PhD, REA
Project Manager

Table 1 : Asbestos Abatement in Building 210

Date	Asbestos Containing Materials	Locations/Rooms	Quantity
04/23/01	Resilient Floor Tiles & Mastic	12 and 13	30 lft
3 rd /Qtr/99	Resilient Floor Tile & Mastic	224	208 ft ²
	Ceiling Plaster	202, 223	
Others	TSI/Debris	SE Crawl Space Under Stairs	

82-282

**Table 2: BUILDING 210, VA-GLAHS
ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 10/29/02

Materials	Location/Rooms	ACM Condition	Friability	Potential Exposure	Priority	Response
3" Ø Pipe & Fitting Insulations	4A, 18B	Undamaged	Yes	Low	7	Maintain
	1, 19A, 19A Ceiling Cavity, 219 Pipe Chase	Significantly Damaged	Yes	High	2	Remove
4" Ø Pipe & Fitting Insulations	Basement West Stairwell, 18B	Undamaged	Yes	Low	7	Maintain
5" Ø Pipe & Fitting Insulations	18B, Mech. Room	Undamaged	Yes	Low	7	Maintain
Air Cell/Duct Insulations	Attic	Undamaged	Yes	Low	7	Maintain
	219 Pipe Chase	Significantly Damaged	Yes	Moderate	3	Remove
TSI Debris	Mech. Control Space, 219 Pipe Chase, 10-11 Pipe Chase	Significantly Damaged	Yes	High	2	Remove
9"Ø Floor Tile Mastic	8, 8F, 101A, 112	Undamaged	No	Low	7	Maintain
12"x12" Floor Tile Mastic	101A	Undamaged	No	Low	7	Maintain
Transite Panels	Attic, 122	Undamaged	No	Low	7	Maintain

Notes : 1. New TSI found on 3"Ø pipes & fittings in Basement Room 1
2. 9"Ø Floor Tiles : Carpeted in Rooms 8 and 8F

82-283

Bulk Sample Summary

Survey Date	Sample Number	Materials Description	Material Locations/Room	Laboratory Results	ACM Quantity	Unit	Condition	Potential Exposure	Priority	Response
10/29/02	02-10BUA210-01	3"φ Pipe & Fitting Insulations	Basement Rm 1 NW Corner	1-2% Amosite	30	Linear feet	Significantly Damaged	Moderate	3	Patch/Remove
10/29/02	02-11BUA210-02	3"φ Pipe & Fitting Insulations	Basement Rm 1 NW Corner	10% Chrysotile					3	Patch/Remove
10/29/02	02-11BUA210-03	3"φ Pipe & Fitting Insulations	Basement Rm 1 NW Corner	10% Chrysotile	3	Nos	Damaged	Moderate	3	Patch/Remove

22-284

REPORT NO: 82826

CLIENT:

VA-GLAHS
11301 WILSHIRE BLVD.
LOS ANGELES, CA 90073

DATE: Nov 13, 2002

DATE RECEIVED: Nov 7, 2002

ATTENTION: BEN SPIVEY

DATE ANALYZED: Nov 13, 2002

REFERENCE: BLDG 210
P.O.#681-C10948

DATE / TIME COLLECTED: BY ZAINUL ABEDIN

SUBJECT: Polarized Light Microscopy Analysis for Asbestos; 3 Samples

METHODOLOGY: "Method for Determination of Asbestos in Bulk Building Materials."
EPA 600/R-93/116

ACCREDITED: National Institute of Standards and Technology (NVLAP) #101218

CERTIFIED: California Department of Health Services Environmental Testing Laboratory ELAP 1119,
County Sanitation Districts of Los Angeles County, Laboratory Identification No. 10120

QUALITY CONTROL SAMPLE (SRM 1866 GLASS FIBERS AS THE BLANK): NONE DETECTED

SAMPLE ID NUMBER	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS MATERIALS	NON-FIBROUS MATERIALS
02-10BUA210-01	NON-FRIABLE	GRAY FIBROUS YELLOW FIBROUS	CHRYBOTILE LESS THAN 1% AMOSITE 1-2%	CELLULOSE 2%	GRANULAR MINERALS OPAQUES
02-10BUA210-02	NON-FRIABLE	TAN FIBROUS YELLOW FIBROUS	CHRYBOTILE 10% AMOSITE LESS THAN 1%	CELLULOSE 50%	GRANULAR MINERALS OPAQUES
02-10BUA210-03	FRIABLE	TAN FIBROUS	CHRYBOTILE 10%	CELLULOSE 2% GLASSWOOL 10%	GRANULAR MINERALS OPAQUES

[Signature]
Optical Microscopy
B.M. Koh

[Signature]
B.M. Koh, Laboratory Director

The EPA method is a semi-quantitative procedure. The detection limit is between 1% to 1 percent by area and is dependent upon the size of the asbestos block, the means of sampling and the matrix of the sampled material.

The test results reported are for the sample or samples delivered to us and may not represent the entire material from which the sample was taken. The EPA recommends three samples or more be taken of a "representative sampling area" before results are used to consider non-asbestos-containing.

This report, from a NIST accredited laboratory through NVLAP, must not be used by the client to claim product endorsement by EPA or any agency of the U.S. Government.

NOTE: This report and data are prepared in compliance with the entire applicable 29 CFR Subpart 1910.101.

For more information, contact the laboratory at 117 West Bellevue Drive, Pasadena, CA 91105-2503. Phone: 626-799-9333. Fax: 626-799-9334. Website: www.emslab.com

82-285

SUBMITTAL FORM Laboratory Services

TURNAROUND TIME: STD 48 HR. 24 HR. <8 HR. WKND OTHER

REFINISHED TIME DATE

CLIENT ADDRESS TELEPHONE CONTACT

DATE OF SHIPMENT CLIENT P.O. NO. SHIPMENT JOB/PROJECT NUMBER PACKAGE SHIPPED FROM

RESULTS REQUESTED VIA VERBAL FAX CLIENT FAX NO.

DATE/TIME OF SAMPLE COLLECTION

SAMPLE PRESERVATIVE(S)

HOLDING TIMES

NO. OF SAMPLES SENT

SAMPLER'S NAME

SIGNATURE

TYPE: WATER WASTEWATER SOIL FILTER ADSORBENT TUBE LUMPING OTHER

(FOR EMS ONLY)

EMS Sample No. table with multiple rows for tracking individual samples.

Main table with columns: CLIENT SAMPLE NO., DESCRIPTION-LOCATION, ANALYSIS, VOLUME, TIME WEIGHT (IF APPLICABLE).

82826

FOR ONLY (SF 5/00)

Administrative fields: Laboratory No., Received By, Date of Package Delivery, Shipping Bill Retained, Condition of Package on Receipt, Condition of Custody Seal, No. of Samples, Chain-of-Custody Signature, Date of Acceptance into Sample Bank, Misc. Info, Disposition of Samples.

c. Sampling Records

BUILDING 211									
Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
211-001	Resilient floor tile and mastic, 12" x 12" white with copper streaks	Room 106	10% Chrysotile	270	SF	Undamaged (nonfriable)	Low		
211-002	Resilient floor tile and mastic, 12" x 12" white with copper streaks	Room 106	5% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
211-003	Resilient floor tile and mastic, 12" x 12" white with copper streaks	Room 106	3-7% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
211-004	Baseboard and mastic, 5" high, black	Room 106	None detected	N/A	N/A	N/A	N/A		
211-005	Baseboard and mastic, 5" high, black	Room 106	None detected	N/A	N/A	N/A	N/A		
211-006	Baseboard and mastic, 5" high, black	Room 106	None detected	N/A	N/A	N/A	N/A		
211-007	Roofing composite	Upper roof	None detected	N/A	N/A	N/A	N/A		
211-008	Roofing composite	Upper roof	None detected	N/A	N/A	N/A	N/A		
211-009	Roofing composite	Upper roof	None detected	N/A	N/A	N/A	N/A		
211-010	Roofing felt and mastic (at flashing)	Upper roof	5% Chrysotile	200	SF	Undamaged (nonfriable)	Low		
211-011	Roofing felt and mastic (at flashing)	Upper roof	15-25% Chrysotile	Ref. sample 010		Undamaged (nonfriable)	Low		
211-012	Roofing felt (at flashing)	Upper roof	20-30% Chrysotile	Ref. sample 010		Undamaged (nonfriable)	Low		

02 - 287

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
211-013	Resilient floor tile and mastic, 12" x 12", tan with copper spots	Room 105	5% Chrysotile	150	SF	Undamaged (nonfriable)	Low		
211-014	Resilient floor tile and mastic, 12" x 12", tan with copper spots	Room 105	2% Chrysotile	Ref. sample 013		Undamaged (nonfriable)	Low		
211-015	Resilient floor tile and mastic, 12" x 12", tan with copper spots	Room 105	3-10% Chrysotile	Ref. sample 013		Undamaged (nonfriable)	Low		
211-016	Sink undercoat	Room 105	40% Chrysotile	2	EA	Undamaged (nonfriable)	Low		
211-017	Sink undercoat	Room 105	15-20% Chrysotile	Ref. sample 016		Undamaged (nonfriable)	Low		
211-018	Ceiling panel, 2' x 4',	Room 105	None detected	N/A	N/A	N/A	N/A		
211-019	Ceiling panel, 2' x 4',	Room 105	None detected	N/A	N/A	N/A	N/A		
211-020	Ceiling panel, 2' x 4',	Room 105	None detected	N/A	N/A	N/A	N/A		
211-021	Baseboard and mastic, 4" high, brown	Men's restroom	None detected	N/A	N/A	N/A	N/A		
211-022	Baseboard and mastic, 4" high, brown	Men's restroom	None detected	N/A	N/A	N/A	N/A		
211-023	Baseboard and mastic, 4" high, brown	Men's restroom	None detected	N/A	N/A	N/A	N/A		
211-024	Plaster composite	Women's restroom	None detected	N/A	N/A	N/A	N/A		
211-025	Plaster composite	Women's restroom	None detected	N/A	N/A	N/A	N/A		

002 - 289

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
211-026	Flexible connector/vibration dampe	Basement	None detected	N/A	N/A	N/A	N/A		
211-027	Flexible connector/vibration dampe	Basement	None detected	N/A	N/A	N/A	N/A		
211-028	Exterior stucco	Southwest side	None detected	N/A	N/A	N/A	N/A		
211-029	Exterior stucco	South side	None detected	N/A	N/A	N/A	N/A		
211-030	Exterior stucco	East side	None detected	N/A	N/A	N/A	N/A		

NOTES:

1) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.

2) Ref. 211-016/017. Sink Undercoat is typically a black, cream, or grey material found on the underside of many sinks located throughout the VA Hospital complex. The black, grey, and some of the cream material has been found to be asbestos-positive. The newer material appears to be a white fibrous material which has been found to be asbestos-negative. It is nearly impossible to accurately estimate the number of sinks which have asbestos-containing sink undercoat material without sampling each individual sink in question. Therefore, the number listed in the ACM Quantity column is the number of asbestos-positive sinks in that area.

02, 289

c. Sampling Records

BUILDING 212									
Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
212-001	Resilient floor tile and mastic, 9" x 9", dark brown w/yellow streak by elevators	First floor, by elevators	10% Chrysotile	1,300	SF	Undamaged (nonfriable)	Low	-	-
212-002 / 12-19-95	REMOVED	-	-	-	-	-	-	-	-
212-003	Plaster composite	First floor, by elevators	None detected	N/A	N/A	N/A	N/A	-	-
212-004 / 12-19-95	REMOVED	-	-	-	-	-	-	-	-
212-005	Resilient floor tile and mastic, 9" x 9", blue with white streaks	First floor, by elevators	5% Chrysotile	Ref. sample 006		Undamaged (nonfriable)	Low	-	-
212-006	Resilient floor tile and mastic, 9" x 9", beige w/red and black streaks	First floor, by elevators	10% Chrysotile	8,870	SF	Undamaged (nonfriable)	Low	-	-
212-007	Resilient floor tile and mastic, 9" x 9", olive with white streaks	First floor, by elevators	15% Chrysotile	2,100	SF	Undamaged (nonfriable)	Low	-	-
212-008	Ceiling panel, 2' x 4', type 1	First floor, by elevators	None detected	N/A	N/A	N/A	N/A	-	-
212-009	Resilient floor tile and mastic, 12" x 12", white w/red spots	Hallway by room 149	10% Chrysotile	210	SF	Undamaged (nonfriable)	Low	-	-

82-290

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
212-010	Baseboard and mastic, 3" high, olive	Hall by room 149	None detected	N/A	N/A	N/A	N/A		
212-011	Pipe joint insulation, 3" OD, (elbow, at radiator)	Hallway by room 149	None detected	N/A	N/A	N/A	N/A		
212-012	Baseboard and mastic, 3" high, olive	Hall by room 149	None detected	N/A	N/A	N/A	N/A		
212-013	Resilient floor tile and mastic, 12" x 12", white w/tan spots	Room 147	5% Chrysotile	4,660	SF	Undamaged (nonfriable)	Low		
212-014	Resilient floor tile and mastic, 12" x 12", white w/tan spots	Room 147	3-8% Chrysotile (mastic->1% asbestos)	Ref. sample 013		Undamaged (nonfriable)	Low		
212-015	Resilient floor tile and mastic, 12" x 12", white w/tan spots	Hallway by room 147	5-10% Chrysotile (mastic-none detected)	Ref. sample 013		Undamaged (nonfriable)	Low		
212-016	Pipe joint insulation, 3" OD, (elbow, at radiator)	Room 102	None detected	N/A	N/A	N/A	N/A		
212-017	Resilient floor tile and mastic, 9" x 9", dark brown w/yellow streaks	Room 102	3-8% Chrysotile (mastic->1% asbestos)	Ref. sample 001		Undamaged (nonfriable)	Low		
212-018	Resilient floor tile and mastic, 9" x 9", light grey	Restroom by room 102	10% Chrysotile	Ref. sample 019		Undamaged (nonfriable)	Low		
212-019	Resilient floor tile and mastic, 9" x 9", black with streaks	Restroom by room 102	20% Chrysotile	3,060	SF	Undamaged (nonfriable)	Low		
212-020	Resilient floor tile and mastic, 12" x 12", black (border tile)	Restroom by room 102	20% Chrysotile	Ref. samples 019 and 027		Undamaged (nonfriable)	Low		
212-021	Baseboard and mastic, 3" high, brown	Restroom by room 102	None detected	N/A	N/A	N/A	N/A		

82 - 291

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
212-022	Joint compound	Room 103	None detected	N/A	N/A	N/A	N/A		
212-023	Resilient floor tile and mastic, 12" x 12", black (border tile)	Room 103	2-7% Chrysotile (mastic-none detected) and 027	Ref. samples 019 and 027		Undamaged (nonfriable)	Low		
212-024	Resilient floor tile and mastic, 9" x 9", light grey	Room 103	8-15% Chrysotile	Ref. sample 019		Undamaged (nonfriable)	Low		
212-025	Resilient floor tile and mastic, 9" x 9", black with streaks	Room 103	5-10% Chrysotile	Ref. sample 019		Undamaged (nonfriable)	Low		
212-026	Resilient floor tile and mastic, 12" x 12" (white w/copper streaks)	Men's restroom	8-15% Chrysotile ACM floor tiles removed	30 SF		Undamaged (nonfriable)	Low		
212-027	Resilient floor tile and mastic, 9" x 9", red	Room 128	15% Chrysotile	6,360	SF	Undamaged (nonfriable)	Low		
212-028	Resilient floor tile and mastic, 9" x 9", red	Room 128	1% Chrysotile	Ref. sample 027		Undamaged (nonfriable)	Low		
212-029	Ceiling panel, 2' x 4', type 2	Hallway by room 128	None detected	N/A	N/A	N/A	N/A		
212-030	Pipe joint insulation, 3" OD (elbow)	Room 119	None detected	N/A	N/A	N/A	N/A		
212-031/ 12-20-95	Pipe run insulation, 3" OD	Room 120, pipe chase	40% Chrysotile	10	LF	Damaged (friable)	Moderate		
212-032/ 12-20-95	Pipe joint insulation, 3" OD (elbow)	Room 120, pipe chase	60% Chrysotile	2	EA	Damaged (friable)	Moderate		

82-292

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
212-033	Pipe joint insulation, 3" OD (elbow)	Room 106B	None detected	N/A	N/A	N/A	N/A		
212-034	Pipe joint insulation, 3" OD (elbow)	Room 123	None detected	N/A	N/A	N/A	N/A		
212-035	Resilient floor tile and mastic, 12" x 12", white w/ olive streaks	Room 123	None detected	N/A	N/A	N/A	N/A		
212-036	Resilient floor tile and mastic, 12" x 12", white w/ olive streaks	Room 123	None detected	N/A	N/A	N/A	N/A		
212-037	Resilient floor tile and mastic, 12" x 12", white w/ grey streaks	Room 117	None detected	N/A	N/A	N/A	N/A		
212-038	Resilient floor tile and mastic, 12" x 12", black (border tile)	Room 117	3-9% Chrysotile	Ref. samples 019 and 027	019	Undamaged (nonfriable)	Low		
212-039	Resilient floor tile and mastic, 12" x 12", white w/grey streaks	Room 117	2-6% Chrysotile (mastic-none detected)	2,860	6F	Undamaged (nonfriable)	Low		
212-040	Resilient floor tile and mastic, 12" x 12", black (border tile)	Room 117	10% Chrysotile	Ref. samples 019 and 027	019	Undamaged (nonfriable)	Low		
212-041	Resilient floor tile and mastic, 12" x 12", white w/ grey streaks	Room 116	3-7% Chrysotile (mastic-none detected)	Ref. sample 039	039	Undamaged (nonfriable)	Low		
212-042	Resilient floor tile and mastic, 9" x 9", black	Room 114	10% Chrysotile	Ref. Sample 027	027	Undamaged (nonfriable)	Low		
212-043	Resilient floor tile and mastic, 9"x9", black	Room 114	3-8% Chrysotile	Ref. Sample 027	027	Undamaged (nonfriable)	Low		

82. 243

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	ACM Condition and Friability	Potential Exposure	Priority	Response
212-044	Resilient floor tile and mastic, 9" x 9", white	Room 114	2% Chrysotile	Ref. Sample 027	Undamaged (nonfriable)	Low		
212-045	Resilient floor tile and mastic, 9" x 9", white	Room 114	None detected	N/A	N/A	N/A		
212-046	Pipe joint insulation, 3" OD (elbow)	Room 114	None detected	N/A	N/A	N/A		
212-047	Resilient floor tile and mastic, 9" x 9", dark red	Room 114	3-8% Chrysotile (mastic-none detected)	Ref. sample 027	Undamaged (nonfriable)	Low		
212-048	Resilient floor tile and mastic, 9" x 9", beige w/red and black stripes	Room 124	2% Chrysotile	Ref. Sample 006	Undamaged (nonfriable)	Low		
212-049	Resilient floor tile and mastic, 9" x 9", blue w/white streaks	Room 124	5-12% Chrysotile (mastic->1% asbestos)	Ref. Sample 006	Undamaged (nonfriable)	Low		
212-050	Baseboard and mastic, 5" high, grey	Room 130	None detected	N/A	N/A	N/A		
212-051	Baseboard and mastic, 5" high, brown	Room 143	None detected	N/A	N/A	N/A		
212-052	Baseboard and mastic, 5" high, brown	Room 141	None detected	N/A	N/A	N/A		
212-053	Resilient floor tile and mastic, 12" x 12", white w/ tan streaks	Room 136	None Detected	N/A	N/A	N/A		
212-054	Baseboard and mastic, 3" high, tan	Room 140	None detected	N/A	N/A	N/A		
212-055	Baseboard and mastic, 3" high, tan	Room 140	None detected	N/A	N/A	N/A		
212-056	Resilient floor tile and mastic, 12" x 12", cream w/ grey streaks	Hallway by room 138	None detected	N/A	N/A	N/A		

22-274

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
212-057	Resilient floor tile and mastic, 12" x 12", cream w/ grey streaks	Hallway by room 138	None detected	N/A	N/A	N/A	N/A		N/A
212-058	Baseboard and mastic, 5" high, crea	Hall by room 138	None detected	N/A	N/A	N/A	N/A		N/A
212-059	Baseboard and mastic, 5" high, crea	Hall by room 138	None detected	N/A	N/A	N/A	N/A		N/A
212-060	Resilient floor tile and mastic, 12" x 12", white w/ tan streaks	Room 144	None detected	N/A	N/A	N/A	N/A		N/A
212-061	Resilient floor tile and mastic, 12" x 12", orange streaked	Room 30	2% Chrysotile	320	SF	Undamaged (nonfriable)	Low		
212-062	Resilient floor tile and mastic, 12" x 12", orange streaked	Room 30	3-8% Chrysotile (mastic-none detected)	Ref. sample 061		Undamaged (nonfriable)	Low		
212-063	Baseboard and mastic, 3" high, black	Room 30	None detected	N/A	N/A	N/A	N/A		N/A
212-064	Baseboard and mastic, 3" high, black	Room 30	None detected	N/A	N/A	N/A	N/A		N/A
212-065	Resilient floor tile and mastic, 12" x 12", orange streaked	Room 29	2-8% Chrysotile (mastic->1% asbestos)	Ref. sample 061		Undamaged (nonfriable)	Low		
212-066	Resilient floor tile, 12" x 12", (below orange streaked RFT in room 29)	Room 29	20% Chrysotile	Ref. sample 061		Undamaged (nonfriable)	Low		
212-067	Resilient floor tile, 12" x 12", (below orange streaked RFT in room 29)	Room 29	15-20% Chrysotile (mastic->1% asbestos)	Ref. sample 061		Undamaged (nonfriable)	Low		
212-068	Baseboard and mastic, 3" high, black	Room 29	None detected	N/A	N/A	N/A	N/A		N/A
212-069	Textured paint and plaster	Room 29	None detected	N/A	N/A	N/A	N/A		N/A

20 - 295

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
212-070	Plaster composite	Room 28	2-8% Chrysotile	240	SF	Undamaged (nonfriable)	Low		
212-071	Sink undercoat	Room 23A	10% Chrysotile	2	EA	Undamaged (nonfriable)	Low		
212-072	Resilient floor tile and mastic, 12" x 12", white w/ light brown streaks	Room 24B	None detected	N/A	N/A	N/A	N/A		
212-073	Resilient floor tile and mastic, 12" x 12", white w/light brown streaks	Room 24B	(floor tile-none detected, mastic->1% asbestos)	Ref. sample 006		Undamaged (nonfriable)	Low		
212-074 / 12-20-95	REMOVED	-	-	-	-	-	-	-	-
212-075 / 12-20-95	Pipe run insulation, 4" OD	Room 20	25-30% Amosite 10-15% Chrysotile	15	LF	Undamaged (friable)	Low	7	Maintain
212-076 / 12-20-95	REMOVED	-	-	-	-	-	-	-	-
212-077 / 12-20-95	REMOVED	-	-	-	-	-	-	-	-
212-078	Ceiling panel, 2' x 4', type 2	Hall by room 141	None detected	N/A	N/A	N/A	N/A		
212-079	Plaster composite	Stairwell across from room 140	None detected	N/A	N/A	N/A	N/A		
212-080	Pipe joint insulation, 3" OD (elbow)	Stairwell across from room 140	None detected	N/A	N/A	N/A	N/A		

82-296

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
212-081	Pipe joint insulation, 3" OD (elbow)	Hall by room 126	None detected	N/A	N/A	N/A	N/A		
212-082	Pipe joint insulation, 3" OD (elbow)	Room 133	None detected	N/A	N/A	N/A	N/A		
212-083	Pipe joint insulation, 3" OD (elbow)	Room 133	None detected	N/A	N/A	N/A	N/A		
212-084	Baseboard and mastic, 5" high, grey	Room 129A	None detected	N/A	N/A	N/A	N/A		
212-085	Pipe joint insulation, 3" OD (elbow)	Room 117 (ceiling)	None detected	N/A	N/A	N/A	N/A		
212-086	Ceiling panel, 2' x 4', type 4	Room 110	None detected	N/A	N/A	N/A	N/A		
212-087	Resilient floor tile and mastic, 9" x 9", off white with white and tan streaks	Elevator	5% Chrysotile	80	SF	Undamaged (nonfriable)	Low		
212-088	Resilient floor tile and mastic, 9" x 9", off white with white and tan streaks	Elevator	10-15% Chrysotile (mastic->1% asbestos)	Ref. sample 087		Undamaged (nonfriable)	Low		
212-089	Resilient floor tile underneath 9" x 9" off white with white and tan streaks	Elevator	(floor tile-none detecte (mastic->1% asbestos)	Ref. sample 087		Undamaged (nonfriable)	Low		
212-090	Resilient floor tile and mastic, 9" x 9", bright red	Room 19	15% Chrysotile	90	SF	Undamaged (nonfriable)	Low		
212-091	Resilient floor tile and mastic, 9" x 9", bright red	Room 19	20-25% Chrysotile (mastic->1% asbestos)	Ref. sample 090		Undamaged (nonfriable)	Low		

82-297

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
212-092	Plaster composite	Room 19	None detected	N/A	N/A	N/A	N/A		
212-093 / 12-15-95	Pipe joint insulation, 4" OD (elbow) protruding from wall in S.E. corner	Room 19	40-50% Chrysotile	1	EA	Slightly damaged (friable)	Moderate	5	Patch
212-094	Resilient floor tile and mastic, 12" x 12", white with olive streaks	Room 4	15% Chrysotile	3,870	SF	Undamaged (nonfriable)	Low		
212-095	Ceiling panels, 2' x 4', type 6	Room 4	None detected	N/A	N/A	N/A	N/A		
212-096	Baseboard, 2" high, black	Room 5	None detected	N/A	N/A	N/A	N/A		
212-097	Baseboard and mastic, 2" high, black	Room 5	None detected	N/A	N/A	N/A	N/A		
212-098	Resilient floor tile and mastic, 12" x 12", white with olive streaks	Room 5	10% Chrysotile	Ref. Sample 094		Undamaged (nonfriable)	Low		
212-099	Resilient floor tile and mastic, 12" x 12", white with olive streaks	Room 5	2-8% Chrysotile (mastic-none detected)	Ref. Sample 094		Undamaged (nonfriable)	Low		
212-100	Resilient floor tile and mastic, 12" x 12", white with olive streaks	Room 5	1-5% Chrysotile (mastic->1% asbestos)	Ref. Sample 094		Undamaged (nonfriable)	Low		
212-101	Resilient sheet flooring and mastic, white, grey and beige	Room 17	40% Chrysotile	930	SF	Undamaged (nonfriable)	Low		
212-102	Resilient sheet flooring and mastic, white, grey and beige	Room 17	25-30% Chrysotile	Ref. sample 101		Undamaged (nonfriable)	Low		
212-103	Baseboard and mastic, 3" high, crea	Room 17	None detected	N/A	N/A	N/A	N/A		
212-104	Baseboard and mastic, 3" high, crea	Room 17	None detected	N/A	N/A	N/A	N/A		

82-298

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	ACM Condition and Friability	Potential Exposure	Priority	Response
212-105	Resilient sheet flooring and mastic, white, grey and beige	Room 16	40% Chrysotile	Ref. Sample 101	Undamaged (nonfriable)	Low		
212-106/ 12-18-95	Pipe run insulation, 4" OD	Room 16B	30-45% Amosite 20-25% Chrysotile	30 LF	Undamaged (friable)	Moderate	7	Maintain
212-107/ 12-18-95	Pipe run insulation, 4"OD	Room 16B	20% Amosite 10% Chrysotile	Ref. sample 106	Undamaged (friable)	Moderate	7	Maintain
212-108	Baseboard and mastic, 5" high, black	Room 15B	None detected	N/A	N/A	N/A		
212-109	Baseboard and mastic, 5" high, black	Room 15B	None detected	N/A	N/A	N/A		
212-110	Baseboard and mastic, 5" high, olive	Room 15	None detected	N/A	N/A	N/A		
212-111	Baseboard and mastic, 5" high, olive	Room 15	None detected	N/A	N/A	N/A		
212-112	Resilient floor tile and mastic, 12" x 12", green with dark green	Room 6	5% Chrysotile	Ref. sample 116	Undamaged (nonfriable)	Low		
212-113	Resilient floor tile and mastic, 12" x 12", green with dark green	Room 6	(floor tile-none detecte (mastic->1% asbestos)	Ref. Sample 116	Undamaged (nonfriable)	Low		
212-114	Resilient floor tile and mastic, 12" x 12", white w/small grey streaks	Room 6	None detected	N/A	N/A	N/A		
212-115	Resilient floor tile and mastic, 12" x 12", white w/ small grey streaks	Room 6	None detected	N/A	N/A	N/A		
212-116	Resilient floor tile and mastic, 12" x 12", pink and red with white	Room 6	5% Chrysotile	1,060 SF	Undamaged (nonfriable)	Low		
212-117	Resilient floor tile and mastic, 12" x 12", pink and red with white	Room 6	2-8% Chrysotile (mastic->1% asbestos)	Ref. Sample 116	Undamaged (nonfriable)	Low		

82-299

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
212-118	Debris (suspect TSI)	Room 16	None detected	N/A	N/A	N/A	N/A		
212-119	Baseboard mastic	Room 13	2% Amosite	30	LF	Significantly damaged (nonfriable)	High		
212-120	Plaster composite	Room 12	None detected	N/A	N/A	N/A	N/A		
212-121	Resilient floor tile and mastic, 12" x 12", white with small grey stre	Hallway by room 11A	None detected	N/A	N/A	N/A	N/A		
212-122/ 12-18-95	Pipe joint insulation, 3" OD (elbow)	Room 11A (ceiling cavity)	60% Chrysotile	1	EA	Slightly Damaged (friable)	Moderate	5	Patch
212-123/ 12-18-95	Pipe run insulation, 2" OD	Room 11A (ceiling cavity)	5% Chrysotile	10	LF	Undamaged (friable)	Moderate	7	Maintain
212-124	Resilient floor tile, 9" x 9", olive with white streaks	West hallway, basement level	2% Chrysotile	Ref. Sample 005		Significantly damaged (nonfriable)	High		
212-125	Plaster composite	Room 11	None detected	N/A	N/A	N/A	N/A		
212-126	Ceiling panel, 2' x 4', type 3	Hall by room 27	None detected	N/A	N/A	N/A	N/A		
212-127/ 12-15-95	Pipe joint insulation, 4" OD (elbow)	Hallway by room 27	15-20% Amosite 20-30% Chrysotile	3	EA	Damaged (friable)	High	2	Cap ends & Patch
212-128/ 12-15-95	Pipe run insulation, 5" OD	Hallway by room 27	5-10% Chrysotile	70	LF	Undamaged (friable)	Moderate	7	Maintain
212-129/ 12-15-95	Pipe run insulation, 4" OD	Hallway by room 27	3-8% Chrysotile	210	LF	Undamaged (friable)	Moderate	7	Maintain
212-130 12-15-95	Pipe run insulation, 2" OD	Hallway by room 27	5-12% Chrysotile	12	LF	Undamaged (friable)	Moderate	7	Maintain

82-130

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
212-131 / 12-15-95	Pipe run insulation, 4" OD	Hallway by room Z7	5-10% Chrysotile	Ref. sample 129		Damaged (friable)	High	2	Cap ends & patch
212-132 / 12-15-95	Pipe run insulation, 4" OD	Hallway by room Z7	2-6% Chrysotile	Ref. sample 129		Undamaged (friable)	Moderate	7	Maintain
212-133 / 12-15-95	Pipe run insulation, 2" OD	Hallway by room Z7	15-20% Chrysotile	Ref. sample 130		Damaged (friable)	High	2	Cap ends & patch
212-134 / 12-15-95	Pipe joint insulation, 4" OD (fitting)	Hallway by room Z7	15-25% Amosite 5-12% Chrysotile	3 EA		Damaged (friable)	High	2	Cap ends & patch
212-135 / 12-15-95	Pipe joint insulation, 4" OD (elbow)	Hallway by room Z7	30-35% Chrysotile	Ref. sample 134		Undamaged (friable)	Moderate	7	Maintain
212-136	Resilient floor tile and mastic, 12" x 12", white w/ tan spots	Room 25B	None detected	N/A	N/A	N/A	N/A		
212-137	Resilient floor tile and mastic, 12" x 12", white with light brown streaks	Room 24A	2% Chrysotile	Ref. Sample 005		Undamaged (nonfriable)	Low		
212-138	Resilient floor tile and mastic, 12" x 12", olive streaked	Room 25C	15% Chrysotile	280	SF	Undamaged (nonfriable)	Low		
212-139	Resilient floor tile and mastic, 12" x 12", olive streaked	Room 25C	3-8% Chrysotile (mastic -> 1% asbestos)	Ref. sample 138		Undamaged (nonfriable)	Low		
212-140	Resilient floor tile and mastic, 12" x 12", olive streaked	Room 25C	10% Chrysotile	Ref. sample 138		Undamaged (nonfriable)	Low		
212-141	Ceiling panel, 2' x 4', type 5	Room 25C	None detected	N/A	N/A	N/A	N/A		
212-142	Ceiling panel, 2' x 4', type 5	Room 25C	None detected	N/A	N/A	N/A	N/A		

22-301

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
212-143	Ceiling panel, 2' x 4', type 2	Room 25B	None detected	N/A	N/A	N/A	N/A		
212-144 / 12-19-95	Pipe run insulation, 5" OD	Room 25B	35-45% Chrysotile	30	LF	Undamaged (friable)	Moderate	7	Maintain
212-145 / 12-19-95	Pipe joint insulation, 4" OD (elbow)	Room 25B	50-60% Chrysotile 5-10% Crocidolite	6	EA	Undamaged (friable)	Moderate	7	Maintain
212-146	Resilient floor tile and mastic, 9" x 9", blue with white streaks	Hallway by room 25B	10% Chrysotile	Ref. Sample 006		Undamaged (nonfriable)	Low		
212-147	Resilient floor tile and mastic, 9" x 9", beige w/red and black streaks	Hallway by room 25B	5-10% Chrysotile (mastic-none detected)	Ref. Sample 006		Undamaged (nonfriable)	Low		
212-148	Resilient floor tile and mastic, 9" x 9", light grey	Hallway by room 314	20% Chrysotile	Ref. Sample 018		Undamaged (nonfriable)	Low		
212-149	Resilient floor tile and mastic, 9" x 9", black	Hallway by room 314	20% Chrysotile	Ref. Sample 018		Undamaged (nonfriable)	Low		
212-150	Baseboard and mastic, 3" high, tan	Hallway by room	None detected	N/A	N/A	N/A	N/A		
212-151	Carpet mastic	Room 309	None detected	N/A	N/A	N/A	N/A		
212-152	Carpet mastic	Room 309	None detected	N/A	N/A	N/A	N/A		
212-153	Baseboard and mastic, 3" high, olive	ROOM 322	None detected	N/A	N/A	N/A	N/A		
212-154	Baseboard and mastic, 5" high, brow	ROOM 323	None detected	N/A	N/A	N/A	N/A		
212-155	Resilient floor tile and mastic, 12" x 12", green, tan and white	Hallway by room 356	10% Chrysotile	700	SF	Undamaged (nonfriable)	Low		

82-302

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
212-156	Resilient floor tile and mastic, 12" x 12", green, tan and white	Hallway by room 354	3-8% Chrysotile (mastic-none detected)	Ref. sample 155		Undamaged (nonfriable)	Low		
212-157	Resilient floor tile and mastic, 12" x 12", green, tan and white	Hallway by room 356	10% Chrysotile	Ref. Sample 155		Undamaged (nonfriable)	Low		
212-158	Resilient sheet flooring and mastic white, grey and beige	Room 328A	None detected	N/A	N/A	N/A	N/A		
212-159	Resilient floor tile and mastic, 12" x 12", beige, white w/ tan streaks	Room 328	None detected	N/A	N/A	N/A	N/A		
212-160	Resilient floor tile and mastic, 12" x 12", cream with grey streaks	Hallway by room 328	None detected	N/A	N/A	N/A	N/A		
212-161	Resilient floor tile and mastic, 12" x 12", beige and white with tan streaks	Room 328	None detected	N/A	N/A	N/A	N/A		
212-162	Resilient floor tile and mastic, 12" x 12", white with tan spots	Room 351	2% Chrysotile (mastic->1% asbestos)	Ref. Sample 013		Undamaged (nonfriable)	Low		
212-163 / 12-20-95	Pipe joint insulation, 3" OD (elbow)	Room 333, pipe chase	40% Chrysotile	2	EA	Damaged (friable)	Moderate	4	Patch
212-164 / 12-20-95	Pipe run insulation, 3" OD	Room 333, pipe chase	40% Chrysotile	10	LF	Damaged (friable)	Moderate	4	Patch
212-165	Pipe joint insulation, 3" OD	Room 348	None detected	N/A	N/A	N/A	N/A		
212-166	Resilient floor tile and mastic, 12" x 12", turquoise w/ white/ grey stripes	Room 332	None detected	N/A	N/A	N/A	N/A		

82-303

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
212-167	Resilient floor tile and mastic, 12" x 12", turquoise w/ white/grey stripes	Room 332	None detected	N/A	N/A	N/A	N/A		
212-168	Resilient floor tile and mastic, 12" x 12", turquoise with white and grey stripes	Room 332	2% Chrysotile (mastic->1% asbestos)	240	SF	Undamaged (nonfriable)	Low		
212-169	Pipe joint insulation, 3" OD (elbow)	Room 331	None detected	N/A	N/A	N/A	N/A		
212-170	Pipe joint insulation, 3" OD (elbow)	Room 323	None detected	N/A	N/A	N/A	N/A		
212-171	Plaster composite	Room 323	None detected	N/A	N/A	N/A	N/A		
212-172	Roofing composite	Main roof	None detected	N/A	N/A	N/A	N/A		
212-173	Roofing composite	Main roof	None detected	N/A	N/A	N/A	N/A		
212-174	Roofing composite	Main roof	None detected	N/A	N/A	N/A	N/A		
212-175	Roofing felt (under clay tiles)	Main roof	None detected	N/A	N/A	N/A	N/A		
212-176	Roofing felt (under clay tiles)	Main roof	10-15% Chrysotile	3,460	SF	Damaged (friable)	Low		
212-177	Roofing felt (under clay tiles)	Main roof	None detected	N/A	N/A	N/A	N/A		
212-178	Flexible connector/vibration damper	Main roof	None detected	N/A	N/A	N/A	N/A		
212-179	Flexible connector/vibration damper	Main roof	None detected	N/A	N/A	N/A	N/A		
212-180	Roof composite	West roof	None detected	N/A	N/A	N/A	N/A		

82-304

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
212-181	Roof composite	West roof	None detected	N/A	N/A	N/A	N/A		
212-182	Roof composite	West roof	None detected	N/A	N/A	N/A	N/A		
212-183	Penetration mastic	Main roof	20% Chrysotile	500	SF	Undamaged (nonfriable)	Low		
212-184	Penetration mastic	Main roof	5-15% Chrysotile	Ref. sample 183		Undamaged (nonfriable)	Low		
212-185	Roofing mastic	Main roof	20% Chrysotile	780	SF	Undamaged (nonfriable)	Low		
212-186	Roofing mastic (at flashing)	Main roof	None detected	N/A	N/A	N/A	N/A		
212-187	Roofing mastic (at flashing)	Main roof	20% Chrysotile	Ref. sample 185		Undamaged (nonfriable)	Low		
212-188	Roofing mastic (at flashing)	Main roof	5-10% Chrysotile	Ref. sample 185		Undamaged (nonfriable)	Low		
212-189	Penetration mastic	Main roof	30% Chrysotile	Ref. sample 183		Undamaged (nonfriable)	Low		
212-190	Resilient floor tile and mastic, 12" x 12", white w/ tan, grey and green streaks	Hallway by room 255	None detected	N/A	N/A	N/A	N/A		
212-191	Resilient floor tile and mastic, 12" x 12", white w/ tan, grey and green streaks	Hallway by room 255	1-5% Chrysotile (mastic-none detected)	200	SF	Undamaged (nonfriable)	Low		

82-305

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
212-192	Pipe joint insulation, 3" OD (elbow)	Room 222, radiator	None detected	N/A	N/A	N/A	N/A		
212-193	Ceiling panel, 2' x 4', type 2	Hall by room 222	None detected	N/A	N/A	N/A	N/A		
212-194	Reallent floor tile and mastic, 12" x 12", white with tan streaks	Room 204	2% Chrysotile (maafic->1% asbestos)	970	SF	Undamaged (nonfriable)	Low		
212-195	Resilient floor tile and mastic, 12" x 12", white with tan streaks	Room 204	1-5% Chrysotile	Ref. sample 194		Undamaged (nonfriable)	Low		
212-196	Pipe joint insulation, 5" OD (elbow)	Room 218	None detected	N/A	N/A	N/A	N/A		
212-197	Ceiling panel, 2' x 4', type 1	Hall by room 218	None detected	N/A	N/A	N/A	N/A		
212-198	Plaster composite	Room 217 (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
212-199	Ceiling panel, 2' x 4', type 3	Room 209	None detected	N/A	N/A	N/A	N/A		
212-200	Pipe joint insulation, 3" OD (elbow)	Room 216, radiator	None detected	N/A	N/A	N/A	N/A		
212-201/ 12-19-95	Debris (suspect TSI)	Room 216 (ceiling cavity)	60% Chrysotile	400	SF	Significantly damaged (friable)	High	3	Remove
212-202	Pipe run lagging, 4" OD	Room 213	None detected	N/A	N/A	N/A	N/A		
212-203	Joint compound	Room 214A	None detected	N/A	N/A	N/A	N/A		
212-204	Resilient floor tile and mastic, 12" x 12", white w/ red spots	Hallway by room 147	None detected	N/A	N/A	N/A	N/A		

82-306

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
212-205	Exterior stucco	North side	None detected	N/A	N/A	N/A	N/A		
212-206	Mastic on refrigeration piping	Exterior, north side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		
212-207	Exterior stucco	Northwest side	None detected	N/A	N/A	N/A	N/A		
212-208	Mastic on refrigeration piping	Exterior, south side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		
212-209	Mastic on refrigeration piping	Exterior, south side, HVAC equip.	10-20% Chrysotile	10	LF	Undamaged (nonfriable)	Low		
212-210	Flexible connector/vibration dampener	Exterior, south side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		
212-211	Exterior stucco	Southeast side	None detected	N/A	N/A	N/A	N/A		
212-212	Exterior stucco	Northwest side	None detected	N/A	N/A	N/A	N/A		
212-213/ 12-19-95	REMOVED	-	-	-	-	-	-	-	-
212-214	Pipe joint insulation, 3" OD (elbow)	Hallway by	None detected	N/A	N/A	N/A	N/A		
212-215	Pipe joint insulation, 3" OD (elbow)	Hallway by	None detected	N/A	N/A	N/A	N/A		
212-216	Pipe joint insulation, 3" OD (elbow)	Room 123	None detected	N/A	N/A	N/A	N/A		
212-217/ 12-17-95	Pipe run insulation, 5" OD	Room 009	35% Chrysotile	30	LF	Undamaged (friable)	Moderate	7	Maintain
212-218	Pipe joint insulation, 3" OD (elbow)	Room 009	None detected	N/A	N/A	N/A	N/A		

82-307

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
212-219	Pipe joint insulation, 3" OD (elbow)	Hallway by	None detected	N/A	N/A	N/A	N/A		
212-220/ 12-18-95	Pipe run insulation, 4" OD	Hallway by room 6A	20% Chrysotile	100	LF	Slightly damaged (friable)	Moderate	5	Patch
212-221	Penetration mastic	Roof, south	10% Chrysotile	75	SF	Undamaged (nonfriable)	Low		
212-222	Penetration mastic	Roof, south	15% Chrysotile	Ref. sample 221		Undamaged (nonfriable)	Low		
212-223	Roofing mastic (at corner by drain)	Roof, east	15% Chrysotile	85	SF	Undamaged (nonfriable)	Low		
212-224	Penetration mastic	Roof, east	None detected	N/A	N/A	N/A	N/A		
212-225/ 12-19-95	Pipe run insulation, 3" OD Above ceiling - also extends east	Room 211	25% Amosite 25% Chrysotile	10	LF	Damaged (friable)	High Moderate	4	Patch
212-226/ 12-19-95	Pipe run insulation, 3" OD	Room 219	15% Chrysotile	10	LF	Damaged (friable)	High	4	Patch
212-227/ 12-19-95	Pipe joint insulation, 3" OD (elbow)	Room 219	40% Chrysotile	3	EA	Damaged (friable)	High	4	Patch
212-228/ 12-19-95	Pipe joint insulation, 3" OD (elbow) with debris	Room 220 ceiling hatch	30% Chrysotile	3	EA	Significantly damaged (friable)	High	3	Remove
212-229/ 12-19-95	Pipe run insulation, 3" OD with debris	Room 220 ceiling hatch	30% Chrysotile	10	LF	Significantly damaged (friable)	High	3	Remove

82-208

NOTES:

- 1) Ref. 212-004/122/127/131/133/134/226 to 229. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref 212-004/031/032/075 to 077/093/106/107/122/123/127 to 135/144/145/163/164/213/217/220/225 to 229. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 6) Ref. 212-071. Sink Undercoat is typically a black, cream, or grey material found on the underside of many sinks located throughout the VA Hospital complex. The black, grey, and some of the cream material has been found to be asbestos-positive. The newer material appears to be a white fibrous material which has been found to be asbestos-negative. It is nearly impossible to accurately estimate the number of sinks which have asbestos-containing sink undercoat material without sampling each individual sink in question. Therefore, the number listed in the ACM Quantity column is the number of asbestos-positive sinks in that area.
- 7) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 8) Ref. samples 212-074 to 077 and 093 and their associated rooms, rooms 20 and 19 respectively. All debris and ACM pipe insulation have been abated from these area since the initial sampling was performed. The amount shown in the ACM Quantity column are the estimated quantities of ACM material before the abatement was performed. These quantities are also included in Section B. Material and Cost Data.
- 9) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/ or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc.

10) In some rooms several different types of resilient floor tile may be present. In instances where the asbestos-containing RFT comprises the majority of the floor area, all floor tiles have been combined together when calculating the total square footage of materials to be abated. This is as follows:

9" x 9" dark brown w/yellow streaks RFT includes 12" x 12" white w/olive streaks RFT in room 123 and includes 12" x 12" black (as border tiles) RFT in room 107; 9" x 9" beige with red, black streaks RFT includes 9" x 9" blue with white streaks in rooms 15, 15A, 15B, 15C, 18, 28, 31, 124, and includes 9" x 9" olive with white streaks RFT in rooms 25C, 25D, 28, 31, and includes 12" x 12" white with large tan streaks in rooms 24A, 24B, and includes 12" x 12" white with tan spots in room 25C, and also includes 12" x 12" white with tan streaks in room 25D; 12" x 12" white w/tan spots RFT includes 12" x 12" white with tan streaks RFT in room 136 and includes 12" x 12" Black RFT in rooms 135, 136, 208, 209, 210, 211, 213, 216, 217, 223; 9" x 9" black with streaks RFT includes 12" x 12" black RFT and 9" x 9" light grey w/ streaks RFT in the hallway on 2nd and 3rd floors and in rooms 303, 304, 306, 307, 322, 323, 324, 309, 311, 312, 313, 316, 317, includes 9" x 9" solid black RFT in rooms 114, 314, and includes 9" x 9" solid white RFT in room 114, and also includes includes 12" x 12" white with olive streaks RFT in rooms 312, 314; 12" x 12" white with olive streaks RFT includes 12" x 12" dirty white with small olive streaks RFT in room 5, and includes 12" x 12" white with copper streaks RFT in room 4; 12" x 12" pink-red with white dots RFT includes 12" x 12" green with dark green in rooms 6, 10 and includes 12" x 12" white with small grey streaks RFT in room 6; 12" x 12" green, tan, white marble RFT includes 12" x 12" white with olive streaks RFT near the elevator; turquoise-green with white and dark grey small streaks RFT includes 12" x 12" black RFT in room 332; 12" x 12" white with grey streaks RFT includes 12" x 12" black RFT in rooms 110, 111, 116, 117.

82-310

c. Sampling Records

BUILDING 220									
Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
220-001	Plaster composite	Mechanical room	None detected	N/A	N/A	N/A	N/A		
220-002	Plaster composite	Mechanical room	None detected	N/A	N/A	N/A	N/A		
220-003	Plaster composite	Mechanical room	None detected	N/A	N/A	N/A	N/A		
220-004	Cork ceiling panel, 1' x 2', type 6	Mechanical room	None detected	N/A	N/A	N/A	N/A		
220-005	Cork ceiling panel, 1' x 2', type 6	Mechanical room	None detected	N/A	N/A	N/A	N/A		
220-006	Debris (suspect TSI) at valve	Mechanical room	None detected	N/A	N/A	N/A	N/A		
220-007	Debris (suspect TSI)	Mechanical room	None detected	N/A	N/A	N/A	N/A		
220-008 / 01-08-96	REMOVED								
220-009	Hot water tank insulation	Mechanical room	None detected	N/A	N/A	N/A	N/A		
220-010	Hot water tank insulation	Mechanical room	None detected	N/A	N/A	N/A	N/A		
220-011	Debris (suspect TSI)	Mechanical room, near hot water heater	None detected	N/A	N/A	N/A	N/A		
220-012	Debris (suspect TSI)	Mechanical room, near hot water heater	None detected	N/A	N/A	N/A	N/A		
220-013	Pipe joint insulation, 9" OD (elbow)	Mechanical room (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		

82-311

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
220-014	Pipe joint insulation, 4" OD (elbow)	Mechanical room, above H.W. tank	None detected	N/A	N/A	N/A	N/A		
220-015	Pipe joint insulation, 4" OD (elbow)	Mechanical room, by stair end	None detected	N/A	N/A	N/A	N/A		
220-016	Pipe run insulation, 6" OD,	Mechanical room, North crawl space	None detected	N/A	N/A	N/A	N/A		
220-017 / 01-08-96	Pipe run insulation, 3" OD,	Mechanical room, west crawl space	20-35% Chrysotile 5-15% Crocidolite	50	LF	Undamaged (friable)	Low	7	Maintain
220-018 / 01-08-96	Pipe run insulation, 3" OD,	Mechanical room, west crawl space	20% Amosite 38% Chrysotile	Ref. sample 017		Undamaged (friable)	Low	7	Maintain
220-019 / 01-08-96	Pipe run insulation, 3" OD,	Mechanical room, west crawl space	18-25% Chrysotile 5-10% Crocidolite	Ref. sample 017		Undamaged (friable)	Low	7	Maintain
220-020	Exterior stucco	Electrical room, south wall	None detected	N/A	N/A	N/A	N/A		
220-021	Exterior stucco	South side	None detected	N/A	N/A	N/A	N/A		
220-022	Exterior stucco	South side, west wing	None detected	N/A	N/A	N/A	N/A		
220-023	Resilient floor tile, 9" x 9", red with black and yellow streaks	Ground floor, east stairwell	20% Chrysotile	2,350	SF	Undamaged (nonfriable)	Low		
220-024	Resilient Sheet flooring and mastic, black	Ground floor, east stairwell	None detected	N/A	N/A	N/A	N/A		
220-025	Stair tread	Ground floor, east stairwell	1% Chrysotile	200	SF	Undamaged (nonfriable)	Low		

22-312

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
220-026	Resilient sheet flooring and mastic, black	Ground floor, east stairwell	None detected	N/A	N/A	N/A	N/A		
220-027	Resilient floor tile, 9" x 9", red with black and yellow streaks	Ground floor, east stairwell	10-20% Chrysotile (mastic->1% asbestos)	Ref. sample 023		Undamaged (nonfriable)	Low		
220-028	Stair tread	Ground floor, east stairwell	None detected	N/A	N/A	N/A	N/A		
220-029	Ceiling panel, 2' x 4', type 1	Ground floor, by east stairwell	None detected	N/A	N/A	N/A	N/A		
220-030	Ceiling panel, 2' x 4', type 2	Ground floor, by east stairwell	None detected	N/A	N/A	N/A	N/A		
220-031	Resilient floor tile and mastic, 12" x 12", beige with white	Ground floor, by room 3	None detected	N/A	N/A	N/A	N/A		
220-032	Baseboard, 4" high, beige	Ground floor, by room 3	None detected	N/A	N/A	N/A	N/A		
220-033/ 33592	Pipe run Insulation, 4" OD	Room 3	30-45% Chrysotile	20	LF	Undamaged (friable)	Moderate	7	Maintain
220-034/ 33592	Pipe run Insulation, 3" OD	Room 3	20% Chrysotile	40	LF	Undamaged (friable)	Moderate	7	Maintain
220-035/ 33592	Pipe run Insulation, 3" OD	Room 3	3-8% Chrysotile	15	LF	Undamaged (friable)	Moderate	7	Maintain
220-036/ 33592	Pipe run Insulation, 2" OD	Room 3	5-10% Chrysotile	15	LF	Undamaged (friable)	Moderate	7	Maintain

22-313

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
220-037	Plaster composite	Room 3	None detected	N/A	N/A	N/A	N/A		
220-038/ 33592	Pipe run insulation, 4" OD	Room 3	40-55% Chrysotile	Ref. sample 033		Undamaged (friable)	Moderate	7	Maintain
220-039/ 33592	Pipe run insulation, 3" OD	Room 3	5-10% Chrysotile	Ref. sample 034		Undamaged (friable)	Moderate	7	Maintain
220-040	Pipe run insulation, 3" OD	Room 3	None detected	N/A	N/A	N/A	N/A		
220-041/ 33592	Pipe run insulation, 2" OD	Room 3	5-15% Chrysotile	Ref. sample 036		Undamaged (friable)	Moderate	7	Maintain
220-042	Pipe run insulation, 3" OD	Room 3	None detected	N/A	N/A	N/A	N/A		
220-043	Pipe run insulation, 3" OD	Room 3	None detected	N/A	N/A	N/A	N/A		
220-044	Baseboard and mastic, 4" high, beige Hallway by room 4		None detected	N/A	N/A	N/A	N/A		
220-045	Pipe elbow insulation (elbow)	Room 2, Kiln flue	None detected	N/A	N/A	N/A	N/A		
220-046	Pipe run insulation	Room 2, Kiln flue	None detected	N/A	N/A	N/A	N/A		
220-047	Resilient floor tile and mastic, 12" x 12", beige with white	Room 2	30% Chrysotile (mastic > 1% asbestos)	4,130	SF	Undamaged (nonfriable)	Low		
220-048	Joint compound	Room 2 (above electrical panel)	None detected	N/A	N/A	N/A	N/A		
220-049	Ceiling panel, 2' x 4', type 1	Room 2	None detected	N/A	N/A	N/A	N/A		
220-050	Ceiling panel, 2' x 4', type 2	Room 2	None detected	N/A	N/A	N/A	N/A		

88-1314

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
220-051	Ceiling panel, 2' x 4', type 1	Hallway by room 6	None detected	N/A	N/A	N/A	N/A		
220-052	Ceiling panel, 2' x 4', type 2	Hallway by room 6	None detected	N/A	N/A	N/A	N/A		
220-053	Baseboard, 4" high, beige	Room 9	None detected	N/A	N/A	N/A	N/A		
220-054	Resilient floor tile and mastic, 9" x 9", red w/black and yellow stre floor, near exit	Stairwell, first floor, near exit	10-25% Chrysotile	Ref. sample 023		Undamaged (nonfriable)	Low		
220-055	Resilient floor tile and mastic, 12" x 12", white	Hallway by room 14	None detected	N/A	N/A	N/A	N/A		
220-056	Resilient floor tile and mastic, 12" x 12", beige with white	Hallway by room 14	None detected	N/A	N/A	N/A	N/A		
220-057	Resilient floor tile and mastic, 12" x 12", white with beige and grey	Room 103	Floor tile-none detecte (mastic->1% asbestos)	2,810	SF	Undamaged (nonfriable)	Low		
220-058	Resilient floor tile and mastic, 12" x 12", white with beige and grey	Room 113	None detected	N/A	N/A	N/A	N/A		
220-059	Resilient floor tile and mastic, 12" x 12", beige with grey and brown	Room 128	None detected	N/A	N/A	N/A	N/A		
220-060	Resilient floor tile and mastic, 12" x 12", white w/small brown streaks	Room 128	Floor tile-none detecte (mastic->1% asbestos)	48	SF	Undamaged (nonfriable)	Low		
220-061	Plaster composite	Rm. 127, pipe chase	None detected	N/A	N/A	N/A	N/A		
220-062	Pipe run insulation, 2" OD (no access assume it exists)	Room 127, pipe chase	40% Chrysotile	3	LF	Undamaged (friable)	Low		

82-315

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
220-063	Resilient floor tile and mastic, 9" x 9", red w/white streaks	Room 127, pipe chase	10-20% Chrysotile (mastic-none detected)	140	SF	Undamaged (friable)	Low		
220-064	Resilient floor tile and mastic, 12" x 12", white with beige and brown	Room 122	None detected	N/A	N/A	N/A	N/A		
220-065	Baseboard and mastic, 4" high, beige	Room 122	None detected	N/A	N/A	N/A	N/A		
220-066	Ceiling panel, 2' x 4', type 3	Room 122B	None detected	N/A	N/A	N/A	N/A		
220-067	Ceiling panel, 2' x 4', type 5	Room 132	None detected	N/A	N/A	N/A	N/A		
220-068	Ceiling panel, 2' x 4', type 5	Hallway by room 114	None detected	N/A	N/A	N/A	N/A		
220-069	Baseboard and mastic, 5" high, grey	Room 132	None detected	N/A	N/A	N/A	N/A		
220-070	Plaster composite	Elevator lobby, first floor (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
220-071	Plaster composite	Elevator lobby, first floor (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
220-072	Ceiling panel, 2' x 4', type 3	Room 122A	None detected	N/A	N/A	N/A	N/A		
220-073	Resilient floor tile and mastic, 12" x 12", white with brown streaks	Room 210	None detected	N/A	N/A	N/A	N/A		
220-074	Resilient floor tile and mastic, 12" x 12", white with brown streaks	Room 207A	Floor tile-none detected (mastic->1% asbestos)	1,850	SF	Undamaged (nonfriable)	Low		
220-075	Resilient floor tile and mastic, 12" x 12", white with brown streaks	Room 214 (wall)	Floor tile-none detected (mastic->1% asbestos)	Ref. sample 074		Undamaged (nonfriable)	Low		

82-316

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
220-076	Baseboard, 4" high, black	Room 214	None detected	N/A	N/A	N/A	N/A		
220-077	Baseboard, 4" high, black	Room 221	None detected	N/A	N/A	N/A	N/A		
220-078	Resilient floor tile and mastic, 12" x 12", beige and brown	Room 221	Floor tile-none detecte (mastic->1% asbestos)	120	SF	Undamaged (nonfriable)	Low		
220-079	Resilient floor tile and mastic, 12" x 12", beige and brown	Room 221	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 078		Undamaged (nonfriable)	Low		
220-080	Plaster composite	Room 221	None detected	N/A	N/A	N/A	N/A		
220-081/ 12-21-95	Pipe run insulation, 2" OD	Room 328, in pipe chase	50-65% Chrysotile 5-15% Crocidolite	3	LF	Significantly damaged (friable)	High	3	Cap ends
220-082	Plaster composite	Room 328, in pipe chase	None detected	N/A	N/A	N/A	N/A		
220-083	Resilient floor tile and mastic, 9" x 9", red w/black and yellow streaks	Room 328	5% Chrysotile	Ref. sample 023		Undamaged (nonfriable)	Low		
220-084	Resilient sheet flooring, light brown	Room 323	None detected	N/A	N/A	N/A	N/A		
220-085	Ceiling panel, 2' x 4', type 4	Hallway by room 302	None detected	N/A	N/A	N/A	N/A		
220-086	Ceiling panel, 2' x 4', type 4	Hallway by room 313	None detected	N/A	N/A	N/A	N/A		
220-087	Ceiling panel, 2' x 4', type 4	Hallway by room 310	None detected	N/A	N/A	N/A	N/A		
220-088	Plaster composite	Room 114	None detected	N/A	N/A	N/A	N/A		
220-089/ 12-21-95	Pipe run insulation, 2" OD	Room 3	5-15% Chrysotile	Ref. sample 036		Undamaged (friable)	Moderate	7	Maintain

82. 6.17

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	ACM Condition and Friability	Potential Exposure	Priority	Response
220-090 / 12-21-95	Pipe run insulation, 3" OD	Room 3	1-5% Chrysotile	Ref. sample 035	Undamaged (friable)	Moderate	7	Maintain
220-091 / 12-21-95	Pipe run insulation, 3" OD	Room 3	10% Chrysotile	Ref. sample 034	Undamaged (friable)	Moderate	7	Maintain
220-092 / 12-21-95	Pipe run insulation, 4" OD	Room 3	40% Chrysotile	Ref. sample 033	Slightly damaged (friable)	Moderate	5	Patch
220-093	Baseboard, 4" high, black	Hallway by room 5	None detected	N/A	N/A	N/A		
220-094	Plaster composite	Room 114 (ceiling cavity)	None detected	N/A	N/A	N/A		
220-095	Plaster composite	Room 114 (ceiling cavity)	None detected	N/A	N/A	N/A		
220-096	Plaster composite	Room 114 (ceiling cavity)	None detected	N/A	N/A	N/A		
220-097	Pipe insulation, 3" OD (no access assume it exists)	Room 127, pipe chase	5-10% Chrysotile	Ref. sample 062	Undamaged (friable)	Low		
220-098	Pipe insulation, 3" OD (no access assume it exists)	Room 127, pipe chase	3-8% Chrysotile	Ref. sample 062	Undamaged (friable)	Low		
220-099	Resilient floor tile, 9" x 9", red with white streaks	Room 127	5% Chrysotile	Ref. sample 062	Undamaged (nonfriable)	Low		
220-100	Resilient floor tile and mastic, 9" x 9", red	Room 127 (below sample #099)	5-15% Chrysotile (mastic->1% asbestos)	45 SF	Undamaged (nonfriable)	Low		

82-318

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
220-101	Resilient floor tile and mastic, 9" x 9", red	Rm 127 (below sample #099)	10-20% Chrysotile (mastic > 1% asbestos)	Ref. sample 100	100	Undamaged (nonfriable)	Low		
220-102	Plaster composite	3rd floor by elevator	None detected	N/A	N/A	N/A	N/A		
220-103	Carpet mastic (under carpet)	Elevator	None detected	N/A	N/A	N/A	N/A		
220-104	Carpet mastic (under carpet)	Elevator	None detected	N/A	N/A	N/A	N/A		
220-105	Leveling compound	Elevator	None detected	N/A	N/A	N/A	N/A		
220-106	Carpet mastic (under carpet)	Hallway by room 307	None detected	N/A	N/A	N/A	N/A		
220-107	Carpet mastic (under carpet)	Hallway by room 302	None detected	N/A	N/A	N/A	N/A		
220-108	Carpet mastic (under carpet)	Third floor, by elevator	None detected	N/A	N/A	N/A	N/A		
220-109	Window caulking	Exterior, south wall	None detected	N/A	N/A	N/A	N/A		
220-110	Exterior stucco	South side	None detected	N/A	N/A	N/A	N/A		
220-111	Canvas tape	Exterior, northeast corner, HVAC equip.	None detected	N/A	N/A	N/A	N/A		
220-112	Canvas tape	Exterior, northeast corner, HVAC equip.	None detected	N/A	N/A	N/A	N/A		
220-113	Canvas tape	Exterior, northeast corner, HVAC equip.	None detected	N/A	N/A	N/A	N/A		
220-114	Window caulking	Exterior, north wall	None detected	N/A	N/A	N/A	N/A		
220-115	Exterior stucco	North side	None detected	N/A	N/A	N/A	N/A		
220-116	Exterior stucco	North side	None detected	N/A	N/A	N/A	N/A		

22-319

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
220-117	Exterior stucco	South side	None detected	N/A	N/A	N/A	N/A		
220-118	Window caulking	Exterior, southwest	None detected	N/A	N/A	N/A	N/A		
220-119	Resilient floor tile and mastic, 12" x 12" beige with white	Basement, hallway by restroom	None detected	N/A	N/A	N/A	N/A		
220-120	Resilient floor tile and mastic, 4" x 4" brown and white	Elevator	None detected	N/A	N/A	N/A	N/A		
220-121	Resilient floor tile and mastic, 9" x 9" grey with black and yellow	Room 109	5% Chrysotile (mastic-10% Chrysotile)	150	SF	Undamaged (nonfriable)	Low		
220-122	Resilient floor tile and mastic, 9" x 9" red with white	Room 108	3% Chrysotile	1,250	SF	Undamaged (nonfriable)	Low		
220-123	Resilient floor tile, 9" x 9" red with white	Hallway by room 113	3% Chrysotile (mastic-10% Chrysotile)	Ref. sample 122		Undamaged (nonfriable)	Low		
220-124	Exterior stucco	East side	None detected	N/A	N/A	N/A	N/A		
220-125	Exterior stucco	North side	None detected	N/A	N/A	N/A	N/A		
220-126	Exterior stucco	North side	None detected	N/A	N/A	N/A	N/A		
220-127 / 12-21-95	Pipe joint insulation, 3"OD (elbow)	Room 209	65% Chrysotile	15	LF	Significantly damaged (friable)	High	1	Remove
220-128 / 12-21-95	Pipe run insulation, 3"OD	Room 209	50% Chrysotile	30	LF	Damaged (friable)	High	2	Patch
220-129 / 12-21-95	Pipe run insulation, 3"OD	Room 215A	60% Chrysotile 0.5% Crocidolite	25	LF	Slightly damaged (friable)	High	5	Patch

82-626

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
220-130	Roofing felt (under clay tiles)	Penthouse roof	None detected	N/A	N/A	N/A	N/A		
220-131	Roofing felt (under clay tiles)	Penthouse roof	None detected	N/A	N/A	N/A	N/A		
220-132	Resilient floor tile and mastic, 9" x 9" brown	Stairway, 1st floor west side	2% Chrysotile	40	LF	Undamaged (nonfriable)	Low		
220-133	Stair tread	Stairway, 1st floor west side	None detected	N/A	N/A	N/A	N/A		

NOTES:

- 1) Ref. Sample 220-062/081. Only three linear feet of pipe are visible in each of these pipe chases. The additional piping runs above the plaster ceiling, which makes it impossible to quantify without destructive sampling.
- 2) Ref. 220-017 to 019/033 to 036/038/039/041/062/081/089 to 092/097/098/127 to 129. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Ref. 220-128/129. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 4) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 5) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transite piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 6) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork; or if further sampling results show non detection for asbestos.
- 7) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.

20 - 321

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-GLAHS BUILDING 220
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN SPIVEY**

November 15, 2002

November 15, 2002
Contract No. V691P-6501 Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
Bldg. 218, Room 328
11301 Wilshire Boulevard
Los Angeles, CA 90073

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
BUILDING NO 220, VA-GLAHS WEST LA
11301 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073**

Environmental Engineering, Inc. on behalf of the United States Department of Veterans Affairs, conducted a reinspection of asbestos containing materials (ACM) at Building 220 of the USVA-Greater Los Angeles Healthcare System (GLAHS) in Los Angeles, California. Mr. James Spencer, Mr. Roman Akeh and Dr. Zainul Abedin of Environmental Engineering, Inc. performed the asbestos monitoring at the Site on October 28, 2002. Mr. James Spencer is a California asbestos consultant (CAC#92-0368), Mr. Roman Akeh is a California asbestos consultant (CAC #93-1176) and Dr. Zainul Abedin is an asbestos building inspector and management planner and an accredited Lead Inspector and Risk Assessor (I/S-1151) in the State of California.

Environmental Engineering Inc. performed a survey of the site structures to identify, assess, and sample suspect ACM at the Site, and to recommend, if necessary, appropriate response actions upon the findings of the survey. The survey consisted of a walk-through of the accessible areas, visual observation for the presence of potential ACM and subsequent sampling for presumed asbestos containing materials; and reassess the conditions of the known asbestos containing materials presently. Flooring, carpet mastic, ceiling, wall plaster, cove base, canvas tape and exterior stucco surfacing, thermal system insulation on pipes, elbows, joints, ducts and debris and asphaltic roofing felt and mastic were previously sampled and tested. Friable asbestos was found in the following materials throughout the building:

- 2"Φ Pipe Insulations
- 3"Φ Pipe Insulations
- 3"Φ Elbow Insulations
- 4"Φ Pipe Insulations

Bldg. 220, VA-GLAHS

Page 2

Non-friable asbestos was found in the following materials throughout the building:

9"X9" floor tile & mastic
12"X12" floor tile & mastic
Linoleum sheet flooring & mastic

During this reinspection survey, no additional suspect asbestos-containing materials were identified and/or sampled in Building 220, instead conditions of the known asbestos-containing materials were visually observed and re-assessed for management response actions. Based on the findings of this reinspection, pipe insulations in Room 328 Pipe Chase have significant damages requiring containment or abatement. The results of this survey are summarized in Table 1 with recommended management response actions. In the meantime, friable pipe insulations and debris were abated in the ground floor rooms 3 and 5, air compressors and first floor, and non-friable vinyl asbestos tiles and mastic were abated from the ground floor halls.

Environmental Engineering, Inc. conducted the asbestos monitoring in accessible areas of the site. Other conditions may exist in inaccessible areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. This survey was performed in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature. If you have any questions concerning the methodology or the results of this survey, please contact us at (818) 547-1330.

Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,



Zainul Abedin, PhD, REA
Project Manager

**BUILDING 220, VA-GLAHS
ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 10/28/02

Materials	Location	ACM Condition	Friability	Potential Exposure	Priority	Response
9"X9" Floor Tile & Mastic	Stairwells, Ground & 1 st Floors	Undamaged	None	Low	7	Maintain
	Rooms 108, 109, 127, 221, 328	Undamaged	None	Low	7	Maintain
	Rooms 2, 103, 128, 207A,	Undamaged	None	Low	7	Maintain
12"X12" Floor Tile & Mastic						
2"φ Pipe Insulations	Room 328 Pipe Chase	Significantly Damaged	Yes	Low	3	Cap Ends
3"φ Elbows & Pipe Insulations	West Crawl Space, Mechanical Room	Undamaged	Yes	Low	7	Maintain
	Rooms 209, 215A	Undamaged	Yes	Low	7	Maintain

Abated/Removed : TSI/Debris in Room 3, 5, East Wing of First Floor
Floor Tiles from First Floor Halls

c. Sampling Records

BUILDING 222									
Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
222-001	Resilient floor tile, 12" x 12", white	Hallway by room 10 (below carpet)	2% Chrysotile (mastic-none detected)	800	SF	Undamaged (nonfriable)	Low		
222-002	Resilient floor tile and mastic, 12" x 12", white	Hallway by room 10 (below carpet)	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 001		Undamaged (nonfriable)	Low		
222-003	Carpet mastic, yellow	Hallway by room 109	None detected	N/A	N/A	N/A	N/A		
222-004	Resilient floor tile, 12" x 12", white	Hallway by room 10 (below carpet)	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 001		Undamaged (nonfriable)	Low		
222-005	Baseboard and mastic, 3" high, brow	Hallway by room 109	None detected	N/A	N/A	N/A	N/A		
222-006	Plaster composite	Hallway by room 109	None detected	N/A	N/A	N/A	N/A		
222-007	Joint compound	Room 103	None detected	N/A	N/A	N/A	N/A		
222-008	Resilient floor tile, 12" x 12", grey with brown spots	Room 104	Floor tile-none detecte (mastic-2% Chrysotile)	3,850	SF	Undamaged (nonfriable)	Low		
222-009	Joint compound	Room 104	None detected	N/A	N/A	N/A	N/A		
222-010	Sink undercoat	Room 104	5-12% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
222-011	Sink undercoat	Room 104	None detected	N/A	N/A	N/A	N/A		
222-012 / 01-17-96	Pipe run insulation, 4" OD,	Room 110	10% Chrysotile	10	LF	Undamaged (friable)	Moderate	7	Maintain

82 - 226

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
222-013 / 01-17-96	Pipe run insulation, 4" OD,	Room 110	10-12% Chrysotile	Ref. sample 012	012	Undamaged (friable)	Moderate	7	Maintain
222-014	Baseboard, 5" high, black	Room 111	None detected	N/A	N/A	N/A	N/A		
222-015	Baseboard, 5" high, black	Room 111	None detected	N/A	N/A	N/A	N/A		
222-016	Baseboard, 5" high, black	Room 111	None detected	N/A	N/A	N/A	N/A		
222-017	Resilient floor tile, 12" x 12", white with brown streaks	Room 111	Floor tile-none detecte (mastic-2% Chrysotile)	150	SF	Undamaged (nonfriable)	Low		
222-018	Resilient floor tile, 12" x 12", white with brown streaks	Room 111	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 017	017	Undamaged (nonfriable)	Low		
222-019	Resilient floor tile, 12" x 12", white, brown, and green streaks	first floor Women's restroom	None detected	N/A	N/A	N/A	N/A		
222-020	Resilient floor tile, 12" x 12", white, brown, and green streaks	First floor Men's restroom,	None detected	N/A	N/A	N/A	N/A		
222-021	Resilient floor tile, 12" x 12", white, brown, and green streaks	Room 106	None detected	N/A	N/A	N/A	N/A		
222-022	REMOVED	-	-	-	-	-	-	-	-
222-023	REMOVED	-	-	-	-	-	-	-	-

82-347

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
222-024	Resilient floor tile, 12" x 12", green w/ brown, yellow & white blotches	First floor, hallway by elevator	None detected	N/A	N/A	N/A	N/A		
222-025	Joint compound	First floor, hallway east wing	None detected	N/A	N/A	N/A	N/A		
222-026	Baseboard, 3" high, black	Room 101	None detected	N/A	N/A	N/A	N/A		
222-027	Baseboard, 3" high, black	Hallway, east wing, first floor	None detected	N/A	N/A	N/A	N/A		
222-028	Baseboard, 3" high, black	Hallway, east wing, first floor	None detected	N/A	N/A	N/A	N/A		
222-029	Carpet mastic, yellow	Room 103	None detected	N/A	N/A	N/A	N/A		
222-030	Carpet mastic, yellow	Room 103	None detected	N/A	N/A	N/A	N/A		
222-031	Baseboard, 3" high, grey	Room 102	None detected	N/A	N/A	N/A	N/A		
222-032	Baseboard, 3" high, grey	Room 102	None detected	N/A	N/A	N/A	N/A		
222-033	Baseboard, 3" high, grey	Room 102	None detected	N/A	N/A	N/A	N/A		
222-034	Ceiling panel, 2' x 4', type 3	Room 102	None detected	N/A	N/A	N/A	N/A		
222-035	Resilient sheet flooring, green	Elevator (under yellow floor tile)	2% Chrysotile (mastic-none detected)	45	SF	Undamaged (nonfriable)	Low		
222-036	Resilient floor tile, 12" x 12", yellow	Elevator	None detected	N/A	N/A	N/A	N/A		

82 1329

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
222-037	Resilient sheet flooring, green	Elevator	None detected	N/A	N/A	N/A	N/A		
222-038	Resilient sheet flooring, green	Elevator	None detected	N/A	N/A	N/A	N/A		
222-039	Resilient floor tile, 12" x 12", yellow	Elevator	None detected	N/A	N/A	N/A	N/A		
222-040	Resilient floor tile, 12" x 12", yellow	Elevator	None detected	N/A	N/A	N/A	N/A		
222-041	Resilient floor tile, 9" x 9", blue	Room 202	2% Chrysotile (mafic-none detected)	2,650	SF	Undamaged (nonfriable)	Low		
222-042	Resilient floor tile, 9" x 9", blue	Room 202	3-8% Chrysotile (mafic-none detected)	Ref. sample 041		Undamaged (nonfriable)	Low		
222-043	Resilient floor tile, 9" x 9", blue	Room 202	1-5% Chrysotile (mafic-none detected)	Ref. sample 041		Undamaged (nonfriable)	Low		
222-044	Resilient floor tile, 9" x 9", brown	Room 205	5% Chrysotile (mafic-none detected)	Ref. sample 041		Undamaged (nonfriable)	Low		
222-045	Resilient floor tile, 9" x 9", brown	Room 205	1-5% Chrysotile (mafic->1% asbestos)	Ref. sample 041		Undamaged (nonfriable)	Low		
222-046	Resilient floor tile, 9" x 9", brown	Room 205	None detected	N/A	N/A	N/A	N/A		
222-047	Resilient floor tile, 9" x 9", grey	Room 207	15% Chrysotile	130	SF	Undamaged (nonfriable)	Low		
222-048	Resilient floor tile, 9" x 9", grey	Room 207	5-10% Chrysotile (mafic->1% asbestos)	Ref. sample 047		Undamaged (nonfriable)	Low		
222-049	Resilient floor tile, 9" x 9", grey	Room 207	5-10% Chrysotile (mafic->1% asbestos)	Ref. sample 047		Undamaged (nonfriable)	Low		

82-324

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
222-050	Plaster composite	Room 207	None detected	N/A	N/A	N/A	N/A		
222-051	Ceiling panel, 2' x 4', type 3	Room 111	None detected	N/A	N/A	N/A	N/A		
222-052	Ceiling panel, 2' x 4', type 3	Hallway, across from elevator, first floor	None detected	N/A	N/A	N/A	N/A		
222-053	Flexible connector/vibration damper	Men's restroom, (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
222-054	Flexible connector/vibration damper	Men's restroom, (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
222-055	Ceiling panel, 2' x 4', type 4	Room 104	None detected	N/A	N/A	N/A	N/A		
222-056 / 01-18-96	Pipe run insulation, 3" OD	Room 104 (ceiling cavity)	20% Amosite	25	LF	Undamaged (friable)	Low	7	Maintain
222-057 / 01-18-96	Pipe run insulation, 3" OD,	Room 104 (ceiling cavity)	20-35% Amosite	Ref. sample 056		Undamaged (friable)	Low	7	Maintain
222-058 / 01-18-96	Pipe joint insulation, 3" OD,	Room 104 (ceiling cavity)	50-65% Amosite	Ref. sample 056		Undamaged (friable)	Low	7	Maintain
222-059	Ceiling panel, 2' x 4', type 4	Room 104	None detected	N/A	N/A	N/A	N/A		
222-060	Ceiling panel, 2' x 4', type 4	Room 104	None detected	N/A	N/A	N/A	N/A		
222-061 / 01-17-96	REMOVED	-	-	-	-	-	-	-	-
222-062 / 01-17-96	REMOVED	-	-	-	-	-	-	-	-

22-630

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
222-063	Ceiling panel, 2' x 4', type 1	Hallway by room 109	None detected	N/A	N/A	N/A	N/A		
222-064	Ceiling panel, 2' x 4', type 1	Room 107	None detected	N/A	N/A	N/A	N/A		
222-065	Ceiling panel, 2' x 4', type 1	Hallway by room 109	None detected	N/A	N/A	N/A	N/A		
222-066	Ceiling panel, 2' x 4', type 2	Room 103	None detected	N/A	N/A	N/A	N/A		
222-067	Ceiling panel, 2' x 4', type 2	Room 103	None detected	N/A	N/A	N/A	N/A		
222-068	Ceiling panel, 2' x 4', type 2	Room 103	None detected	N/A	N/A	N/A	N/A		
222-069	Ceiling panel, 2' x 4', type 5	Room 201	None detected	N/A	N/A	N/A	N/A		
222-070	Ceiling panel, 2' x 4', type 5	Room 201	None detected	N/A	N/A	N/A	N/A		
222-071	Ceiling panel, 2' x 4', type 5	Room 201	None detected	N/A	N/A	N/A	N/A		
222-072/ 01-17-96	REMOVED	-	-	-	-	-	-	-	-
222-073/ 01-17-96	REMOVED	-	-	-	-	-	-	-	-
222-074/ 01-17-96	REMOVED	-	-	-	-	-	-	-	-
222-075/ 01-17-96	REMOVED	-	-	-	-	-	-	-	-
222-076/ 01-17-96	REMOVED	-	-	-	-	-	-	-	-
222-077	Penetration mastic	Roof	30% Chrysotile	15	EA	Undamaged (nonfriable)	Low		

82 - 631

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	ACM Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
222-078	Roof composite	Roof	None detected	N/A	N/A	N/A	N/A		
222-079	Penetration mastic	Roof	3-8% Chrysotile	Ref. sample 077		Undamaged (nonfriable)	Low		
222-080	Pipe joint insulation, 8" OD (elbow)	Roof	10-25% Chrysotile	2	EA	Significantly damaged (friable)	High		
222-081	Debris (suspect TSI)	Roof	40% Chrysotile	8	SF	Significantly damaged (friable)	High		
222-082	Debris (suspect TSI)	Roof	10-20% Amoslte	Ref. sample 081		Significantly damaged (friable)	High		
222-083	Flexible connector/vibration damp	Exterior wall, east	None detected	N/A	N/A	N/A	N/A		
222-084	Flexible connector/vibration damp	Exterior wall, east	None detected	N/A	N/A	N/A	N/A		
222-085	Canvas tape	Exterior wall, east	None detected	N/A	N/A	N/A	N/A		
222-086	Canvas tape	Exterior wall, east	None detected	N/A	N/A	N/A	N/A		
222-087	Pipe run insulation, 5" OD	Exterior wall, northeast side, near mechanical equipment	None detected	N/A	N/A	N/A	N/A		
222-088	Pipe run insulation, 5" OD	Exterior wall, northeast side, near mechanical equipment	None detected	N/A	N/A	N/A	N/A		
222-089	Resilient floor tile and mastic, 12"x12", white with dark grey streaks	Basement floor, southeast room	Floor tile-none detecte (mastic-2% Amosite)	720	SF	Undamaged (nonfriable)	Low		

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
222-090	Resilient floor tile and mastic, 12"x12", white with dark grey streaks	Basement floor, southeast room	Floor tile-none detected (mastic->1% asbestos)	Ref. sample 089	N/A	Undamaged (nonfriable)	Low		
222-091	Resilient floor tile, 12" x 12", white with dark grey streaks	Basement floor, southeast room	None detected	N/A	N/A	N/A	N/A		
222-092	Baseboard, 3" high, dark grey	Basement floor, southeast room	None detected	N/A	N/A	N/A	N/A		
222-093	Baseboard, 3" high, dark grey	Basement floor, southeast room	None detected	N/A	N/A	N/A	N/A		
222-094/ 01-17-96	REMOVED	-	-	-	-	-	-	-	-
222-095/ 01-17-96	REMOVED	-	-	-	-	-	-	-	-
222-096/ 01-17-96	Pipe run insulation, 4" OD (small amount remaining inside wall penetration)	Electrical room, west	20% Amosite 20% Chrysotile	1	LF	Undamaged (friable)	Moderate	4	Cap end
222-097/ 01-17-96	Pipe run insulation, 3" OD (small amount remaining inside wall penetration)	Electrical room, west	5% Chrysotile	1	LF	Undamaged (friable)	Moderate	4	Cap end
222-098/ 01-17-96	Pipe run insulation, 4" OD (small amount remaining inside wall penetration)	Electrical room, west	5% Chrysotile	1	LF	Undamaged (friable)	Moderate	4	Cap end
222-099	Pipe run insulation, 4" OD	Electrical room, west	None detected	N/A	N/A	N/A	N/A		
222-100/ 01-17-96	REMOVED	-	-	-	-	-	-	-	-

2
133

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
222-101 / 01-17-96	REMOVED								
222-102 / 01-18-96	Pipe run insulation, 3" OD	Room 005	10% Amosite	15	LF	Damaged (friable)	Moderate	4	Remove
222-103 / 01-18-96	Pipe joint insulation, 3" OD (elbow)	Room 005	20% Chrysotile	4	Each	Damaged (friable)	Moderate	4	Remove
222-104 / 01-18-96	Pipe run insulation, 3" OD	Room 005	5% Amosite 2% Chrysotile	Ref. sample 102		Damaged (friable)	Moderate	4	Remove
222-105	Resilient floor tile, 12" x 12", grey with brown spots	Room 104	2% Chrysotile	Ref. sample 008		Damaged (friable)	Low		
222-106	Resilient floor tile, 12" x 12", grey with brown spots	Room 104	2% Chrysotile	Ref. sample 008		Undamaged (nonfriable)	Low		
222-107	Sink undercoat	Room 104	2% Chrysotile	Ref. sample 010		Undamaged (nonfriable)	Low		
222-108	Roofing mastic (at flashing)	Roof	40% Chrysotile	400	SF	Undamaged (nonfriable)	Low		
222-109	Roofing mastic (at flashing)	Roof	40% Chrysotile	Ref. sample 108		Undamaged (nonfriable)	Low		

22-334

NOTES:

- 1) Ref 222-012/013/056 to 058/061/062/072 to 076/080/094 to 098/100 to 104. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 2) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 3) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 4) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork; or if further sampling results show non detection for asbestos.
- 5) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 6) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/ or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.
- 7) Ref 222-010/011/107. Sink Undercoat is typically a black, cream, or grey material found on the underside of many sinks located throughout the VA Hospital complex. The black, grey, and some of the cream material has been found to be asbestos-positive. The newer material appears to be a white fibrous material which has been found to be asbestos-negative. It is nearly impossible to accurately estimate the number of sinks which have asbestos-containing sink undercoat material without sampling each individual sink in question. Therefore, the number listed in the ACM Quantity column is the number of asbestos-positive sinks in that area.

82-335

c. Sampling Records

BUILDINGS 224 AND T-94

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit and Friability	ACM Condition	Potential Exposure	Priority	Response
224-001	Resilient floor tile and mastic, 12" x 12", white with tan streaks	Room 107	None detected	N/A	N/A	N/A	N/A		
224-002	Resilient floor tile and mastic, 12" x 12", white with tan streaks	Room 107	None detected	N/A	N/A	N/A	N/A		
224-003	Resilient floor tile and mastic, 12" x 12", white with tan streaks	Room 107	None detected	N/A	N/A	N/A	N/A		
224-004	Baseboard and mastic, 5" high, grey	Room 107	None detected	N/A	N/A	N/A	N/A		
224-005	Baseboard and mastic, 5" high, grey	Room 107	None detected	N/A	N/A	N/A	N/A		
224-006	Baseboard and mastic, 5" high, grey	Room 107	None detected	N/A	N/A	N/A	N/A		
224-007 / 01-17-96	REMOVED	-	-	-	-	-	-	-	-
224-008 / 01-17-96	REMOVED	-	-	-	-	-	-	-	-
224-009 / 01-17-96	REMOVED	-	-	-	-	-	-	-	-
224-010	Pipe run insulation, 3" OD	Room 107	None detected	N/A	N/A	N/A	N/A		

82-336

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
224-011	Pipe run insulation, 2" OD	2nd floor southwest corner by sink	None detected	N/A	N/A	N/A	N/A		
224-012/ 01-17-96	REMOVED	-	-	-	-	-	-	-	-
224-013/ 01-17-96	REMOVED	-	-	-	-	-	-	-	-
224-014/ 01-17-96	REMOVED	-	-	-	-	-	-	-	-
224-015/ 01-17-96	Pipe run insulation, 3" OD	2nd floor east wall	40% Chrysotile	60	LF	Slightly damaged (friable)	Low Moderate	5	Patch
224-016/ 01-17-96	Pipe run insulation, 3" OD	2nd floor east wall	5-15% Amosite 50-60% Chrysotile	Ref. sample 016		Slightly damaged (friable)	Low Moderate	5	Patch
224-017	Flexible connector/vibration damper	2nd floor	None detected	N/A	N/A	N/A	N/A		
224-018	Flexible connector/vibration damper	2nd floor	None detected	N/A	N/A	N/A	N/A		
224-019	Canvas material on parapet wall	Roof	2% Chrysotile	2,300	SF	Undamaged (nonfriable)	Low		
224-020	Canvas material on parapet wall	Roof	2% Chrysotile	Ref. sample 019		Undamaged (nonfriable)	Low		
224-021	Roof mastic (thin material over metal flashing)	Roof	2% Chrysotile	500	SF	Undamaged (nonfriable)	Low		
224-022	Roof mastic (thin material over metal flashing)	Roof	None detected	N/A	N/A	N/A	N/A		

82-337

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
224-023	Debris (suspect TSI)	Roof	None detected	N/A	N/A	N/A	N/A		
224-024	Debris (suspect TSI)	Roof	None detected	N/A	N/A	N/A	N/A		
224-025	Window caulking	Roof	None detected	N/A	N/A	N/A	N/A		
224-026	Window caulking	Roof	None detected	N/A	N/A	N/A	N/A		
T-84-027	Baseboard and mastic, 3" high, black	Men's restroom	None detected	N/A	N/A	N/A	N/A		
T-84-028	Baseboard and mastic, 3" high, black	Men's restroom	None detected	N/A	N/A	N/A	N/A		
T-84-029	Joint compound	Men's restroom	None detected	N/A	N/A	N/A	N/A		
T-84-030	Joint compound	Men's restroom	None detected	N/A	N/A	N/A	N/A		
T-84-031	Joint compound	Area adjacent to men's restroom	None detected	N/A	N/A	N/A	N/A		
T-84-032	Baseboard and mastic, 3" high, black	Area adjacent to men's restroom	None detected	N/A	N/A	N/A	N/A		
224-033	Tank insulation	Basement	None detected	N/A	N/A	N/A	N/A		
224-034	Tank insulation	Basement	None detected	N/A	N/A	N/A	N/A		
224-035	Resilient floor tile and mastic, 9" x 9", red	Basement, room 4	15% Chrysotile	60	SF	Significantly damaged (nonfriable)	High		
224-036	Resilient floor tile and mastic, 9" x 9", red	Basement, room 4	15% Chrysotile	Ref. sample 035		Significantly damaged (nonfriable)	High		
224-037	Resilient floor tile and mastic, 9" x 9", red	Basement, room 4	15% Chrysotile (mastic-none detected)	Ref. sample 035		Significantly damaged (nonfriable)	High		

82 - 339

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
224-038 / 01-17-96	REMOVED	-	-	-	-	-	-	-	-
224-039 / 01-17-96	REMOVED	-	-	-	-	-	-	-	-
224-040 / 01-17-96	Debris (suspect TSI) --SOME REMOVED--	Basement, crawl space	30-40% Chrysotile	100	SF	Significantly damaged (friable)	High	3	Remove
224-041 / 01-17-96	Debris (suspect TSI)	Basement, crawl space	10-20% Amosite 35-40% Chrysotile	Various places throughout	N/A	Significantly damaged (friable)	High	3	Remove
224-042	Pipe joint insulation, 6" OD (elbow)	Basement, crawl space	None detected	N/A	N/A	N/A	N/A		
224-043	Pipe joint insulation, 4" OD (elbow)	Basement, crawl space	None detected	N/A	N/A	N/A	N/A		
224-044	Pipe joint insulation, 3" OD (elbow)	Basement, crawl space	None detected	N/A	N/A	N/A	N/A		
224-045	Pipe joint insulation, 4" OD (elbow)	Basement, crawl space	None detected	N/A	N/A	N/A	N/A		
224-046	Pipe joint insulation, 6" OD (elbow)	Basement, crawl space	None detected	N/A	N/A	N/A	N/A		
224-047 / 01-17-96	REMOVED	-	-	-	-	-	-	-	-
224-048 / 01-17-96	REMOVED	-	-	-	-	-	-	-	-

82-339

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
T-84-049	Pipe run insulation, 4" OD	Northeast side	None detected	N/A	N/A	N/A	N/A		
T-84-050	Pipe run insulation, 4" OD	Northeast side	None detected	N/A	N/A	N/A	N/A		
224-051	Ceiling panel, 2' x 4', type 1	Men's locker room	None detected	N/A	N/A	N/A	N/A		
224-052	Ceiling panel, 2' x 4', type 1	Men's locker room	None detected	N/A	N/A	N/A	N/A		
224-053	Plaster composite	Women's locker roo	None detected	N/A	N/A	N/A	N/A		
224-054	Plaster composite	Women's locker roo	None detected	N/A	N/A	N/A	N/A		
224-055	Ceiling panel, 2' x 4', type 2	Women's locker roo	None detected	N/A	N/A	N/A	N/A		
224-056	Ceiling panel, 2' x 4', type 2	Women's locker roo	None detected	N/A	N/A	N/A	N/A		
224-057	Baseboard and mastic, 3" high, crea	Women's locker roo	None detected	N/A	N/A	N/A	N/A		
224-058	Baseboard and mastic, 3" high, crea	Women's locker roo	None detected	N/A	N/A	N/A	N/A		
224-059	Resilient floor tile and mastic, 12" x 12", white with grey and blue stripes	Room 104	None detected	N/A	N/A	N/A	N/A		
224-060	Resilient floor tile and mastic, 12" x 12", white with grey and blue stripes	Room 104	None detected	N/A	N/A	N/A	N/A		
224-061	Resilient floor tile and mastic, 12" x 12", white with grey and blue stripes	Room 104	None detected	N/A	N/A	N/A	N/A		
224-062	Resilient floor tile and mastic, 9" x 9", white with red and black stripes	Room 105 restroom	5% Chrysotile	300	SF	Undamaged (nonfriable)	Low		

82-340

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
224-063	Resilient floor tile and mastic, 9" x 9", white with red and black stripes	Room 105 restroom	5% Chrysotile	Ref. sample 062	N/A	Undamaged (nonfriable)	Low		
224-064	Resilient floor tile and mastic, 9" x 9", white with red and black stripes	Room 105 restroom	2-7% Chrysotile (mastic-none detected)	Ref. sample 062	N/A	Undamaged (nonfriable)	Low		
224-065	Canvas material on parapet wall.	Roof, north	None detected	N/A	N/A	N/A	N/A		
224-066	Canvas material on parapet wall	Roof, northwest	None detected	N/A	N/A	N/A	N/A		
224-067	Roof mastic (thin material over metal flashing)	Roof, north	1% Chrysotile	Ref. sample 021	Undamaged (nonfriable)	Low			
224-068	Roof mastic (thin material over metal flashing)	Roof, northwest	None detected	N/A	N/A	N/A	N/A		
224-069	Cap sheet, rubber like, with canvas backing, black	Roof, northwest	None detected	N/A	N/A	N/A	N/A		
224-070	Cap sheet, rubber like, with canvas backing, black	Roof, south	None detected	N/A	N/A	N/A	N/A		
224-071	Cap sheet, rubber like, with canvas backing, black	Roof	None detected	N/A	N/A	N/A	N/A		
224-072	Tank insulation	Basement, tank #1	None detected	N/A	N/A	N/A	N/A		
224-073	Tank insulation	basement, tank #2	None detected	N/A	N/A	N/A	N/A		

82-341

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
224-074	Pipe run insulation, 4" OD	Basement, room 1	None detected	N/A	N/A	N/A	N/A		
224-075	Pipe joint insulation, 3"OD (elbow)	Basement, pipe space	None detected	N/A	N/A	N/A	N/A		

NOTES:

- 1) Ref. 224-007/008/012/014 to 016. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref 224-007 to 009/012/014 to 016/008/039/047/048. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transite piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 6) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 7) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/ or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.

22-072

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-GLAHS BUILDING 226
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN K. SPIVEY**

November 22, 2002

November 22, 2002
Contract No. V691P-6501 Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
Bldg. 218, Room 328
11301 Wilshire Boulevard
Los Angeles, CA 90073

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
BUILDING NO 226, VA-GLAHS WEST LA
11301 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073**

Environmental Engineering, Inc. on behalf of the United States Department of Veterans Affairs, reinspected the asbestos containing materials (ACM) in Building 226 of the USVA-Greater Los Angeles Healthcare System (GLAHS) in Los Angeles, California. Mr. James Spencer, Mr. Roman Akeh and Dr. Zainul Abedin of Environmental Engineering, Inc. performed the asbestos inspection at the Site on November 11, 2002. Mr. James Spencer (CAC#92-0368) and Mr. Roman Akeh (CAC #93-1176) are California asbestos consultants and Dr. Zainul Abedin is an asbestos building inspector and management planner and an accredited Lead Inspector, Risk Assessor and a Lead Supervisor (I/S-1151) in the State of California.

Environmental Engineering Inc. performed the survey of the site structures to identify, assess, and sample suspect ACM at the Site, and to recommend, if necessary, appropriate response actions upon the findings of the survey. The survey consisted of a walk-through of the accessible areas, visual observation for the presence of potential ACM and sampling of presumed asbestos containing materials, and conditional reassessment of the known ACMs. Flooring, ceiling, carpet mastic, plaster composite, exterior stucco plaster, joint compounds, particle board, thermal system insulation (TSI) on pipes, elbows, joints, ducts and debris were formerly sampled and tested.

Friable asbestos was found in the following materials throughout the building:

- 3"Φ Pipe & Fitting Insulations
- 4"Φ Pipe & Fitting Insulations
- 5"Φ Pipe & Fitting Insulations
- 6"Φ Pipe & Fitting Insulations
- Air Handler Duct Insulations
- TSI/Duct Insulation Debris

Non-friable asbestos was found in the following materials throughout the building:

- 6"X24" Resilient Floor Tile & Mastic

Some of these known friable asbestos containing materials including pipe, joints, fittings, air handler insulations and debris were removed from the basement mechanical room and crawl space in Building 226 since 1996. These abated materials are summarized in Table 1.

The conditions of the remaining asbestos-containing materials were visually observed and re-assessed for management response actions. Based on the findings of this reinspection, undamaged friable pipe & fitting insulations remained in basement mechanical room crawl space and dressing room wall and ceiling cavity that require regular inspection and maintenance for regulatory compliance. Non-friable resilient floor tiles & mastic remained intact in the balcony that require regular inspection and maintenance for regulatory compliance. The results of this survey are summarized in Table 2 with recommended management response actions.

Environmental Engineering, Inc. conducted the asbestos inspection in accessible areas of the Site. Other conditions may exist in inaccessible areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. This survey was performed in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature. If you have any questions concerning the methodology or the results of this survey, please contact us at (818) 547-1330.

Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,



Zainul Abedin, PhD, REA
Project Manager

Table 1 : Asbestos Abatement in Building 226

Date	Asbestos Containing Materials	Locations/Rooms	Quantity
08/26/02	Air Handler Insulations	Basement Mechanical	150 ft ²
08/26/02	Pipe Insulations & Debris	Basement Mechanical	195 ft ²
Others	TSI/Debris	Basement Mechanical Room	

**Table 2 : BUILDING 226, VA-GLAHS
ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 10/25/02

Materials	Location/Rooms	ACM Condition	Friability	Potential Exposure	Priority	Response
3" @ Pipe & Fitting Insulations	Dressing Room, Mech. Rm. Crawl Space	Undamaged	Yes	Low	6	Maintain
4" @ Pipe & Fitting Insulations	Mechanical Room Crawl Space	Undamaged	Yes	Low	6	Maintain
5" @ Pipe & Fitting Insulations	Mechanical Room Crawl Space	Undamaged	Yes	Low	6	Maintain
6" @ Pipe & Fitting Insulations	Mechanical Room Crawl Space	Undamaged	Yes	Low	6	Maintain
Duct Insulations on Air Handler	Mechanical Room	Damaged	Yes	Low	6	Maintain
8"x24" Floor Tile & Mastic	Balcony	Undamaged	No	Low	7	Maintain

- Notes :
1. TSI & debris removed and cleaned from the basement Mechanical Room and Crawl Spaces
 2. TSI in Dressing Room were concealed in the walls and ceiling cavity.

82-347

Sampling Records

BUILDING 226									
Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
226-001	Ceiling tile, 12" x 12", type 1	Auditorium	None detected	N/A	N/A	N/A	N/A		N/A
226-002	Ceiling tile, 12" x 12", type 1	Auditorium	None detected	N/A	N/A	N/A	N/A		N/A
226-003	Ceiling tile, 12" x 12", type 1	Auditorium	None detected	N/A	N/A	N/A	N/A		N/A
226-004	Particle board	Auditorium	None detected	N/A	N/A	N/A	N/A		N/A
226-005	Particle board	Auditorium	None detected	N/A	N/A	N/A	N/A		N/A
226-006	Resilient sheet flooring, grey	Women's restroom	None detected	N/A	N/A	N/A	N/A		N/A
226-007	Resilient sheet flooring, grey	Women's restroom	None detected	N/A	N/A	N/A	N/A		N/A
226-008	Plaster composite	Women's restroom	None detected	N/A	N/A	N/A	N/A		N/A
226-009	Plaster composite	Men's restroom	None detected	N/A	N/A	N/A	N/A		N/A
226-010	Resilient floor tile and mastic, 6" x 24", beige and cream	Balcony	10% Chrysotile	180	SF	Undamaged (nonfriable)	Low		
226-011	Resilient floor tile and mastic, 6" x 24", beige and cream	Balcony	10-20% Chrysotile	Ref sample 010		Undamaged (nonfriable)	Low		
226-012	Resilient floor tile and mastic, 12" x 12", beige	Balcony	None detected	N/A	N/A	N/A	N/A		N/A
226-013	Resilient floor tile and mastic, 12" x 12", beige	Balcony	None detected	N/A	N/A	N/A	N/A		N/A

82-348

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
226-014	Carpet mastic	Auditorium	10% Chrysotile	2,000	SF	Undamaged (nonfriable)	Low		
226-015	Carpet mastic	Auditorium	5-10% Chrysotile	Ref. sample 014		Undamaged (nonfriable)	Low		
226-016	Plaster composite	Closet behind men's room	None detected	N/A	N/A	N/A	N/A		
226-017	Joint compound	Balcony	None detected	N/A	N/A	N/A	N/A		
226-018	Joint compound	Balcony	None detected	N/A	N/A	N/A	N/A		
226-019	Window curtains	Stairwell	None detected	N/A	N/A	N/A	N/A		
226-020	Window curtains	Stairwell	None detected	N/A	N/A	N/A	N/A		
226-021/ 01-16-96	Pipe run insulation, 3" OD (in wall penetration only)	Dressing room in wall	30% Amosite 30% Chrysotile	1	LF	Damaged (friable)	High	3	Cap end
226-022/ 01-16-96	Pipe run insulation, 3" OD (in wall penetration only)	Dressing room in wall	30-40% Amosite 15-30% Chrysotile	1	LF	Damaged (friable)	High	3	Cap end
226-023/ 01-16-96	Duct insulation (on outside of air handler)	Mechanical room	40% Amosite	1,200	SF	Damaged (friable)	Low	4	Patch
226-024/ 01-16-96	Duct insulation (on outside of air handler)	Mechanical room	40% Amosite	Ref. sample 023		Damaged (friable)	Low	4	Patch
226-025/ 01-16-96	Duct insulation (on outside of air handler)	Mechanical room	40-50% Amosite 20-30% Chrysotile	Ref. sample 023		Damaged (friable)	Low	4	Patch
226-026/ 01-16-96	Pipe run insulation, 6" OD	Mechanical room, crawl space	40% Amosite 20% Chrysotile	125	LF	Undamaged (friable)	Low	7	Maintain

82-349

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
226-027/ 01-16-96	Pipe run insulation, 6" OD	Mechanical room, crawl space	20% Amosite 20% Chrysotile	125	LF	Undamaged (friable)	Low	7	Maintain
226-028	Pipe run insulation, 3" OD	Mechanical room, crawl space	None detected	N/A	N/A	N/A	N/A		
226-029/ 01-16-96	Pipe run insulation, 4" OD	Mechanical room, crawl space	5% Chrysotile	110	LF	Undamaged (friable)	Low	7	Maintain
226-030/ 01-16-96	Pipe run insulation, 5" OD	Mechanical room, crawl space	20% Amosite 40% Chrysotile	80	LF	Undamaged (friable)	Low	7	Maintain
226-031/ 01-16-96	Pipe joint insulation, 4" OD (elbow)	Mechanical room, crawl space	40-50% Amosite 25-30% Chrysotile	1	EA	Undamaged (friable)	Low	7	Maintain
226-032/ 01-16-96	Pipe joint insulation, 3" OD (elbow)	Mechanical room, crawl space	40% Amosite 20% Chrysotile	1	EA	Undamaged (friable)	Low	7	Maintain
226-033/ 01-16-96	Pipe run insulation, 6" OD	Mechanical room, crawl space	40-50% Amosite 25-35% Chrysotile	Ref. sample 027		Damaged (friable)	High	4	Patch
226-034/ 01-16-96	Pipe run insulation, 6" OD	Mechanical room, crawl space	40-45% Amosite 25-30% Chrysotile	Ref. sample 026		Damaged (friable)	High	4	Patch
226-035/ 01-16-96	Pipe run insulation, 3" OD	Mechanical room, crawl space	50-65% Amosite 15-25% Chrysotile	150	LF	Damaged (friable)	High	4	Patch
226-036/ 01-16-96	Pipe run insulation, 4" OD	Mechanical room, crawl space	20-35% Amosite 15-20% Chrysotile	Ref. sample 035		Damaged (friable)	High	4	Patch
226-037	Exterior stucco	North side	None detected	N/A	N/A	N/A	N/A		

82-350

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
226-038	VOID	VOID	VOID	VOID		VOID	VOID		
226-039	Exterior stucco	West side	None detected	N/A	N/A	N/A	N/A		
226-040	VOID	VOID	VOID	VOID		VOID	VOID		
226-041 / 01-16-96	Debris (suspect TSI)	Mechanical room, crawl space	40% Amosite 10% Chrysotile	10,200	SF	Significantly damaged (friable)	High		
226-042 / 01-16-96	Debris (suspect TSI)	Mechanical room, crawl space	40% Amosite 10% Chrysotile	Ref. sample 041		Significantly damaged (friable)	High		

82-351

NOTES:

- 1) Ref. 226-021/022/033 to 036. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref. 226-021/022/026/027/029 to 036. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 6) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 7) The roofing system of this building consists of clay tiles with roofing felt below the tiles. Due to the inaccessibility of this roof, no roofing felt samples were taken. Based on the sample results of similar roofing systems at the VA Hospital Complex, there is the possibility that the roofing felt material may be asbestos-containing. Sampling of the roofing system should be completed prior to renovation of the roofing system.
- 8) Ref. 226-038/040. These two samples have been misplaced by the VA Asbestos Lab. in Saint Louis. Therefore, these two samples have been voided.

c. Sampling Records

BUILDING 236

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
236-001	Resilient floor tile and mastic, 9"x9", light brown w/dark brown streaks	Investigator's office	15% Chrysotile (mastic-none detected)	490	SF	Undamaged (nonfriable)	Low		
236-002	Carpet mastic	Investigator's office	None detected	N/A	N/A	N/A	N/A		
236-003	Resilient floor tile and mastic, 9"x9", light brown w/dark brown streaks	Investigator's office	15% Chrysotile (mastic-none detected)	Ref. sample	001	Undamaged (nonfriable)	Low		
236-004	Carpet mastic	Investigator's office	None detected	N/A	N/A	N/A	N/A		
236-005	Resilient floor tile and mastic, 9"x9", light brown w/dark brown streaks	Hallway by investigator's office	15-20% Chrysotile (mastic->1% Asbestos)	Ref. sample	001	Undamaged (nonfriable)	Low		
236-006	Resilient floor tile and mastic 9"x9", dark red	Hallway by investigator's office	10-15% Chrysotile (mastic->1% Asbestos)	Ref. sample	001	Undamaged (nonfriable)	Low		
236-007	Ceiling panel, 12"x12"	Storage room in investigator's office	None detected	N/A	N/A	N/A	N/A		
236-008	Ceiling panel, 12"x12"	Storage room in investigator's office	None detected	N/A	N/A	N/A	N/A		
236-009	Wall tile mastic	Storage room in investigator's office	5% Chrysotile (mastic-none detected)	260	SF	Undamaged (nonfriable)	Low		

82-98

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
236-010	Wall tile mastic	Storage room in investigator's office	None detected	N/A	N/A	N/A	N/A		
236-011	Ceiling panel, 2'x4', type 1	File room	None detected	N/A	N/A	N/A	N/A		
236-012	Baseboard and mastic, 5' high, dark brown	File room	None detected	N/A	N/A	N/A	N/A		
236-013	Resilient floor tile and mastic, 12"x12", white w/ copper streaks	Main office	None detected	N/A	N/A	N/A	N/A		
236-014	Resilient floor tile and mastic, 12"x12", white w/ copper streaks	Main office	None detected	N/A	N/A	N/A	N/A		
236-015	Ceiling tile, 12"x12", type 2	Lobby by security Chief's office	None detected	N/A	N/A	N/A	N/A		
236-016	Ceiling panel, 2'x4', type 3	Lobby by security Chief's office	None detected	N/A	N/A	N/A	N/A		
236-017	Plaster ceiling composite	Lobby by security Chief's office	None detected	N/A	N/A	N/A	N/A		
236-018	Baseboard and mastic, 5' high, dark brown	Lobby by security Chief's office	None detected	N/A	N/A	N/A	N/A		
236-019	Ceiling panel, 2'x4', type 4	Booking room	None detected	N/A	N/A	N/A	N/A		
236-020	Ceiling panel, 2'x4', type 4	Clerks room	None detected	N/A	N/A	N/A	N/A		
236-021 / 01-11-96	Pipe joint insulation, 4" OD (fitting)	Pipe chase by office #1	20% Amosite 20% Chrysotile	6	EA	Damaged (friable)	High	2	Patch

82-2854

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
236-022/ 01-11-96	Pipe joint insulation, 3" OD (elbow)	Pipe chase by office #1	15-25% Amosite 20-25% Chrysotile	Ref. sample 021		Damaged (friable)	High	2	Patch
236-023/ 01-11-96	Pipe joint insulation, 3" OD (at pipe end)	Pipe chase by office #1	20% Amosite 20% Chrysotile	35	LF	Damaged (friable)	High	2	Patch
236-024	Carpet mastic	Detectives room	None detected	N/A	N/A	N/A	N/A		
236-025	Ceiling panel, 2'x4', type 3	Detectives room	None detected	N/A	N/A	N/A	N/A		
236-026	Baseboard, 5" high, tan	Evidence room	None detected	N/A	N/A	N/A	N/A		
236-027	Baseboard, 5" high, tan	Evidence room	None detected	N/A	N/A	N/A	N/A		
236-028	Joint compound	Evidence room	None detected	N/A	N/A	N/A	N/A		
236-029	Ceiling panel, 2'x4', type 4	Locker room	None detected	N/A	N/A	N/A	N/A		
236-030	Pipe run insulation, 3" OD	Exterior, north side, near boiler	None detected	N/A	N/A	N/A	N/A		
236-031	Pipe run insulation, 5" OD	Exterior, north side, near boiler	None detected	N/A	N/A	N/A	N/A		
236-032	Roof composite	Roof	None detected	N/A	N/A	N/A	N/A		
236-033	Roof composite	Roof	None detected	N/A	N/A	N/A	N/A		
236-034	Roofing mastic (at flashing)	Roof	5% Chrysotile	700	LF	Undamaged (nonfriable)	Low		
236-035	Roofing mastic (at flashing)	Roof	10% Chrysotile	Ref. sample 034		Undamaged (nonfriable)	Low		

2-355

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
236-036	Pipe run insulation, 3" OD	Coffee Room, in pipe chase	None detected	N/A	N/A	N/A	N/A		
236-037	Asbestos cement (transite) panel at radiator	Detective's room	30% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
236-038	Asbestos cement (transite) panel at radiator	Training room	60% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
236-039/ 01-11-96	Debris (suspect TSI)	Basement, Crawl space	30% Amosite 30% Chrysotile	300	SF	Significantly damaged (friable)	High	3	Remove
236-040/ 01-11-96	Debris (suspect TSI)	Basement, Crawl space	20% Amosite 20% Chrysotile	Ref. sample 039		Significantly damaged (friable)	High	3	Remove

82 - 356

NOTES:

- 1) Ref. 236-021 to 023. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref 236-021 to 023. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transite piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 6) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 7) In some rooms several different types of resilient floor tile may be present. In instances where the asbestos-containing RFT comprises the majority of the floor area, all floor tiles have been combined together when calculating the total square footage of materials to be abated. This is as follows:
9" x 9" light brown with dark brown streaks includes all of 9" x 9" dark red (border tile) RFT located in the investigators office and storage room.
- 8) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/ or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.
- 9) Ref 236-037/038. Only two samples of asbestos cement (transite) sheet material was sampled. It is difficult to accurately estimate the number of radiators which have asbestos-containing transite sheet material without sampling each individual radiator in question. In the "ACM Quantity" column, we have included a total quantity of radiators containing this transite sheet material in the area sampled. In Section b. Material and Cost Data, an estimate of the total number of radiators located throughout the building is provided.
- 10) Ref. 236-039/040. ACM debris (suspect TSI). Two samples of debris were taken in the west crawl space in the basement. It is assumed that debris is present in the entire crawl space. The quantities listed in the "ACM Quantity" column represent the amount of ACM debris present in the immediate sampling area. In section b. Material and Cost Data, an estimate of the total amount of ACM debris present throughout crawl space has been included.

82-357

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-GLAHS BUILDING 236
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN K. SPIVEY**

November 22, 2002

November 22, 2002

Contract No. V691P-6501

Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
Bldg. 218, Room 328
11301 Wilshire Boulevard
Los Angeles, CA 90073

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
BUILDING NO 236, VA-GLAHS WEST LA
11301 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073**

Environmental Engineering, Inc. on behalf of the United States Department of Veterans Affairs, reinspected the asbestos containing materials (ACM) in Building 236 of the USVA-Greater Los Angeles Healthcare System (GLAHS) in Los Angeles, California. Mr. James Spencer, Mr. Roman Akeh and Dr. Zainul Abedin of Environmental Engineering, Inc. performed the asbestos inspection at the Site on November 12, 2002. Mr. James Spencer (CAC#92-0368) and Mr. Roman Akeh (CAC #93-1176) are California asbestos consultants and Dr. Zainul Abedin is an asbestos building inspector and management planner and an accredited Lead Inspector, Risk Assessor and a Lead Supervisor (I/S-1151) in the State of California.

Environmental Engineering Inc. performed the survey of the site structures to identify, assess, and sample suspect ACM at the Site, and to recommend, if necessary, appropriate response actions upon the findings of the survey. The survey consisted of a walk-through of the accessible areas, visual observation for the presence of potential ACM and sampling of presumed asbestos containing materials, and conditional reassessment of the known ACMs. Flooring, ceiling, carpet mastic, baseboard, plaster composite, transite panels, thermal system insulation (TSI) on pipes, elbows, joints and debris, roofing composite & mastic were formerly sampled and tested.

Friable asbestos was found in the following materials throughout the building:

- 3"Φ Pipe & Fitting Insulations in Office # 1 Pipe Chase
- 4"Φ Fitting Insulations Office # 1 Pipe Chase
- TSI/Duct Insulation Debris in basement crawl space

Bldg. 236, VA-GLAHS

Page 2

Non-friable asbestos was found in the following materials throughout the building:

- 9"X9" Resilient Floor Tile & Mastic in Investigator's Office & Hall
- Roofing Mastic at roof flashing
- Transite panels in Detective & Training Offices

Some of these known friable asbestos containing materials including pipe, joints, fittings insulations and debris were removed from the basement crawl space in Building 236 since 1996. Non-friable 9"x9" floor tiles and mastic were also replaced by 12"x12" floor tiles in Investigator's Office & Hall.

The conditions of the remaining asbestos-containing materials were visually observed and re-assessed for management response actions. Based on the findings of this reinspection, undamaged friable pipe & fitting insulations remained intact in office #1 pipe chase that require regular inspection and maintenance for regulatory compliance. Non-friable transite panels and roof mastic remained intact that require regular inspection and maintenance for regulatory compliance.

The results of this survey are summarized in Table 1 with recommended management response actions.

Environmental Engineering, Inc. conducted the asbestos inspection in accessible areas of the Site. Other conditions may exist in inaccessible areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. This survey was performed in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature. If you have any questions concerning the methodology or the results of this survey, please contact us at (818) 547-1330.

Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,



Zainul Abedin, PhD, REA
Project Manager

**Table 2 : BUILDING 236, VA-GLAHS
ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 11/12/02

Materials	Location/Rooms	ACM Condition	Friability	Potential Exposure	Priority	Response
3" Ø Pipe & Fitting Insulations	Office # 1 Pipe Chase	Undamaged	Yes	Low	6	Maintain
4" Ø Pipe & Fitting Insulations	Office # 1 Pipe Chase	Undamaged	Yes	Low	6	Maintain
Roofing Mastic	Roof Flashing	Undamaged	No	Low	7	Maintain
Transite Panels	Detective & Training Offices	Undamaged	No	Low	7	Maintain

Notes : 1. TSI & debris removed and cleaned from the basement Crawl Spaces
2. 9'x8" floor tiles ; Replaced in Investigator's office & hall

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-GLAHS BUILDING 236
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN K. SPIVEY**

November 22, 2002

November 22, 2002
Contract No. V691P-6501 Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
Bldg. 218, Room 328
11301 Wilshire Boulevard
Los Angeles, CA 90073

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
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11301 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073**

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- 4"Φ Fitting Insulations Office # 1 Pipe Chase
- TSI/Duct Insulation Debris in basement crawl space

Bldg. 236, VA-GLAHS

Page 2

Non-friable asbestos was found in the following materials throughout the building:

- 9"x9" Resilient Floor Tile & Mastic in Investigator's Office & Hall
- Roofing Mastic at roof flashing
- Transite panels in Detective & Training Offices

Some of these known friable asbestos containing materials including pipe, joints, fittings insulations and debris were removed from the basement crawl space in Building 236 since 1996. Non-friable 9"x9" floor tiles and mastic were also replaced by 12"x12" floor tiles in Investigator's Office & Hall.

The conditions of the remaining asbestos-containing materials were visually observed and re-assessed for management response actions. Based on the findings of this reinspection, undamaged friable pipe & fitting insulations remained intact in office #1 pipe chase that require regular inspection and maintenance for regulatory compliance. Non-friable transite panels and roof mastic remained intact that require regular inspection and maintenance for regulatory compliance.

The results of this survey are summarized in Table 1 with recommended management response actions.

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Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,



Zainul Abedin, PhD, REA
Project Manager

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ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 11/12/02

Materials	Location/Rooms	ACM Condition	Friability	Potential Exposure	Priority	Response
3" Ø Pipe & Fitting Insulations	Office # 1 Pipe Chase	Undamaged	Yes	Low	6	Maintain
4" Ø Pipe & Fitting Insulations	Office # 1 Pipe Chase	Undamaged	Yes	Low	6	Maintain
Roofing Mastic	Roof Flashing	Undamaged	No	Low	7	Maintain
Transite Panels	Detective & Training Offices	Undamaged	No	Low	7	Maintain

Notes : 1. TSI & debris removed and cleaned from the basement Crawl Spaces
2. 9"x9" floor tiles : Replaced in Investigator's office & hall

c. Sampling Records

BUILDING 256

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
256-001	Baseboard, 5" high, reddish-brown	Room 114	None detected	N/A	N/A	N/A	N/A		
256-002	Ceiling panel, 2' x 4', type 1	Room 114	None detected	N/A	N/A	N/A	N/A		
256-003	Resilient floor tile and mastic, 12" x 12", tan with black and red streaks	Hallway by room 105	10% Chrysotile	18,380	SF	Undamaged (nonfriable)	Low		
256-004	Resilient floor tile and mastic, 12" x 12", tan w/ black and red streaks	First floor, by elevator	None detected	N/A	N/A	N/A	N/A		
256-005	Ceiling panel, 2' x 4', type 1	Room 114A	None detected	N/A	N/A	N/A	N/A		
256-006	Plaster composite	Room 114 (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
256-007	Baseboard, 5" high, dark brown	Room 108A	None detected	N/A	N/A	N/A	N/A		
256-008	Resilient floor tile and mastic, 12" x 12", white with olive and tan streaks	Room 108	2% Chrysotile	200	SF	Undamaged (nonfriable)	Low		
256-009	Baseboard, 5" high, tan	Room 108	None detected	N/A	N/A	N/A	N/A		
256-010	Joint compound	Room 108	None detected	N/A	N/A	N/A	N/A		
256-011	Pipe run insulation, 4" OD	Pipe chase, in room 105	None detected	N/A	N/A	N/A	N/A		
256-012	Sink undercoat	Room 104	5% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
256-013	Pipe run insulation, 4" OD	Pipe chase, in room 105	None detected	N/A	N/A	N/A	N/A		

82-366

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
256-014/ 11-28-95	Duct insulation (aircell)	Pipe chase, in room 105	60% Chrysotile	12	LF	Undamaged (friable)	Low	7	Maintain
256-015	Resilient floor tile and mastic, 12" x 12", yellow with black and tan blotches	Hallway by room 126	2% Chrysotile	Ref. sample 003	003	Undamaged (nonfriable)	Low		
256-016	Ceiling panel, 2' x 4', type 2	Room 121	None detected	N/A	N/A	N/A	N/A		
256-017	Carpet mastic	Hallway by room 122	None detected	N/A	N/A	N/A	N/A		
256-018	Resilient floor tile and mastic, 12" x 12", tan with black and red streaks	Room 122, (under carpet)	2% Chrysotile	Ref. sample 003	003	Undamaged (nonfriable)	Low		
256-019	Pipe joint insulation, 4" OD (elbow)	Room 121 (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
256-020/ 11-28-95	Pipe joint insulation, 4" OD (elbow)	Room 121 (ceiling cavity)	5-10% Chrysotile	2	EA	Undamaged (friable)	Low	7	Maintain
256-021	Baseboard, 3" high, brown	Hallway by room 126	None detected	N/A	N/A	N/A	N/A		
256-022	Baseboard, 3" high, cream	Hallway by room 126	None detected	N/A	N/A	N/A	N/A		
256-023	Resilient floor tile and mastic, 12" x 12", white with tan streaks	Room 126	None detected	N/A	N/A	N/A	N/A		
256-024	Resilient sheet flooring and mastic, brown	Hallway by room 142	None detected	N/A	N/A	N/A	N/A		
256-025	Ceiling panel, 2' x 4', type 2	Room 142	None detected	N/A	N/A	N/A	N/A		
256-026/ 11-28-95	Pipe joint insulation, 4" OD (elbow)	Room 128 (ceiling cavity)	5-12% Chrysotile	1	EA	Undamaged (friable)	Low	7	Maintain
256-027/ 11-28-95	Pipe joint insulation, 3" OD (elbow)	Room 128 (ceiling cavity)	10% Chrysotile	1	EA	Undamaged (friable)	Low	7	Maintain

82-367

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
256-028	Resilient floor tile and mastic, 12" x 12", tan with dark brown and white streaks	Hallway by room 132	None detected	N/A	N/A	N/A	N/A		
256-029	Resilient floor tile and mastic, 12" x 12", white with olive streaks	Room 133	None detected	N/A	N/A	N/A	N/A		
256-030	Ceiling panel, 2' x 4', type 3	Hallway by room 133	None detected	N/A	N/A	N/A	N/A		
256-031	Ceiling panel, 2' x 4', type 1	Room 211	None detected	N/A	N/A	N/A	N/A		
256-032	Resilient floor tile and mastic, 12" x 12", white with tan streaks	Room 211A	None detected	N/A	N/A	N/A	N/A		
256-033	Resilient floor tile and mastic, 12" x 12", white with tan streaks	Room 211A	None detected	N/A	N/A	N/A	N/A		
256-034	Resilient floor tile and mastic, 12" x 12", white with grey	Room 211A (under sample 32)	5% Chrysotile	2,200	SP	Undamaged (nonfriable)	Low		
256-035	Resilient floor tile and mastic, 12" x 12", white with grey	Room 211A (under sample 33)	None detected	N/A	N/A	N/A	N/A		
256-036	Baseboard and mastic, 5" high, dark brown	Room 211A	None detected	N/A	N/A	N/A	N/A		
256-037	Baseboard and mastic, 3" high, brown	Room 211A	None detected	N/A	N/A	N/A	N/A		
256-038	Joint compound	Hallway by room 210	None detected	N/A	N/A	N/A	N/A		
256-039	Resilient floor tile and mastic, 12" x 12", white with olive/tan streaks	Room 214A	None detected	N/A	N/A	N/A	N/A		
256-040	Resilient floor tile and mastic, 12" x 12", white with olive/tan streaks	Room 214A	None detected	N/A	N/A	N/A	N/A		

256-039

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
256-041	Sink undercoat	Room 214A	5% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
256-042	Baseboard and mastic, 3" high, crea	Room 214A	None detected	N/A	N/A	N/A	N/A		
256-043	Resilient sheet flooring and mastic, light brown	Room 214	None detected	N/A	N/A	N/A	N/A		
256-044	Resilient sheet flooring and mastic, light brown	Room 214	None detected	N/A	N/A	N/A	N/A		
256-045	Resilient floor tile and mastic, 12" x 12", multicolor	Hallway by room 219	2% Chrysotile (mastic->1% asbestos)	300	SF	Undamaged (nonfriable)	Low		
256-046	Resilient floor tile and mastic, 12" x 12", multicolor	Hallway by room 219	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 45		Undamaged (friable)	Low		
256-047	Asbestos cement (transite) panel at wall radiator	Room 214	25-40% Chrysotile	2	EA	Undamaged (nonfriable)	Low		
256-048	Resilient sheet flooring and mastic, light brown	Room 223	None detected	N/A	N/A	N/A	N/A		
256-049	Resilient floor tile and mastic, 12" x 12", white with olive, grey, and brown blotches	Hallway by room 223	None detected	N/A	N/A	N/A	N/A		
256-050	Resilient floor tile and mastic, 12" x 12", white with olive, grey, and brown blotches	Hallway by room 223	None detected	N/A	N/A	N/A	N/A		
256-051	Plaster composite	Hallway by room 222	None detected	N/A	N/A	N/A	N/A		
256-052	Baseboard and mastic, 3" high, crea	Hallway by room 201	None detected	N/A	N/A	N/A	N/A		
256-053/ 11-27-95	REMOVED								

82-369

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
256-054	Pipe run insulation, 3" OD	Pipe chase adjacent to room 227	None detected	N/A	N/A	N/A	N/A		
256-055 / 11-27-95	REMOVED	-	-	-	-	-	-	-	-
256-056	Pipe run insulation, 3" OD	Pipe chase adjacent to room 227	None detected	N/A	N/A	N/A	N/A		
256-057 / 11-27-95	REMOVED	-	-	-	-	-	-	-	-
256-058 / 11-27-95	REMOVED	-	-	-	-	-	-	-	-
256-059	Pipe run insulation, 3" OD	Pipe chase adjacent to room 227	None detected	N/A	N/A	N/A	N/A		
256-060 / 11-27-95	REMOVED	-	-	-	-	-	-	-	-
256-061 / 11-27-95	REMOVED	-	-	-	-	-	-	-	-
256-062	Pipe run insulation, 3" OD	Pipe chase adjacent to room 227	None detected	N/A	N/A	N/A	N/A		
256-063	Ceiling panel, 2' x 4', type 3	Hallway by room 239	None detected	N/A	N/A	N/A	N/A		
256-064	VOID	VOID	VOID	VOID	VOID	VOID	VOID		
256-065 / 11-27-95	Duct insulation (aircell)	Attic	80% Chrysotile	700	SF	Slightly damaged (friable)	Low	6	Patch
256-066 / 11-27-95	Duct insulation (aircell)	Attic	67-87% Chrysotile	Ref. Sample 065		Slightly damaged (friable)	Low	6	Patch

2 370

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
256-067 / 11-27-95	Duct insulation (aircell)	Attic	72-87% Chrysotile	Ref. Sample 065		Slightly damaged (friable)	Low	6	Patch
256-068 / 11-27-95	Duct insulation (aircell)	Attic, mechanical room	80% Chrysotile	Ref. Sample 065		Slightly damaged (friable)	Low	6	Patch
256-069 / 11-27-95	Duct insulation (aircell)	Attic, mechanical room	65-75% Chrysotile	Ref. Sample 065		Slightly damaged (friable)	Low	6	Patch
256-070	Pipe joint insulation, 5" OD, (elbow)	Basement, stairwell	None detected	N/A	N/A	N/A	N/A		
256-071	Baseboard and mastic, 3" high, black	Room 8D	None detected	N/A	N/A	N/A	N/A		
256-072	Baseboard and mastic, 5" high, black	Hallway by room 8E	None detected	N/A	N/A	N/A	N/A		
256-073	Flexible connector/vibration damper	Attic, mechanical room	None detected	N/A	N/A	N/A	N/A		
256-074	Flexible connector/vibration damper	Attic, mechanical room	None detected	N/A	N/A	N/A	N/A		
256-075	Flexible connector/vibration damper	Attic, mechanical room	None detected	N/A	N/A	N/A	N/A		
256-076	Flexible connector/vibration damper	Attic, mechanical room	None detected	N/A	N/A	N/A	N/A		
256-077	Baseboard and mastic, 5" high, grey	Room 8A	None detected	N/A	N/A	N/A	N/A		
256-078	Baseboard and mastic, 5" high, grey	Room 8A	None detected	N/A	N/A	N/A	N/A		
256-079	Resilient floor tile and mastic, 9" x 9", red with black	Room 8D (under carpet)	10% Chrysotile	270	SF	Undamaged (nonfriable)	Low		
256-080	Resilient floor tile and mastic, 9" x 9", red with black	Room 8E (under carpet)	10-15% Chrysotile (mastic->1% asbestos)	Ref. sample 079		Undamaged (nonfriable)	Low		
256-081	Resilient floor tile and mastic, 12" x 12", white with grey streaks	Hallway by room 7	None detected	N/A	N/A	N/A	N/A		
256-082	Pipe run insulation, 4" OD	Hallway by room 8A (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		

82371

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
256-083	Carpet mastic	Room 8A	None detected	N/A	N/A	N/A	N/A		
256-084	Resilient floor tile and mastic, 12" x 12", multicolor	Room 7	None detected	N/A	N/A	N/A	N/A		
256-085	Baseboard, 5" high, tan	Room 7	None detected	N/A	N/A	N/A	N/A		
256-086	Baseboard, 5" high, tan	Room 7	None detected	N/A	N/A	N/A	N/A		
256-087	Pipe joint insulation, 4" OD (elbow)	Hallway by room 8A (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
256-088	Pipe run insulation, 5" OD	Hallway by room 5	None detected	N/A	N/A	N/A	N/A		
256-089/ 11-28-95	Pipe joint insulation, 3" OD (elbow)	Room 5	10% Amosite	1	EA	Undamaged (friable)	Moderate	7	Maintain
256-090/ 11-28-95	REMOVED	-	-	-	-	-	-	-	-
256-091	Pipe run insulation, 3" OD	Room 5	None detected	N/A	N/A	N/A	N/A		
256-092/ 11-28-95	REMOVED	-	-	-	-	-	-	-	-
256-093/ 11-28-95	Pipe run insulation, 3" OD	Room 5	60% Chrysotile	2	LF	Damaged (friable)	High	2	Cap end & patch
256-094/ 11-28-95	REMOVED	-	-	-	-	-	-	-	-
256-095/ 11-28-95	Pipe run insulation, 3" OD	Room 5	5% Amosite	10	LF	Damaged (friable)	High	6	Patch
256-096/ 11-28-95	Pipe joint insulation, 4" OD (elbow)	Room 5	20-25% Chrysotile	6	EA	Undamaged (friable)	Moderate	7	Maintain
256-097/ 11-28-95	Pipe joint insulation, 4" OD (elbow)	Room 5	20% Amosite 10% Chrysotile	2	EA	Slightly damaged	Moderate	5	Patch \

82-872

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability (friable)	Potential Exposure	Priority	Response
256-098 / 11-28-95	Pipe run insulation, 4" OD	Room 5	60% Chrysotile	40	LF	Damaged (friable)	Moderate	2	Patch
256-099	Pipe joint insulation, 5" OD, (elbow)	Room 5	None detected	N/A	N/A	N/A	N/A		
256-100	Pipe joint insulation, 4" OD, (elbow)	Room 5	None detected	N/A	N/A	N/A	N/A		
256-101	Pipe joint insulation, 5" OD, (elbow)	Room 5	None detected	N/A	N/A	N/A	N/A		
256-102 / 11-28-95	Pipe joint insulation, 4" OD (elbow)	Room 5	15-25% Chrysotile	4	EA	Slightly damaged (friable)	Low	5	Patch
256-103 / 11-28-95	Pipe run insulation, 4" OD	Room 5	67-82% Chrysotile	Ref. sample 098		Significantly damaged (friable)	High	2	Cap ends & Patch
256-104 / 11-28-95	REMOVED	-	-	-	-	-	-	-	-
256-105 / 11-28-95	REMOVED	-	-	-	-	-	-	-	-
256-106 / 11-28-95	Pipe run insulation, 4" OD	Room 5	55-80% Chrysotile	Ref. sample 098		Significantly damaged (friable)	High	2	Cap ends & Patch
256-107 / 11-28-95	REMOVED	-	-	-	-	-	-	-	-
256-108 / 11-28-95	REMOVED	-	-	-	-	-	-	-	-
256-109 / 11-28-95	REMOVED	-	-	-	-	-	-	-	-
256-110	Baseboard, 3" high, brown	Room 2A	None detected	N/A	N/A	N/A	N/A		

82
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4
28

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	ACM Condition and Friability	Potential Exposure	Priority	Response
256-111	Resilient floor tile and mastic, 12" x 12", white with brown streaks	Room 2A	None detected	N/A	N/A	N/A		
256-112	Resilient floor tile and mastic, 12" x 12", white with brown streaks	Room 2A	Floor tile-none detected (mastic->1% asbestos)	980	Undamaged (nonfriable)	Low		
256-113	Resilient floor tile and mastic, 12" x 12", olive with green streaks	Room 2A	2% Chrysotile (mastic->1% asbestos)	Ref. sample 112	Undamaged (nonfriable)	Low		
256-114	Resilient floor tile and mastic, 12" x 12", olive with green streaks	Room 2A	None detected	N/A	N/A	N/A		
256-115	Ceiling panel, 2' x 4', type 3	Hallway by room 2A	None detected	N/A	N/A	N/A		
256-116/ 11-29-95	Pipe joint insulation, 3" OD (elbow)	Room 1	5% Amosite 60% Chrysotile	1	Undamaged (friable)	Moderate	7	Maintain
256-117	Pipe run insulation, 3" OD	Room 1	None detected	N/A	N/A	N/A		
256-118/ 11-29-95	Pipe joint insulation, 4" OD (elbow)	Room 1	5% Amosite 60% Chrysotile	3	Undamaged (friable)	Moderate	7	Maintain
256-119	Pipe run insulation, 4" OD	Room 1	None detected	N/A	N/A	N/A		
256-120	Pipe joint insulation, 6" OD, (elbow)	Room 1	None detected	N/A	N/A	N/A		
256-121/ 11-29-95	Debris (suspect TSI on pipe insulation)	Hallway by room 10	5% Amosite 20% Chrysotile	1	Significantly damaged (friable)	High Moderate	2	Remove
256-122	Baseboard and mastic, 5" high, gree	Hallway by elevator	None detected	N/A	N/A	N/A		
256-123	Baseboard and mastic, 5" high, gree	Hallway by elevator	None detected	N/A	N/A	N/A		
256-124/ 12-01-95	Duct insulation (aircell)	Room 21	60% Chrysotile	Ref. sample 065	Undamaged (friable)	Moderate	7	Maintain
256-125/ 12-01-95	Duct insulation (aircell)	Room 21	72-87% Chrysotile	Ref. sample 065	Undamaged (friable)	Moderate	7	Maintain

82-374

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
256-126	Carpet mastic	Hallway by room 20	None detected	N/A	N/A	N/A	N/A		
256-127	Resilient floor tile and mastic, 12" x 12", pink with brown and	Room 19A	None detected	N/A	N/A	N/A	N/A		
256-128	Resilient floor tile and mastic, 12" x 12", pink with brown and	Room 19A	None detected	N/A	N/A	N/A	N/A		
256-129	Baseboard, 5" high, dark brown	Room 19	None detected	N/A	N/A	N/A	N/A		
256-130	Joint compound	Room 18	None detected	N/A	N/A	N/A	N/A		
256-131/ 11-30-95	Pipe joint insulation, 3" OD (elbow)	Room 18	10-15% Chrysotile	6	EA	Undamaged (friable)	Moderate	5	Maintain
256-132/ 11-30-95	Pipe joint insulation, 4" OD (elbow)	Room 18	10-15% Chrysotile	5	EA	Undamaged (friable)	Moderate	5	Maintain
256-133	Resilient floor tile and mastic, 12" x 12", light grey with brown and black spots	Room 13	15% Chrysotile	Ref. sample 135		Undamaged (nonfriable)	Low		
256-134	Resilient floor tile and mastic, 12" x 12", light grey with brown and black spots	Room 13	3-8% Chrysotile	Ref. sample 135		Undamaged (nonfriable)	Low		
256-135	Resilient floor tile and mastic, 9" x 9", grey with black and white streaks	Room 13	20% Chrysotile	1,600	SF	Undamaged (nonfriable)	Low		
256-136	Resilient floor tile and mastic, 9" x 9", grey with black and white streaks	Room 13	8-12% Chrysotile (mastic->1% asbestos)	Ref. sample 135		Undamaged (nonfriable)	Low		
256-137	Resilient floor tile and mastic, 9" x 9", grey with black and white streaks	Room 13	5-10% Chrysotile (mastic->1% asbestos)	Ref. sample 135		Undamaged (nonfriable)	Low		

82-375

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
256-138	Resilient floor tile and mastic, 9" x 9", olive with white and brown streaks	Room 13	5% Chrysotile (mastic-none detected)	Ref. sample 135		Undamaged (nonfriable)	Low		
256-139	Resilient floor tile and mastic, 9" x 9", olive with white and brown streaks	Room 13	3-10% Chrysotile (mastic-none detected)	Ref. sample 135		Undamaged (nonfriable)	Low		
256-140	Pipe joint insulation, 4" OD, (elbow)	Room 13	None detected	N/A	N/A	N/A	N/A		
256-141/ 11-30-95	Pipe joint insulation, 3" OD (elbow)	Room 13	8-15% Chrysotile	4	EA	Slightly damaged (friable)	Moderate	5	Remove
256-142/ 11-30-95	Pipe joint insulation, 3" OD (elbow)	Room 13	2% Chrysotile	Ref. sample 141		Slightly damaged (friable)	Moderate	5	Remove
256-143/ 11-30-95	REMOVED								
256-144	Pipe joint insulation, 3" OD, (elbow)	Room 16	None detected	N/A	N/A	N/A	N/A		
256-145	Resilient sheet flooring and mastic, yellow-brown	Room 16	None detected	N/A	N/A	N/A	N/A		
256-146	Resilient sheet flooring and mastic, yellow-brown	Room 16	None detected	N/A	N/A	N/A	N/A		
256-147	Resilient sheet flooring and mastic, yellow-brown	Room 16	None detected	N/A	N/A	N/A	N/A		
256-148/ 11-29-95	Pipe joint insulation, 4" OD (elbow)	Room 16	5-15% Chrysotile	45	EA	Undamaged (friable)	Moderate	7	Maintain
256-149/ 11-29-95	Pipe joint insulation, 4" OD (elbow)	Room 16	20% Amosite 40% Chrysotile	Ref. sample 148		Damaged (friable)	High	2	Remove

2-372

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
256-150/ 11-29-95	Pipe joint insulation, 4" OD (elbow)	Room 16	10-15% Amosite 35-40% Chrysotile	Ref. sample 148		Undamaged	Low	7	Maintain
256-151	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A	N/A	N/A		
256-152	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A	N/A	N/A		
256-153	Roofing felt (under clay tiles)	Roof	3-8% Chrysotile	See note #10		Undamaged (nonfriable)	Low		
256-154	Baseboard, 5" high, black	Hallway by room 8A	None detected	N/A	N/A	N/A	N/A		
256-155	Baseboard, 3" high, black	Room 8E	None detected	N/A	N/A	N/A	N/A		
256-156	Resilient sheet flooring and mastic, brown	Hallway by room 127	None detected	N/A	N/A	N/A	N/A		
256-157	Resilient floor tile and mastic, 12" x 12", tan with dark brown and white streaks	Hallway by room 132	None detected	N/A	N/A	N/A	N/A		
256-158	Baseboard, 5" high, reddish-brown	Hallway by room 122	None detected	N/A	N/A	N/A	N/A		
256-159	Exterior stucco	Southwest side	None detected	N/A	N/A	N/A	N/A		
256-160	Exterior stucco	Southwest side	None detected	N/A	N/A	N/A	N/A		
256-161	Exterior stucco	South side	None detected	N/A	N/A	N/A	N/A		
256-162	Resilient floor tile and mastic, 12" x 12" grey with small black dots	Room 106D	Mastic->1%Asbestos (floor tile-none detected)	1,100	SF	Undamaged (nonfriable)	Low		
256-163	Resilient floor tile and mastic, 12" x 12" grey with small black dots	Room 106E	Mastic->1%Asbestos (floor tile-none detected)	Ref. sample 162		Undamaged (nonfriable)	Low		
256-164	Pipe run insulation, 4" OD	Hallway by room 14	None detected	N/A	N/A	N/A	N/A		
256-165/ 11-30-95	Pipe joint insulation, 3" OD (elbow)	Hallway by room 14	20% Chrysotile	2	EA	Undamaged (friable)	Moderate	7	Maintain

256-165

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
256-166	Pipe run insulation, 3" OD	Hallway by room 14	None detected	N/A	N/A	N/A	N/A		
256-167	Pipe run insulation, 5" OD	Hallway by room 15	None detected	N/A	N/A	N/A	N/A		
256-168/ 11-30-95	Pipe joint insulation, 5" OD (elbow)	Hallway by room 15	2% Amosite 40% Chrysotile	2	EA	Slightly damaged (friable)	Moderate	5	Patch
256-169	Pipe joint insulation, 3" OD (elbow)	Room 16	None detected	N/A	N/A	N/A	N/A		
256-170	Pipe joint insulation, 3" OD (elbow)	Room 16	None detected	N/A	N/A	N/A	N/A		
256-171	Pipe joint insulation, 3" OD (elbow)	Room 16B	None detected	N/A	N/A	N/A	N/A		
256-172	Pipe joint insulation, 3" OD (fitting)	Room 16B	None detected	N/A	N/A	N/A	N/A		
256-173/ 12-01-95	Pipe joint insulation, 4" OD (elbow)	Room 21	10% Amosite 40% Chrysotile	5	EA	Significantly damaged (friable)	High	3	Remove
256-174	Pipe run insulation, 3" OD	Room 21	None detected	N/A	N/A	N/A	N/A		
256-175/ 11-28-95	Debris (suspect TSI) (corrugated paper)	Pipe chase in room 5	20% Amosite 5% Chrysotile	1,440	SF	Significantly damaged (friable)	High	3	Remove
256-176/ 11-28-95	Debris (suspect TSI)	Pipe chase in room 5	5% Amosite 80% Chrysotile	Ref. sample 175		Significantly damaged (friable)	High	3	Remove
256-177/ 11-28-95	Pipe run insulation, 3" OD	Pipe chase in room 5	5% Amosite 60% Chrysotile	80	LF	Damaged (friable)	High	4	Cap ends & Patch
256-178/ 11-28-95	Pipe joint insulation, 3" OD (elbow)	Pipe chase in room 5	5% Amosite 60% Chrysotile	5	EA	Damaged (friable)	High	4	Remove
256-179	Asbestos cement (transite) panel at wall radiator	Room 121	80% Chrysotile	1	EA	Undamaged (nonfriable)	Low		

822-1-228

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
256-180	Asbestos cement (transite) panel at wall radiator	Room 109	20% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
256-181	Asbestos cement (transite) panel at wall radiator	Hallway by room 227	20% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
256-182	Asbestos cement (transite) panel at wall radiator	Room 227	20% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
256-183	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A	N/A	N/A		
256-184	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A	N/A	N/A		
256-185	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A	N/A	N/A		

NOTES:

- 1) Ref. 256-093/095/149/177/178. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref 256-020/026/027/053/055/057/058/060/061/089/090/092 to 098/102 to 106/109/116/118/131/132/141 to 143/148 to 150/165/168/173/177/178. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transite piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.

20-67

- 6) Ref. 256-012/041. Sink Undercoat is typically a black, cream, or grey material found on the underside of many sinks throughout the VA Hospital complex. The black, grey, and some of the cream material has been found to be asbestos-positive. The newer material appears to be a white fibrous material which has been found to be asbestos-negative. It is nearly impossible to accurately estimate the number of sinks which have asbestos-containing sink undercoat material without sampling each individual sink in question. Therefore, the number listed in the ACM Quantity column is the number of asbestos-positive sinks in that area.
- 7) In the material description for ceiling tiles and panels, the term 'type' is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 8) In some rooms several different types of resilient floor tile may be present. In instances where the asbestos-containing RFT comprises the majority of the floor area, all floor tiles have been combined together when calculating the total square footage of materials to be abated. This is as follows:
- 12" x 12" tan with black and red streaks RFT includes 12" x 12" yellow with black and tan blotches RFT in the hallway on the first floor; 9" x 9" grey with black and white streaks RFT includes 12" x 12" light grey-brown with black spots RFT and 12" x 12" olive with white and brown streaks in room 13; 12" x 12" white with thin brown streaks RFT includes 12" x 12" olive with thin green streaks RFT in room 2 and 2, and also includes 12" x 12" white-pink with brown and orange streaks in rooms 18, 19, 19A, 20.
- 9) Ref 256-047/179 to 182. Asbestos cement (transite) sheet material. It is difficult to accurately estimate the number of radiators which have asbestos-containing transite sheet material without sampling each individual radiator in question. In the "ACM Quantity" column, we have included a total quantity of radiators containing this transite sheet material in the area sampled. In Section b. Material and Cost Data, an estimate of the total number of radiators located throughout the building is provided.
- 10) Ref. 256-151/152/153/183/184/185. Roofing felt. Six samples of roofing felt were taken at this building. Only sample #153 was identified as asbestos-containing. Since five other samples were identified as non-asbestos-containing, it is possible that roofing mastic is responsible for the asbestos positive results. In Section b. Material and Cost Data, we have not included this material in the total cost for a abatement.

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-GLAHS BUILDING 256
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN K. SPIVEY**

November 22, 2002

November 22, 2002
Contract No. V891P-6501 Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
Bldg. 218, Room 328
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**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
BUILDING NO 256, VA-GLAHS WEST LA
11301 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073**

Environmental Engineering, Inc. on behalf of the United States Department of Veterans Affairs, reinspected the asbestos containing materials (ACM) in Building 256 of the USVA-Greater Los Angeles Healthcare System (GLAHS) in Los Angeles, California. Mr. James Spencer, Mr. Roman Akeh and Dr. Zainul Abedin of Environmental Engineering, Inc. performed the asbestos inspection at the Site on October 18, 2002. Mr. James Spencer (CAC#92-0368) and Mr. Roman Akeh (CAC #93-1176) are California asbestos consultants and Dr. Zainul Abedin is an asbestos building inspector and management planner and an accredited Lead Inspector, Risk Assessor and a Lead Supervisor (I/S-1151) in the State of California.

Environmental Engineering Inc. performed the survey of the site structures to identify, assess, and sample suspect ACM at the Site, and to recommend, if necessary, appropriate response actions upon the findings of the survey. The survey consisted of a walk-through of the accessible areas, visual observation for the presence of potential ACM and sampling of presumed asbestos containing materials, and conditional reassessment of the known ACMs. Flooring, ceiling, carpet mastic, baseboard, plaster composite, exterior stucco plaster, joint compounds, sink undercoat, HVAC duct canvas tape and vibration damper, thermal system insulation (TSI) on pipes, elbows, joints, ducts and aircell, debris and roofing felt were formerly sampled and tested.

Friable asbestos was found in the following materials throughout the building:

- 3"Φ Pipe & Fitting Insulations
- 4"Φ Pipe & Fitting Insulations
- 5"Φ Pipe & Fitting Insulations
- Duct Insulations/Aircell
- TSI Debris

Non-friable asbestos was found in the following materials throughout the building:

- 9"X9" Resilient Floor Tile & Mastic
- 12"X12" Resilient Floor Tile & Mastic
- Sink Undercoat
- Transite Panels
- Roofing Felt

Some of these known asbestos containing materials were removed from the Building 256 since 1996. Damaged but friable pipe & fitting insulations and TSI debris were removed from basement and rooms 7, 10, 12 & 13 hallways and 121. Non-friable sink undercoat no longer exist in room 214A. These abated materials are summarized in Table 1.

The conditions of the remaining asbestos-containing materials were visually observed and re-assessed for management response actions. Based on the findings of this reinspection, known friable pipe & fitting insulations and aircells remained intact in rooms 1, 5, 14, 16, 18, 21, 105 pipe chase and attic areas that require regular maintenance and inspection for regulatory compliance. Damaged pipe & fitting insulations and TSI debris remained in rooms 5 & 227-228 pipe chases, 16, 21, 10 hallway and 128 ceiling cavity that require removal and/or patching for regulatory compliance. Non-friable floor tiles, transite panels, sink undercoat and roofing felts remained undamaged throughout structure that require regulatory inspection and maintenance. The results of this survey are summarized in Table 2 with recommended management response actions.

Environmental Engineering, Inc. conducted the asbestos inspection in accessible areas of the Site. Other conditions may exist in inaccessible areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. This survey was performed in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature. If you have any questions concerning the methodology or the results of this survey, please contact us at (818) 547-1330.

Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,



Zainul Abedin, PhD, REA
Project Manager

Table 1 : Asbestos Abatement in Building 256

Date	Asbestos Containing Materials	Locations/Rooms	Quantity
08/23/02	Pipe Insulations & Debris	Basement Hallway	8 lft
2 nd Qtr 99	Pipe Insulations & Debris	7 and 10, 12 & 13 Hallways	100 lft
Others	Damaged Elbows	121	
	Sink Undercoat	214A	

**Table 2 : BUILDING 256, VA-GLAHS
ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 10/18/02

Materials	Location/Rooms	ACM Condition	Friability	Potential Exposure	Priority	Response
3" Ø Pipe & Fitting Insulations	1, 5, 14, 18	Undamaged	Yes	Low	7	Maintain
4" Ø Pipe & Fitting Insulations	5 Pipe Chase, 128 Ceiling Cavity	Damaged	Yes	High	2	Patch/Remove
4" Ø Pipe & Fitting Insulations	1, 5, 16, 18	Undamaged	Yes	Low	7	Maintain
5" Ø Pipe & Fitting Insulations	16, 21, 128 Ceiling Cavity	Significantly Damaged	Yes	Moderate/High	4/2	Patch/Remove
Duct Insulations/Aircoil	16 Hallway	Slightly Damaged	Yes	Moderate	5	Patch
TSU Debris	21, 105 Pipe Chase, Attic	Undamaged	Yes	Low	7	Maintain
	5 Pipe Chase, 10 Hallway, 227-228 Pipe Chase	Significantly Damaged	Yes	High	2	Remove
9"x9" Floor Tile Mosaic	BE & D, 13	Undamaged	No	Low	7	Maintain
12"x12" Floor Tile Mosaic	2A, 13, 105, 106D & E, 126 & 219 Hallway, 108, 122, 211A	Undamaged	No	Low	7	Maintain
Sink Undercoat	104, 105, 107A	Undamaged	No	Low	7	Maintain
Transits Panel	105, 108, 121, 214, 227, 227 Hallway	Undamaged	No	Low	7	Maintain
Asphaltic (Roofing) Felt	Roof	Undamaged	No	Low	7	Maintain

Notes : 1. TSU Debris : Aborted elbows in Room 13 & 121, debris on the floor at room 5 and 227-228 Pipe Chases
 2. 9"x9" Floor tiles : 2 tiles missing in Room 13 Entrance
 3. Sink Undercoat : Removed from 214A

c. Sampling Records

BUILDING 257

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
257-001	Resilient floor tile and mastic, 12" x 12", white w/ grey streaks	Room 139	None detected	N/A	N/A	N/A	N/A		
257-002	Baseboard, 5' high, beige	Room 139	None detected	N/A	N/A	N/A	N/A		
257-003	Resilient floor tile and mastic, 12" x 12", light grey with dark grey dots	Hallway by room 21	None detected	N/A	N/A	N/A	N/A		
257-004	Baseboard and mastic, 3' high, tan	Hallway by room 21	None detected (mastic -> 1% asbestos)	1,020	LF	Undamaged (nonfriable)	Low		
257-005	Plaster composite	Hallway by room 21	None detected	N/A	N/A	N/A	N/A		
257-006 / 12-01-95	Pipe run insulation, 3" OD,	Pipe chase adjacent to room 21	60% Amosite 20% Chrysotile	15	LF	Damaged (friable)	High	3	Remove
257-007	Pipe run insulation, 3" OD,	Pipe chase adjacent to room 21	None detected	N/A	N/A	N/A	N/A		
257-008	Pipe run insulation, 3" OD,	Pipe chase adjacent to room 21	None detected	N/A	N/A	N/A	N/A		
257-009	Pipe run insulation, 3" OD,	Pipe chase adjacent to room 21	None detected	N/A	N/A	N/A	N/A		
257-010	Pipe run insulation, 3" OD,	Pipe chase adjacent to room 21	None detected	N/A	N/A	N/A	N/A		

82-386

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
257-011	Pipe run insulation, 3" OD, brown	Pipe chase adjacent to room 21	None detected	N/A	N/A	N/A	N/A		
257-012	Plaster composite	Hallway by room 21 (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
257-013	Ceiling panel, 2' x 4', type 2	Hallway by room 21	None detected	N/A	N/A	N/A	N/A		
257-014/ 12-01-95	REMOVED	-	-	-	-	-	-	-	-
257-015/ 12-01-95	REMOVED	-	-	-	-	-	-	-	-
257-016/ 12-01-95	REMOVED	-	-	-	-	-	-	-	-
257-017/ 12-01-95	REMOVED	-	-	-	-	-	-	-	-
257-018/ 12-01-95	Pipe run insulation, 4" OD,	West stairwell, crawl space	30-40% Amosite 5-15% Chrysotile	100	LF	Slightly damaged (friable)	Low	6	Patch
257-019/ 12-01-95	Pipe run insulation, 4" OD,	West stairwell, crawl space	15-30% Amosite 10-25% Chrysotile	Ref. sample 018		Slightly damaged (friable)	Low	6	Patch
257-020	Pipe run insulation, 4" OD	West stairwell, crawl space	None detected	N/A	N/A	N/A	N/A		
257-021	Resilient floor tile and mastic, 12" x 12", light grey with dark grey dots	Hallway by room 21	None detected	N/A	N/A	N/A	N/A		

82-387

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
257-022 / 12-01-95	Pipe run insulation, 6" OD	West stairwell, crawl space	5% Chrysotile	Ref. sample 018		Damaged (friable)	High	4	Patch
257-023 / 12-01-95	Pipe joint insulation, 6" OD, (elbow)	West stairwell, crawl space	20-30% Amosite 15-25% Chrysotile	1	EA	Damaged (friable)	High	4	Patch
257-024 / 12-01-95	Pipe run insulation, 6" OD,	West stairwell, crawl space	20-30% Amosite 30-40% Chrysotile	1	EA	Damaged (friable)	High	4	Patch
257-025	Pipe run insulation, 5" OD	West stairwell, crawl space	None detected	N/A	N/A	N/A	N/A		
257-026 / 12-01-95	Pipe run insulation, 5" OD	West stairwell, crawl space	40% Amosite 10% Chrysotile	30	LF	Damaged (friable)	High	4	Patch
257-027 / 12-01-95	Pipe joint insulation, 3" OD, (elbow)	West stairwell, crawl space	30-40% Amosite 10-20% Chrysotile	5	EA	Damaged (friable)	High	4	Patch
257-028 / 12-01-95	Debris (suspect TSI)	West stairwell, crawl space	20% Amosite	13,000	SF	Significantly damaged (friable)	High	3	Remove
257-029 / 12-01-95	Debris (suspect TSI)	West stairwell, crawl space	35-50% Amosite 15-30% Chrysotile	Ref. sample 028		Significantly damaged (friable)	High	3	Remove
257-030 / 12-01-95	Debris (suspect TSI)	West stairwell, crawl space	35-45% Amosite 10-20% Chrysotile	Ref. sample 028		Significantly damaged (friable)	High	3	Remove
257-031	Baseboard, 3" high, tan	Hallway by room 26	None detected	N/A	N/A	N/A	N/A		
257-032	Realign floor tile and mastic, 9" x 9" dark red with white stripes	Room 26	10% Chrysotile (mastic -> 1% asbestos)	125	SF	Undamaged (nonfriable)	Low		

82-398

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
257-033	Resilient floor tile and mastic, 9" x 9" dark red w/ white stripes	Room 26	5-12% Chrysotile (mastic-none detected)	Ref. sample 032		Undamaged (nonfriable)	Low		
257-034	Resilient floor tile and mastic, 9" x 9" dark red w/ white stripes	Room 26	5-10% Chrysotile (mastic-none detected)	Ref. sample 032		Undamaged (nonfriable)	Low		
257-035 / 12-14-95	Pipe joint insulation, 3" OD, (elbow)	East stairwell, equipment room	10-25% Amosite 15-20% Chrysotile	1	EA	Significantly damaged (friable)	High	3	Remove
257-036 / 12-14-95	Pipe joint insulation, 4" OD (elbow)	East stairwell, crawl space in equipment room	20% Amosite 20% Chrysotile	2	EA	Damaged (friable)	High	4	Remove
257-037 / 12-14-95	Pipe run Insulation, 4" OD,	Crawl space, equipment room, east stairwell	50-75% Chrysotile	100	LF	Damaged (friable)	High	4	Remove
257-038 / 12-14-95	Debris (suspect TSI)	Crawl space, equipment room, east stairwell	15-20% Amosite 5-12% Chrysotile	Ref. sample 028		Significantly damaged (friable)	High	3	Remove
257-039 / 12-14-95	Pipe run insulation, 5" OD	East stairwell, equipment room	40% Amosite 20% Chrysotile	30	LF	Significantly damaged (friable)	High	3	Remove
257-040 / 12-14-95	Debris (suspect TSI)	Crawl space, equipment room, east stairwell	20-35% Amosite 20-30% Chrysotile	Ref. sample 028		Significantly damaged (friable)	High	3	Remove
257-041	Resilient floor tile and mastic, 12" x 12", white with beige dots	Room 4	None detected	N/A	N/A	N/A	N/A		

82-289

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
257-042	Resilient floor tile and mastic, 12" x 12", white w/ beige dots	Room 3	Floor tile-None detected (mastic->1% asbestos)	3,220	SF	Undamaged (nonfriable)	Low		
257-043	Resilient floor tile and mastic, 12" x 12", white w/ beige dots	Room 2	Floor tile-None detected (mastic->1% asbestos)	Ref. sample 042		Undamaged (nonfriable)	Low		
257-044	Resilient floor tile and mastic, 12" x 12", white w/ grey streaks	Room 13A	Floor tile-None detected (mastic->1% asbestos)	11,750	SF	Undamaged (nonfriable)	Low		
257-045	Baseboard and mastic, 5" high, grey	Room 3	None detected	N/A	N/A	N/A	N/A		
257-046	Baseboard and mastic, 5" high, grey	Room 2	None detected	N/A	N/A	N/A	N/A		
257-047	Baseboard and mastic, 3" high, tan	Hallway by room 13	None detected	N/A	N/A	N/A	N/A		
257-048	Baseboard and mastic, 5" high, grey	Room 13A	None detected	N/A	N/A	N/A	N/A		
257-049	Ceiling panel, 2' x 4', type 4	Room 3	None detected	N/A	N/A	N/A	N/A		
257-050	Ceiling panel, 2' x 4', type 3	Room 3	None detected	N/A	N/A	N/A	N/A		
257-051	Joint compound	Room 3 (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
257-052/ 12-06-95	REMOVED								
257-053	Resilient floor tile, brown with black	Room 12A, (below carpet)	15% Chrysotile (mastic->1% asbestos)	7,220	SF	Undamaged (nonfriable)	Low		
257-054	Resilient floor tile, brown with black	Room 12A (below carpet)	10-20% Chrysotile (mastic-none detected)	Ref. sample 053		Undamaged (nonfriable)	Low		

82-390

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	ACM Condition Unit and Friability	Potential Exposure	Priority	Response
257-055	Resilient floor tile, brown with black	Room 12A (below carpet)	15-30% Chrysotile	Ref. sample 053	Undamaged (nonfriable)	Low		
257-056	Baseboard and mastic, 5" high, orange	Room 12A	None detected	N/A	N/A	N/A		
257-057	Baseboard and mastic, 5" high, orange	Room 12B	None detected	N/A	N/A	N/A		
257-058	Baseboard and mastic, 5" high, orange	Room 12C	Floor tile-none detecte (mastic->1% asbestos)	200	LF Undamaged (Nonfriable)	Low		
257-059	Baseboard and mastic, 5" high, green	Room 12F	None detected	N/A	N/A	N/A		
257-060	Baseboard and mastic, 5" high, green	Room 12F	None detected	N/A	N/A	N/A		
257-061	Baseboard and mastic, 5" high, olive	Room 12E	None detected	N/A	N/A	N/A		
257-062	Baseboard and mastic, 5" high, olive	Room 12E	None detected	N/A	N/A	N/A		
257-063	Plaster composite	Pipe chase adjacent	None detected	N/A	N/A	N/A		
257-064	Joint compound	Hallway by room 15	None detected	N/A	N/A	N/A		
257-065	Resilient floor tile and mastic, 12" x 12", white with multi color blotches	Hallway by room 12	2% Chrysotile	425	SF Undamaged (Nonfriable)	Low		
257-066	Ceiling panel, 2' x 4', type 4	Hallway by room 12	None detected	N/A	N/A	N/A		

82-391

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
257-067	Ceiling panel, 2' x 4', type 4	Hallway by room 10	None detected	N/A	N/A	N/A	N/A		
257-068	Resilient floor tile and mastic, 12" x 12" white with multi color blotches	Hallway by room 7	None detected	N/A	N/A	N/A	N/A		
257-069	Joint compound	Hallway by room 7G	None detected	N/A	N/A	N/A	N/A		
257-070	Ceiling tile mastic	Room 7F (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
257-071	Ceiling tile mastic	Room 7F (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
257-072	Vinyl floor strip and mastic	Room 7	Floor tile-none detecte 2 (mastic->1% asbestos)	N/A	SF	Undamaged (Nonfriable)	Low		
257-073	Ceiling panel, 2' x 4', type 5	Hallway by room 12	None detected	N/A	N/A	N/A	N/A		
257-074	Ceiling panel, 2' x 4', type 5	Hallway by room 12	None detected	N/A	N/A	N/A	N/A		
257-075	Baseboard and mastic, 5" high, tan	Hallway by room 7	None detected	N/A	N/A	N/A	N/A		
257-076	Resilient floor tile and mastic, 9" x 9", grey	Room 9	15% Chrysotile (mastic-none detected)	150	SF	Undamaged (Nonfriable)	Low		
257-077	Resilient floor tile and mastic, 9" x 9", grey	Room 9	5-12% Chrysotile (mastic-none detected)	Ref. sample 076		Undamaged (Nonfriable)	Low		
257-078	Baseboard and mastic, 3" high, brow	Room 9	None detected	N/A	N/A	N/A	N/A		
257-079	Pipe run insulation, 3" OD	Pipe chase in rm. 10	None detected	N/A	N/A	N/A	N/A		

89-992

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
257-080 / 12-01-95	REMOVED	-	-	-	-	-	-	-	-
257-081 / 12-01-95	Duct insulation (aircell)	Pipe chase in room 10	40% Chrysotile	15	LF	Undamaged (friable)	Low	7	Maintain
257-082 / 12-01-95	Duct insulation (aircell)	Pipe chase in room 10	65-74% Chrysotile	Ref. sample 081		Undamaged (friable)	Low	7	Maintain
257-083 / 12-01-95	Duct insulation (aircell)	Pipe chase in room 10	50-65% Chrysotile	Ref. sample 081		Undamaged (friable)	Low	7	Maintain
257-084 / 12-01-95	Pipe joint insulation, 3" OD (elbow)	Pipe chase in room 10	10% Amosite 40% Chrysotile	1	EA	Significantly damaged (friable)	High	3	Remove
257-085 / 12-01-95	Pipe joint insulation, 3" OD, (elbow)	Pipe chase in room 10	20-30% Chrysotile	Ref. sample 084		Significantly damaged (friable)	High	3	Remove
257-086	Baseboard and mastic, 5" high, beige	Room 23	None detected	N/A	N/A	N/A	N/A		
257-087 / 12-06-95	Debris (suspect TSI)	Room 23 (ceiling cavity)	60% Amosite	20	SF	Significantly damaged (friable)	High	2	Remove
257-088 / 12-06-95	Debris (suspect TSI)	Room 23 (ceiling cavity)	30-40% Amosite 10-20% Chrysotile	Ref. sample 087		Significantly damaged (friable)	High	2	Remove
257-089	Resilient floor tile and mastic, 12" x 12" white with copper streaks	Room 24	None detected	N/A	N/A	N/A	N/A		
257-090	Resilient floor tile & mastic, 12" x 12" white w/copper streaks	Room 24	None detected	N/A	N/A	N/A	N/A		

82
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93

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	ACM Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
257-091	Baseboard and mastic, 5" high, brow	Room 24	None detected	N/A	N/A	N/A	N/A		
257-092	Carpet mastic	Hallway by rm 22B	None detected	N/A	N/A	N/A	N/A		
257-093	Carpet mastic	Near exit by rm 22E	None detected	N/A	N/A	N/A	N/A		
257-094	Resilient floor tile, 12" x 12", white with green streaks	Room 108D	None detected	N/A	N/A	N/A	N/A		
257-095	Ceiling panel, 2' x 4', type 1	Room 108E	None detected	N/A	N/A	N/A	N/A		
257-096	Ceiling panel, 2' x 4', type 1	Room 108E	None detected	N/A	N/A	N/A	N/A		
257-097	Ceiling panel, 2' x 4', type 1	Room 108E	None detected	N/A	N/A	N/A	N/A		
257-098	Joint compound	Room 108E	None detected	N/A	N/A	N/A	N/A		
257-099	Resilient floor tile and mastic, 12" x 12", blue and white	Room 110B	None detected	N/A	N/A	N/A	N/A		
257-100	Resilient floor tile and mastic, 12" x 12", blue and white	Room 110B	None detected	N/A	N/A	N/A	N/A		
257-101	Resilient floor tile and mastic, 12" x 12", blue and white	Room 110B	None detected	N/A	N/A	N/A	N/A		
257-102	Resilient sheet flooring, gold spots	Room 110B	None detected	N/A	N/A	N/A	N/A		
257-103	Resilient sheet flooring, gold spots	Room 110B	None detected	N/A	N/A	N/A	N/A		
257-104	Resilient sheet flooring, gold spots	Room 109A	None detected	N/A	N/A	N/A	N/A		
257-105	Resilient sheet flooring, gold spots	Room 110B	None detected	N/A	N/A	N/A	N/A		
257-106	Resilient sheet flooring, gold spots	Room 110B	None detected	N/A	N/A	N/A	N/A		

82-294

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
257-107	Baseboard and mastic, 5" high, grey	Room 110B	None detected	N/A	N/A	N/A	N/A		
257-108	Plaster composite	Room 115	None detected	N/A	N/A	N/A	N/A		
257-109	Resilient floor tile and mastic, 9" x 9", brown w/black streaks	Room 115	10-25% Chrysotile (mastic->1% asbestos)	Ref. sample 053	053	Undamaged (nonfriable)	Low		
257-110	Resilient floor tile & mastic, 9" x 9", brown w/black streaks	Room 115	10% Chrysotile	Ref. sample 053	053	Undamaged (nonfriable)	Low		
257-111/ 12-01-95	Pipe run insulation, 5" OD	Room 102	5% Chrysotile	4	LF	Damaged (friable)	High	2	Remove
257-112	Pipe run insulation, 5" OD	Room 102	None detected	N/A	N/A	N/A	N/A		
257-113	Pipe run insulation, 5" OD	Room 102	None detected	N/A	N/A	N/A	N/A		
257-114	Resilient floor tile and mastic, 12" x 12", white with light brown streaks	Room 116	5% Chrysotile	110	SF	Undamaged (nonfriable)	Low		
257-115	Resilient floor tile and mastic, 12" x 12", white with light brown streaks	Room 116	Floor tile-none detected (mastic->1% asbestos)	Ref. sample 114	114	Undamaged (nonfriable)	Low		
257-116	Resilient floor tile and mastic, 12" x 12", white with light brown streaks	Room 116	Floor tile-none detected (mastic->1% asbestos)	Ref. sample 114	114	Undamaged (nonfriable)	Low		
257-117	Ceiling tile, 12" x 12", type 6	Room 117	None detected	N/A	N/A	N/A	N/A		
257-118	Ceiling tile, 12" x 12", type 6	Room 117	None detected	N/A	N/A	N/A	N/A		

82 - 1395

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
257-119	Ceiling tile, 12" x 12", type 6	Room 117	None detected	N/A	N/A	N/A	N/A		
257-120	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A	N/A	N/A		
257-121	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A	N/A	N/A		
257-122	Roofing felt (under clay tiles)	Roof	None detected	N/A	N/A	N/A	N/A		
257-123 12-06-95	Duct insulation (aircell)	Attic	60% Chrysotile	280	SF	Undamaged (friable)	Low	7	Maintain
257-124 12-06-95	Duct insulation (aircell)	Attic	60-75% Chrysotile	Ref. sample	123	Undamaged (friable)	Low	7	Maintain
257-125 12-06-95	Duct insulation (aircell)	Attic	82-92% Chrysotile	Ref. sample	123	Undamaged (friable)	Low	7	Maintain
257-126 12-06-95	Duct insulation (aircell)	Attic	80% Chrysotile	Ref. sample	123	Undamaged (friable)	Low	7	Maintain
257-127 12-06-95	Duct insulation (aircell)	Attic	60-75% Chrysotile	Ref. sample	123	Undamaged (friable)	Low	7	Maintain
257-128 12-06-95	Duct insulation (aircell)	Attic	55-75% Chrysotile	Ref. sample	123	Undamaged (friable)	Low	7	Maintain
257-129	Flexible connector/vibration damper	Attic	2% Chrysotile	2	EA	Undamaged (nonfriable)	Low		
257-130	Flexible connector/vibration damper	Attic	None detected	N/A	N/A	N/A	N/A		
257-131	Mastic material (suspect roofing mastic)	Attic	10% Chrysotile	10	SF	Undamaged (nonfriable)	Low		

82 348

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
257-132	Mastic material (suspect roofing mastic)	Attic	10-20% Chrysotile	Ref. sample 131		Undamaged (nonfriable)	Low		
257-133	Mastic material (suspect roofing mastic)	Attic	5-12% Chrysotile	Ref. sample 131		Undamaged (nonfriable)	Low		
257-134	Resilient sheet flooring, pink	Room 129	5% Chrysotile	115	SF	Undamaged (nonfriable)	Low		
257-135	Resilient sheet flooring, pink	Room 129	None detected	N/A	N/A	N/A	N/A		
257-136	Resilient sheet flooring, pink	Room 127	None detected	N/A	N/A	N/A	N/A		
257-137	Wall/ceiling tile, 12" x 12", type 8	Room 136	None detected	N/A	N/A	N/A	N/A		
257-138	Wall/ceiling tile, 12" x 12", type 8	Room 136	None detected	N/A	N/A	N/A	N/A		
257-139	Wall/ceiling tile, 12" x 12", type 8	Room 136	None detected	N/A	N/A	N/A	N/A		
257-140	Resilient sheet flooring, brown	Room 122A	40% Chrysotile	115	SF	Undamaged (nonfriable)	Low		
257-141	Resilient sheet flooring, brown	Room 122A	50-75% Chrysotile	Ref. sample 140		Undamaged (nonfriable)	Low		
257-142	Resilient sheet flooring, brown	Room 122A	20-45% Chrysotile	Ref. sample 140		Undamaged (nonfriable)	Low		
257-143	Resilient sheet flooring, white	Room 210A	None detected	N/A	N/A	N/A	N/A		
257-144	Resilient sheet flooring, white	Room 210A	None detected	N/A	N/A	N/A	N/A		
257-145	Resilient sheet flooring, white	Room 210A	None detected	N/A	N/A	N/A	N/A		

2, 397

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
257-146	Resilient floor tile, 12" x 12", light brown with grey streaks	Room 208C	5% Chrysotile (mastic-none detected)	1,150	SF	Undamaged (nonfriable)	Low		
257-147	Resilient floor tile, 12" x 12", light brown with grey streaks	Room 208C	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 146		Undamaged (Nonfriable)	Low		
257-148	Resilient floor tile, 12" x 12", light brown with grey streaks	Hallway by room 208D	None detected	N/A	N/A	N/A	N/A		
257-149	Resilient floor tile and mastic, 12" x 12", reddish brown w/ spots	Hallway by room 208D	Floor tile-5% Chrysotil 10 (mastic->1% asbestos)	10	SF	Undamaged (nonfriable)	Low		
257-150	Resilient floor tile and mastic, 12" x 12", reddish brown w/ spots	Hallway by room 208D	None detected	N/A	N/A	N/A	N/A		
257-151	Resilient floor tile and mastic, 12" x 12", reddish brown w/ spots	Hallway by room 208D	None detected	N/A	N/A	N/A	N/A		
257-152	Baseboard, 3" high, dark brown	Hallway by rm 208D	None detected	N/A	N/A	N/A	N/A		
257-153	Baseboard, 3" high, dark brown	Hallway by rm 208D	None detected	N/A	N/A	N/A	N/A		
257-154	Resilient floor tile and mastic, 9" x 9", reddish brown with beige and dark brown streaks	Room 226	Floor tile-none detecte (mastic-5% Chrysotile)	100	SF	Undamaged (nonfriable)	Low		
257-155	Resilient floor tile and mastic, 9" x 9" reddish brown with beige and dark brown streaks	Room 226	5-12% Chrysotile (mastic->1% asbestos)	Ref. sample 154		Undamaged (nonfriable)	Low		

82 - 298

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
257-156	Resilient floor tile and mastic, 9' x 9" reddish brown w/ beige and dark brown streaks	Room 226	5-10% Chrysotile (maastic->1% asbestos)	Ref. sample 154	N/A	Undamaged (nonfriable)	Low		
257-157	Ceiling panel, 2' x 4', type 7	Hallway by rm 226	None detected	N/A	N/A	N/A	N/A		
257-158	Ceiling panel, 2' x 4', type 7	Hallway by rm 224	None detected	N/A	N/A	N/A	N/A		
257-159	Ceiling panel, 2' x 4', type 7	Hallway by rm 222	None detected	N/A	N/A	N/A	N/A		
257-160	Ceiling panel, 2' x 4', type 3	Room 228	None detected	N/A	N/A	N/A	N/A		
257-161	Ceiling panel, 2' x 4', type 3	Hallway by rm 228	None detected	N/A	N/A	N/A	N/A		
257-162	Plaster composite	Pipe chase by rm 229	None detected	N/A	N/A	N/A	N/A		
257-163	Ceiling panel, 2' x 4', type 2	Room 232	None detected	N/A	N/A	N/A	N/A		
257-164	Ceiling panel, 2' x 4', type 2	Room 232	None detected	N/A	N/A	N/A	N/A		
257-165	Joint compound	Pipe chase by rm 231	None detected	N/A	N/A	N/A	N/A		
257-166	Joint compound	Pipe chase by rm 231	None detected	N/A	N/A	N/A	N/A		
257-167	Resilient floor tile and mastic, 12" x 12", beige and yellow	Hallway by room 231C	None detected	N/A	N/A	N/A	N/A		
257-168	Resilient floor tile and mastic, 12" x 12", beige and yellow	Hallway by room 231C	None detected	N/A	N/A	N/A	N/A		
257-169	Resilient floor tile and mastic, 12" x 12", beige and yellow	Hallway by room 231C	Floor tile-none detecte (maastic->1% asbestos)	10	SF	Undamaged (Nonfriable)	Low		

82-44

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
257-170	Resilient floor tile and mastic, 12" x 12", white with multi color spots	Hallway by room 7	None detected	N/A	N/A	N/A	N/A		
257-171	Baseboard and mastic, 3" high, tan	Hallway by room 17	None detected	N/A	N/A	N/A	N/A		
257-172	Baseboard and mastic, 5" high, tan	Hallway by room 7	None detected	N/A	N/A	N/A	N/A		
257-173	Baseboard and mastic, 5" high, tan	Hallway by room 7	None detected	N/A	N/A	N/A	N/A		
257-174	Ceiling panel, 2' x 4', type 3	Hallway by room 7	None detected	N/A	N/A	N/A	N/A		
257-175	Resilient floor tile and mastic, 12" x 12", light grey with dark grey dots	Hallway by room 4	None detected	N/A	N/A	N/A	N/A		
257-176	Resilient floor tile & mastic, 12" x 12", white w/copper streaks	Room 24	Floor tile-none detected (mastic->1% asbestos)	150	SF	Undamaged (Nonfriable)	Low		
257-177	Ceiling panel, 2' x 4', type 5	Hallway by room 12	None detected	N/A	N/A	N/A	N/A		
257-178	Baseboard and mastic, 5" high, olive	Room 12F	None detected	N/A	N/A	N/A	N/A		
257-179	Exterior stucco	North side	None detected	N/A	N/A	N/A	N/A		
257-180	Exterior stucco	North side	None detected	N/A	N/A	N/A	N/A		
257-181	Exterior stucco	North side	None detected	N/A	N/A	N/A	N/A		
257-182	Canvas tape on duct	Exterior, east side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		
257-183	Canvas tape on duct	Exterior, east side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		
257-184	Cement covering	Stairwell, east wing	None detected	N/A	N/A	N/A	N/A		

82-400

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
257-185	Cement covering	Stairwell, east wing	None detected	N/A	N/A	N/A	N/A		
257-186	Cement covering	Stairwell, east wing	None detected	N/A	N/A	N/A	N/A		
257-187	Exterior stucco	Exterior, north side	None detected	N/A	N/A	N/A	N/A		
257-188	Duct sealant	Exterior, east side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		
257-189	Duct sealant	Exterior, east side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		
257-190	Duct sealant	Exterior, east side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		
257-191	Flexible connector/vibration dampe	Exterior, east side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		
257-192	Flexible connector/vibration dampe	Exterior, east side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		
257-193	Exterior stucco	Exterior, south side	None detected	N/A	N/A	N/A	N/A		
257-194	Duct sealant, yellow	Exterior, south side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		
257-195	Duct sealant, yellow	Exterior, south side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		
257-196	Duct sealant, yellow	Exterior, south side, HVAC equipment	None detected	N/A	N/A	N/A	N/A		

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
257-197	Resilient floor tile and mastic, 12" x 12", white w/ grey streaks	Hallway by room 177F	2% Chrysotile	Ref. sample 001	N/A	Undamaged (nonfriable)	Low		
257-198	Resilient floor tile and mastic, 12" x 12", white w/ grey streaks	Hallway by room 106	2% Chrysotile	Ref. sample 001	N/A	Undamaged (nonfriable)	Low		
257-199	Baseboard and mastic, 3" high, tan	Hallway by rm 15D	None detected	N/A	N/A	N/A	N/A		
257-200	Baseboard, 3" high, tan	Hallway by room 14	None detected	N/A	N/A	N/A	N/A		
257-201	Baseboard mastic	Hallway by room 14	None detected	N/A	N/A	N/A	N/A		
257-202	Pipe run insulation, 4" OD	Pipe chase by room 21	None detected	N/A	N/A	N/A	N/A		
257-203	Pipe run insulation, 3" OD	Pipe chase by room 21	None detected	N/A	N/A	N/A	N/A		
257-204	Pipe run insulation, 3" OD	Pipe chase by room 21	None detected	N/A	N/A	N/A	N/A		
257-205	Pipe run insulation, 3" OD	Pipe chase by room 21	None detected	N/A	N/A	N/A	N/A		

82-402

NOTES:

- 1) Ref. 257-006/014 to 017/022 to 024/026/027/036/037/038/111. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref. 257-052. Investigation of Room 5 indicated that prior sampling and analysis of the air cell duct material and the pipe insulated materials has been conducted. All of these materials are included in Section b. Material and Cost Data, even though only sample 052 was taken as part of this work.
- 3) Ref. 257-006/014 to 019/022 to 024/026/027/035 to 037/039/080/084/085/111. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 6) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork; or if further sampling results show non detection for asbestos.
- 7) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 8) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.

82 - 463

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-GLAHS BUILDING 257
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN K. SPIVEY**

November 12, 2002

November 12, 2002
Contract No. V691P-6501 Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
Bldg. 218, Room 328
11301 Wilshire Boulevard
Los Angeles, CA 90073

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
BUILDING NO 257, VA-GLAHS WEST LA
11301 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073**

Environmental Engineering, Inc. on behalf of the United States Department of Veterans Affairs, reinspected the asbestos containing materials (ACM) in Building 257 of the USVA-Greater Los Angeles Healthcare System (GLAHS) in Los Angeles, California. Mr. James Spencer, Mr. Roman Akeh and Dr. Zainul Abedin of Environmental Engineering, Inc. performed the asbestos inspection at the Site on November 4, 2002. Mr. James Spencer (CAC#92-0368) and Mr. Roman Akeh (CAC #93-1176) are California asbestos consultants and Dr. Zainul Abedin is an asbestos building inspector and management planner and an accredited Lead Inspector, Risk Assessor and a Lead Supervisor (I/S-1151) in the State of California.

Environmental Engineering Inc. performed the survey of the site structures to identify, assess, and sample suspect ACM at the Site, and to recommend, if necessary, appropriate response actions upon the findings of the survey. The survey consisted of a walk-through of the accessible areas, visual observation for the presence of potential ACM and sampling of presumed asbestos containing materials, and conditional reassessment of the known ACMs. Flooring, ceiling, carpet mastic, baseboard, wall plaster, exterior stucco plaster, joint compounds, sink undercoat, HVAC duct canvas tape and vibration damper, thermal system insulation (TSI) on pipes, elbows, joints, ducts and aircell, debris, roofing felt and mastic were formerly sampled and tested. Friable asbestos was found in the following materials throughout the building:

- 3"Φ Pipe & Fitting Insulations
- 4"Φ Pipe & Fitting Insulations
- 5"Φ Pipe & Fitting Insulations
- 6"Φ Pipe & Fitting Insulations
- Duct Insulations/Aircell
- TSI Debris

Non-friable asbestos was found in the following materials throughout the building:

- 9"X9" Resilient Floor Tile & Mastic
- 12"X12" Resilient Floor Tile & Mastic
- Resilient Sheet Flooring & Mastic
- Baseboard & Mastic
- Vinyl Floor Strip & Mastic
- HVAC Flexible Connector/Vibration Damper

Some of these known asbestos containing materials were removed from the Building 257 since 1996. These abated materials are summarized in Table 1.

The conditions of the remaining asbestos-containing materials were visually observed and re-assessed for management response actions. Based on the findings of this reinspection, most known friable pipe insulations and aircells remained intact, while TSI debris were observed in room 10, 21 & 117 pipe chases, 23 and east & west stair crawl spaces that require removal. TSI debris were sampled in room 117 pipe chase with 12"Φ pipe insulations in boiler room while detected no asbestos. These materials are included in Bulk Sample Summary at the end of the report. Non-friable floor tiles, HVAC duct flexible connector/vibration damper and asphaltic penetration mastic remained undamaged. The results of this survey are summarized in Table 2 with recommended management response actions.

Environmental Engineering, Inc. conducted the asbestos inspection in accessible areas of the Site. Other conditions may exist in inaccessible areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. This survey was performed in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature. If you have any questions concerning the methodology or the results of this survey, please contact us at (818) 547-1330.

Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,



Zainul Abedin, PhD, REA
Project Manager

Table 1 : Asbestos Abatement in Building 257

Date	Asbestos Containing Materials	Locations/Rooms	Quantity
09/17/02	Pipe Insulations & Debris	22 Hallway	40 lft
10/19/01	Floor Tiles & Mastic	1 st and 2 nd Floors	38000 ft ²
	Floor Tile & Mastic	9 & 10	250 ft ²
	Duct & Pipe Insulations	1 st and 2 nd Floors	
09/18/01	Pipe & Fitting Insulations	Building Renovation	40 lft
	Floor Tiles & Mastic	Building Renovation	600 ft ²
Others	Vinyl Sheet Floorings	129	

**Table 2 : BUILDING 257, VA-GLAHS
ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 11/04/02

Material	Location/Rooms	ACM Condition	Friability	Potential Exposure	Priority	Response
3" Ø Pipe & Fitting Insulations	10A, 21 Pipe Chases, East & West Stair Crawl Spaces	Damaged	Yes	Low	7	Maintain
4" Ø Pipe & Fitting Insulations	East & West Stair Crawl Space,	Damaged	Yes	Low	7	Maintain
5" Ø Pipe & Fitting Insulations	102, West Stair Crawl Space	Damaged	Yes	Low	7	Maintain
6" Ø Pipe & Fitting Insulations	East & West Stair Crawl Space	Damaged	Yes	Low	7	Maintain
Duct Insulations/Aircoil	10 & 117 Pipe Chases, Attic	Undamaged	Yes	Low	7	Maintain
TSU Debris	10 & 21 Pipe Chases, 23, East & West Stair Crawl Space	Significantly Damaged	Yes	Moderate	3	Remove
8"xs" Floor Tile Mastic	9, 12A, 20, 115, 206B-E-F, 211, 212, 220,	Undamaged	No	Low	7	Maintain
12"x12" Floor Tile Mastic	2, 3, 12, 12A, 13A, 24, 108 Hall, 116, 177F Hall, 208C, 209D Hall, 231C Hall	Undamaged	No	Low	7	Maintain
Sheet Flooring & Mastic	122A	Undamaged	No	Low	7	Maintain
Vinyl Floor Strip & Mastic	7	Undamaged	No	Low	7	Maintain
Vinyl Baseboard & Mastic	12C, 21 Hall	Undamaged	No	Low	7	Maintain
Flexible Connector/Vibration Dampener	Attic	Undamaged	No	Low	7	Maintain
Asphaltic (Roofing) Mastic	Attic	Undamaged	No	Low	7	Maintain

- Notes : 1. TSU Debris : Lots of in Room 10, 21 & 117 Pipe Chases
2. 12"x12" Floor Tiles : 1 damaged in Room 3

82-408

REPORT NO: 82824 **CLIENT:** VA-GLAHS
 11301 WILSHIRE BLVD.
 LOS ANGELES, CA 90073
DATE: Nov 13, 2002
DATE RECEIVED: Nov 7, 2002 **ATTENTION:** BEN SPIVEY
DATE ANALYZED: Nov 13, 2002 **REFERENCE:** BLDG 287
 P.O.#891-C10949
DATE / TIME COLLECTED: 11/4/02 BY ZAINUL ABEDIN
SUBJECT: Polarized Light Microscopy Analysis for Asbestos: 6 Samples
METHODOLOGY: "Method for Determination of Asbestos in Bulk Building Materials."
 EPA 800/R-03/116
ACCREDITED: National Institute of Standards and Technology (NVLAP) #101218
CERTIFIED: California Department of Health Services Environmental Testing Laboratory ELAP 1119,
 County Sanitation Districts of Los Angeles County, Laboratory Identification No. 10120

QUALITY CONTROL SAMPLE (SRM 1866 GLASS FIBERS AS THE BLANK): NONE DETECTED

SAMPLE ID NUMBER	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS MATERIALS	NON-FIBROUS MATERIALS
02-11BUA257-01	FRIABLE	WHITE GRANULAR	NONE DETECTED	CELLULOSE 2% GLASSWOOL 10%	GRANULAR MINERALS OPAQUES
02-11BUA257-02	FRIABLE	WHITE GRANULAR	NONE DETECTED	GLASSWOOL 20%	GRANULAR MINERALS OPAQUES
02-11BUA257-03	FRIABLE	WHITE GRANULAR	NONE DETECTED	CELLULOSE 5% GLASSWOOL 20%	GRANULAR MINERALS OPAQUES
02-11BUA257-04	NON-FRIABLE	WHITE SOLID	NONE DETECTED	CELLULOSE - LESS THAN 1%	GRANULAR MINERALS OPAQUES
02-11BUA257-05	NON-FRIABLE	WHITE SOLID	NONE DETECTED	NONE DETECTED	GRANULAR MINERALS OPAQUES
02-11BUA257-06	NON-FRIABLE	GRAY SOLID	NONE DETECTED	NONE DETECTED	GRANULAR MINERALS OPAQUES

Optical Microscopy
B.M. Kolk

B.M. Kolk, Laboratory Director

The EPA method is a semi-quantitative procedure. The detection limit is between 1/10 to 1 percent by area and is dependent upon the size of the asbestos fibers, the means of sampling and the matrix of the sampled material.

The test results reported are for the sample or samples delivered to us and may not represent the entire material from which the sample was taken. The EPA recommends that three samples be taken from a homogeneous sampling area before testing and that the results be averaged.

This report from a RSL Accredited Laboratory Group (NVLAP) must not be used by the client to claim product endorsement by the U.S. Environmental Protection Agency.

NOTE: The report will only be reissued upon a full payment of the balance applicable to this laboratory fee.

Asbestos fibers may be present in a product even if it is labeled as being asbestos-free. Such a claim is not substantiated by X-Ray diffraction (XRD) as recommended by EPA (Federal Register Vol. 59, Dec. 3, 1994).

82-409

Bulk Sample Summary

Survey Date	Sample Number	Materials Description	Material Locations/Room	Laboratory Results	ACM Quantity	Unit	Condition	Exposure	Priority	Response
11/04/02	02-11BUA257-01	12" ϕ Pipe Insulations	Basement Boiler	None Detected	-	-	-	-	-	-
11/04/02	02-11BUA257-02	12" ϕ Pipe Insulations	Basement Boiler	None Detected	-	-	-	-	-	-
11/04/02	02-11BUA257-03	12" ϕ Pipe Insulations	Basement Boiler	None Detected	-	-	-	-	-	-
11/04/02	02-11BUA257-01	TSI Debris	Room 117 Pipe Chase	None Detected	-	-	-	-	-	-
11/04/02	02-11BUA257-02	TSI Debris	Room 117 Pipe Chase	None Detected	-	-	-	-	-	-
11/04/02	02-11BUA257-03	TSI Debris	Room 117 Pipe Chase	None Detected	-	-	-	-	-	-

82-411

c. Sampling Records

BUILDING 258

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
258-001	Carpet mastic	Main lobby, 1st floor	None detected	N/A	N/A	N/A	N/A		
258-002	Resilient floor tile and mastic, 9" x 9", tan w/dark brown streaks	Hallway by room 218B	2% Chrysotile (mastic-none detected)	4,700	SF	Undamaged (nonfriable)	Low		
258-003	Resilient floor tile and mastic, 9" x 9", tan w/dark brown streaks	Hallway by room 218D	2-8% Chrysotile (mastic->1% asbestos)	Ref. sample 002		Undamaged (nonfriable)	Low		
258-004	Resilient floor tile and mastic, 12" x 12", white w/dark green streak	Hallway by room 104	None detected	N/A	N/A	N/A	N/A		
258-005	Resilient floor tile and mastic, 12" x 12", white w/dark green streaks	Hallway by room 135	floor tile-none detecte (mastic->1% asbestos)	1,770	SF	Undamaged (nonfriable)	Low		
258-006	Pipe run insulation (cork material, and black mastic)	Room 105	None detected	N/A	N/A	N/A	N/A		
258-007	Pipe joint insulation, 4"OD, (elbow)	Room 105	None detected	N/A	N/A	N/A	N/A		
258-008	Pipe joint insulation, 3" OD, (elbow)	Room 105	None detected	N/A	N/A	N/A	N/A		
258-009	Ceiling panels, 2' x 4', type 1	Hallway by west entr	None detected	N/A	N/A	N/A	N/A		
258-010	Ceiling tiles, 12" x 12", type 2	Hallway by west entr	None detected	N/A	N/A	N/A	N/A		
258-011	Carpet mastic	Room 104A	None detected	N/A	N/A	N/A	N/A		
258-012	Resilient floor tile and mastic, 9" x 9", light brown w/yellow streaks	Room 104A	10% Chrysotile	430	SF	Undamaged (nonfriable)	Low		

82-412

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
258-013	Baseboard and mastic, 5" high, reddish brown	Hallway by room 114	None detected	N/A	N/A	N/A	N/A		
258-014	Baseboard and mastic, 5" high, reddish brown	Room 114	None detected	N/A	N/A	N/A	N/A		
✓258-015	Resilient floor tile and mastic, 9" x 9", light brown w/yellow streaks	Room 104A	5-12% Chrysotile (mastic->1% asbestos)	Ref. sample 012		Undamaged (nonfriable)	Low		
258-016	Joint compound	Hall by room 109	None detected	N/A	N/A	N/A	N/A		
258-017	Baseboard and mastic, 5" high, grey	Hallway by room 109	None detected	N/A	N/A	N/A	N/A		
258-018	Baseboard and mastic, 5" high, grey	Hallway by room 108	None detected	N/A	N/A	N/A	N/A		
258-019	Carpet mastic	Room 109	None detected	N/A	N/A	N/A	N/A		
258-020	Baseboard and mastic, 5" high, dark brown	Room 111	None detected	N/A	N/A	N/A	N/A		
258-021	Resilient floor tile and mastic, 12" x 12", white with grey and white	Room 109	2% Chrysotile	1,410	SF	Undamaged (nonfriable)	Low		
258-022	Resilient floor tile and mastic, 12" x 12", white with grey and white	Room 109	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 021		Undamaged (nonfriable)	Low		
258-023	Sink undercoat	Room 111	20% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
258-024	Ceiling panels, 2' x 4', type 4	Room 109F	None detected	N/A	N/A	N/A	N/A		
258-025	Resilient floor tile and mastic, 9" x 9", light brown w/yellow streaks	Room 111	10-20% Chrysotile (mastic-none detected)	Ref. sample 012		Undamaged (nonfriable)	Low		
258-026	Duct insulation	Room 109F	None detected	N/A	N/A	N/A	N/A		

82-413

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
258-027	Resilient floor tile, 24" x 12", dark red	Room 111	15% Chrysotile	Ref. sample 012		Undamaged (nonfriable)	Low		
258-028	Resilient floor tile and mastic, 24" x 12", dark red	Room 111	15-30% Chrysotile (mastic-none detected)	Ref. sample 012		Undamaged (nonfriable)	Low		
258-029	Resilient floor tile & mastic, 9" x 9", grey w/ black streaks	Room 115A	2% Chrysotile (mastic->1% asbestos)	1,030	SF	Undamaged (nonfriable)	Low		
258-030	Resilient floor tile & mastic, 9" x 9", grey w/ black streaks	Room 115	5-15% Chrysotile (mastic->1% asbestos)	Ref. sample 029		Undamaged (nonfriable)	Low		
258-031	Pipe end textured paint and plaster	West crawl space	None detected	N/A	N/A	N/A	N/A		
258-032	Pipe end textured paint/plaster material	West crawl space	5-12% Chrysotile	5	EA	Undamaged (nonfriable)	Low		
258-033	Pipe joint insulation, (elbow)	West crawl space	None detected	N/A	N/A	N/A	N/A		
258-034	Pipe joint insulation, (elbow)	West crawl space	None detected	N/A	N/A	N/A	N/A		
258-035	Resilient sheet flooring and mastic, orange w/ light brown and dark brown swirls	Men's restroom room 118F	20% Chrysotile (mastic-none detected)	240	SF	Undamaged (nonfriable)	Low		
258-036	Resilient sheet flooring and mastic, orange w/ light brown and dark brown swirls	Men's restroom room 118e	30-40% Chrysotile (mastic-none detected)	Ref. sample 035		Undamaged (nonfriable)	Low		
258-037	Plaster composite	Room 118A	None detected	N/A	N/A	N/A	N/A		
258-038	Ceiling tiles, 12" x 12", type 2	Hallway by room 118	None detected	N/A	N/A	N/A	N/A		

82-414

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
258-039	Joint compound	Hallway by room 118	None detected	N/A	N/A	N/A	N/A		
258-040	Resilient floor tile and mastic, 12"x12", white w/ tan streaks	Room 118D	2% Chrysotile (mastic->1% asbestos)	480	SF	Undamaged (nonfriable)	Low		
258-041	Resilient floor tile and mastic, 12" x 12", white w/ tan streaks	Room 118D	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 040		Undamaged (nonfriable)	Low		
258-042	Carpet mastic	Room 118B2	None detected	N/A	N/A	N/A	N/A		
258-043	Leveling compound with carpet mas	Room 118B2	None detected	N/A	N/A	N/A	N/A		
258-044	Baseboard w/ mastic, 5" high, orang	Room 137A	None detected	N/A	N/A	N/A	N/A		
258-045	Baseboard w/ mastic, 5" high, orang	Room 137A	None detected	N/A	N/A	N/A	N/A		
258-046 / 12-06-96	Debris (suspect TSI)	East crawl space	20% Amosite 20% Chrysotile	300	SF	Significantly damaged (friable)	High	3	Remove
258-047 / 12-06-96	Debris (suspect TSI)	East crawl space	35-40% Amosite 15-20% Chrysotile	Ref. sample 047		Significantly damaged (friable)	High	3	Remove
258-048	Resilient floor tile and mastic, 12" x 12", grey (wood grain)	Room 123G	20% Chrysotile	1,590	SF	Undamaged (nonfriable)	Low		
258-049	REMOVED								
258-050	Resilient floor tile and mastic, 12" x 12", grey (wood grain)	Room 123E	15-20% Chrysotile (mastic-none detected)	Ref. sample 048		Undamaged (nonfriable)	Low		
258-051	Resilient floor tile and mastic, 12" x 12", white with olive streaks	Room 123J	None detected	N/A	N/A	N/A	N/A		
258-052	Resilient floor tile and mastic, 12" x 12", white with olive streaks	Room 123J	None detected	N/A	N/A	N/A	N/A		

82-415

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
258-053	Resilient floor tile and mastic, 12" x 12", dark brown with orange streaks (with mastic attached)	Room 125	15% Chrysotile	300	SF	Undamaged (nonfriable)	Low		
258-054	Resilient floor tile & mastic, 12" x 12", dark brown with orange streaks	Room 125	3-10% Chrysotile (mastic-none detected)	Ref. sample 053		Undamaged (nonfriable)	Low		
258-055	Baseboard, 5" high, cream	Room 125	None detected	N/A	N/A	N/A	N/A		
258-056	Ceiling tile mastic	Room 125	None detected	N/A	N/A	N/A	N/A		
258-057	Ceiling tile mastic	Room 125	None detected	N/A	N/A	N/A	N/A		
258-058	Ceiling panels, 2' x 4', type 1	Room 129	None detected	N/A	N/A	N/A	N/A		
258-059	Baseboard, 5" high, cream	Hallway by room	None detected	N/A	N/A	N/A	N/A		
258-060	Ceiling panels, 2' x 4', type 8	Room 126	None detected	N/A	N/A	N/A	N/A		
258-061	Ceiling panels, 2' x 4', type 8	Room 126	None detected	N/A	N/A	N/A	N/A		
258-062	Resilient floor tile and mastic, 12" x 12", white with small brown streaks	Room 127	None detected	N/A	N/A	N/A	N/A		
258-063	Resilient floor tile and mastic, 12" x 12", white with small brown streaks	Room 127	None detected	N/A	N/A	N/A	N/A		
258-064	Resilient floor tile and mastic, 12" x 12", grey	Room 129E (below carpet)	20% Chrysotile	Ref. sample 048		Undamaged (nonfriable)	Low		
258-065 / 12-06-95	REMOVED								
258-066 / 12-06-95	Pipe run insulation, 3" OD	Room 128G	5-12% Chrysotile	30	LF	Damaged (friable)	Moderate	2	Cap ends

82-416

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
258-067 / 12-06-95	Pipe run insulation, 3" OD	Room 128G	5% Chrysotile	Ref. sample 066		Damaged (friable)	Moderate	2	Cap ends
258-068 / 12-06-95	Pipe joint insulation, 4" OD (elbow)	Room 128G	40% Chrysotile	2	EA	Damaged (friable)	Moderate	2	Remove
258-069 / 12-06-95	Pipe joint insulation, 4" OD (elbow)	Room 128G	35-45% Amosite 5-15% Chrysotile	Ref. sample 068		Damaged (friable)	Moderate	2	Remove
258-070	Debris (suspect TSI)	Basement	None detected	N/A	N/A	N/A	N/A		
258-071 / 12-06-95	Debris (suspect TSI)	Basement	35-40% Amosite 10-20% Chrysotile	300	SF	Significantly damaged (friable)	High	3	Remove
258-072	Resilient floor tile and mastic, 9" x 9", red w/black and white patches	Entrance by room 224	20% Chrysotile	Ref. sample 073		Undamaged (nonfriable)	Low		
258-073	Resilient floor tile and mastic, 9" x 9", pink-brown w/black patches (underneath carpet)	Hallway by room 217	20% Chrysotile	5,260	SF	Undamaged (nonfriable)	Low		
258-074	Resilient floor tile and mastic, 9" x 9", pink-brown w/black patches (underneath carpet)	Hallway by room 217	20% Chrysotile	Ref. sample 073		Undamaged (nonfriable)	Low		
258-075	Baseboard and mastic, 5" high, olive	Room 213	None detected	N/A	N/A	N/A	N/A		
258-076	Baseboard and mastic, 5" high, olive	Room 213	None detected	N/A	N/A	N/A	N/A		
258-077	Ceiling panels, 2' x 4', type 5	Room 213	None detected	N/A	N/A	N/A	N/A		
258-078	Ceiling tiles, 12" x 12", type 9	Hall by room 224	None detected	N/A	N/A	N/A	N/A		

82.417

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	ACM Condition and Friability	Potential Exposure	Priority	Response
258-079	Resilient floor tile and mastic, 9" x 9", pink-brown w/black patches.	Room 215	25-40% Chrysotile (mastic->1% asbestos)	Ref. sample 073	Undamaged (nonfriable)	Low		
258-080	Plaster composite	Pipe chase by room 221	None detected	N/A	N/A	N/A		
258-081	Resilient floor tile and mastic, 9" x 9", yellow-gold w/ black patches (carpet mastic attached)	Hallway by room 221 (below carpet)	20-30% Chrysotile (mastic->1% asbestos)	Ref. sample 073	Undamaged (nonfriable)	Low		
258-082	Baseboard and mastic, 5" high, black	Room 218	None detected	N/A	N/A	N/A		
258-083	Baseboard and mastic, 5" high, black	Room 219	baseboard-none detect (mastic->1% asbestos)	50 SF	Undamaged (nonfriable)	Low		
258-084	Resilient floor tile and mastic, 12" x 12", white w/ light grey streaks	Room 219	5% Chrysotile	130 SF	Undamaged (nonfriable)	Low		
258-085	Resilient floor tile and mastic, 12" x 12", white w/ light grey streaks	Room 219	2-5% Chrysotile (mastic->1% asbestos)	Ref. sample 084	Undamaged (nonfriable)	Low		
258-086	Ceiling panels, 2' x 4', type 1	Hall by room 220L	None detected	N/A	N/A	N/A		
258-087	Carpet mastic	Hall by room 221	None detected	N/A	N/A	N/A		
258-088	Resilient floor tile and mastic, 9" x 9", tan w/ dark brown streaks (carpet mastic attached)	Hallway by room 222C (below carpet)	20% Chrysotile	Ref. Sample 002	Undamaged (nonfriable)	Low		
258-089	Ceiling panels, 2' x 4', type 3	Room 222E	None detected	N/A	N/A	N/A		
258-090	Ceiling panels, 2' x 4', type 3	Room 222G	None detected	N/A	N/A	N/A		

82.418

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
258-091	Baseboard and mastic, 5" high, light grey	Room 201	None detected	N/A	N/A	N/A	N/A		
258-092	Baseboard and mastic, 5" high, light grey	Room 201	None detected	N/A	N/A	N/A	N/A		
258-093	Resilient sheet flooring, orange	Room 204A	None detected	N/A	N/A	N/A	N/A		
258-094	Resilient sheet flooring, orange	Room 204A	None detected	N/A	N/A	N/A	N/A		
258-095	Joint compound	Room 204A	None detected	N/A	N/A	N/A	N/A		
258-096	Resilient sheet flooring, light grey w/ dark grey streaks	Room 204B	None detected	N/A	N/A	N/A	N/A		
258-097	Resilient sheet flooring, light grey w/ dark grey streaks	Room 204B	None detected	N/A	N/A	N/A	N/A		
258-098	Resilient floor tile and mastic, 12" x 12", white w/ light grey, brown and black streaks	Hallway by room 206	Floor tile-none detecte (mastic->1% asbestos)	1,950	SF	Undamaged (nonfriable)	Low		
258-099	Resilient floor tile and mastic, 12" x 12", beige w/ grey-white dots	Room 206H	2% Chrysotile	30	SF	Undamaged (nonfriable)	Low		
258-100	Resilient floor tile and mastic, 12" x 12", beige w/ grey-white dots	Room 206H	None detected	N/A	N/A	N/A	N/A		
258-101	Baseboard and mastic, 3" high, black	Room 206A	None detected	N/A	N/A	N/A	N/A		
258-102	Baseboard and mastic, 3" high, black	Room 206A	None detected	N/A	N/A	N/A	N/A		
258-103	Resilient floor tile and mastic, 12" x 12", white w/ light grey, brown and black streaks	Hallway by room 208	None detected	N/A	N/A	N/A	N/A		

82-419

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
258-104	Resilient floor tile and mastic, 12" x 12", dark brown with white streaks	Hallway by room 208L	5% Chrysotile	840	SF	Undamaged (nonfriable)	Low		
258-105	Resilient floor tile and mastic, 12" x 12", white w/ light grey, brown and black streaks	Room 208F	None detected	N/A	N/A	N/A	N/A		
258-106	Resilient floor tile and mastic, 12" x 12", dark brown with white streaks	Room 208F	1-5% Chrysotile	Ref. sample 104		Undamaged (nonfriable)	Low		
258-107	Resilient floor tile and mastic, 12" x 12", dark brown with white streaks	Hallway by room 208D	2% Chrysotile	Ref. sample 104		Undamaged (nonfriable)	Low		
258-108	Resilient floor tile and mastic, 12" x 12", white with dark grey and light brown and grey streaks	Room 208H	2% Chrysotile	220	SF	Undamaged (nonfriable)	Low		
258-109	Resilient floor tile and mastic, 12" x 12", white with dark grey and light brown and grey streaks	Room 208H	None detected	N/A	N/A	N/A	N/A		
258-110/ 12-08-95	Duct insulation (aircell)	Hallway by room 208E	60% Chrysotile	Ref. sample 132		Undamaged	Low	7	Maintain
258-111	Ceiling tile, 12" x 12", type 9	Room 207	None detected	N/A	N/A	N/A	N/A		
258-112	Plaster composite	Room 213	None detected	N/A	N/A	N/A	N/A		
258-113	Sink undercoat	Room 344	None detected	N/A	N/A	N/A	N/A		
258-114	Ceiling panel, 2' x 4', type 5	Room 344	None detected	N/A	N/A	N/A	N/A		

82-420

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
258-115	Resilient sheet flooring, grey and beige dots	Room 341	40% Chrysotile	1,670	SF	Undamaged (nonfriable)	Low		
258-116	Resilient sheet flooring, grey and beige dots	Room 340	15-20% Chrysotile	Ref. sample 116		Undamaged (nonfriable)	Low		
258-117	Resilient sheet flooring, grey and beige dots	Room 340	10-20% Chrysotile	Ref. sample 116		Undamaged (nonfriable)	Low		
258-118/ 12-08-95	Pipe run insulation, 5" OD	Pipe chase by room 339	20% Amosite	15	LF	Significantly damaged (friable)	High	3	Remove
258-119	Pipe run insulation, 3" OD	Pipe chase by room 339	None detected	N/A	N/A	N/A	N/A		
258-120/ 12-08-95	Debris (suspect TSI)	Pipe chase by room 339	40% Amosite 40% Chrysotile	60	SF	Significantly damaged (friable)	High	3	Remove
258-121/ 12-08-95	Pipe joint insulation, 3" OD (elbow)	Pipe chase by room 339	40% Amosite	8	EA	Damaged (friable)	High	3	Cap ends & Patch
258-122	Pipe joint insulation, 3" OD (elbow)	Pipe chase by room 339	None detected	N/A	N/A	N/A	N/A		
258-123/ 12-08-95	Pipe joint insulation, 5" OD (elbow)	Pipe chase by room 339	20% Amosite 20% Chrysotile	2	EA	Damaged (friable)	High		Cap ends & Patch
258-124	Asbestos cement (transite) pipe, 12" OD	Attic	30% Chrysotile 10% Crocidolite	8	LF	Undamaged (nonfriable)	Low		
258-125	Asbestos cement (transite) pipe, 9" OD	Attic	15-20% Chrysotile 30-40% Crocidolite	8	LF	Undamaged (nonfriable)	Low		
258-126	Flexible connector/vibration damper	Attic	None detected	N/A	N/A	N/A	N/A		
258-127	Flexible connector/vibration damper	Attic	None detected	N/A	N/A	N/A	N/A		

82-421

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
258-128	Flexible connector/vibration damper	Attic	None detected	N/A	N/A	N/A	N/A		
258-129	Pipe joint insulation, 3" OD, (elbow)	Attic	None detected	N/A	N/A	N/A	N/A		
258-130	Pipe joint insulation, 3" OD, (elbow)	Attic	None detected	N/A	N/A	N/A	N/A		
258-131	Pipe joint insulation, 3" OD, (elbow)	Attic	None detected	N/A	N/A	N/A	N/A		
258-132/ 12-08-95	Duct insulation (aircell)	West Attic	80-94% Chrysotile	1,210	SF	Slightly damaged (friable)	Low	6	Patch
258-133/ 12-08-95	Duct insulation (aircell)	West Attic	60% Chrysotile	Ref. sample 132		Slightly damaged (friable)	Low	6	Patch
258-134/ 12-06-95	Duct insulation (aircell)	West Attic	85-95% Chrysotile	Ref. sample 132		Slightly damaged (friable)	Low	6	Patch
258-135	Canvas tape	Attic	None detected	N/A	N/A	N/A	N/A		
258-136	VOID	VOID	VOID			VOID	VOID		
258-137	Baseboard, 5" high, grey	Room 302B	None detected	N/A	N/A	N/A	N/A		
258-138	Baseboard and mastic, 5" high, dark brown	Room 302	None detected	N/A	N/A	N/A	N/A		
258-139/ 12-06-95	Debris (suspect TSI)	Pipe chase in room 302E	60% Chrysotile	20	SF	Significantly damaged (friable)	High	3	Remove
258-140	Pipe run insulation, 3" OD	Pipe chase in room 3	None detected	N/A	N/A	N/A	N/A		
258-141/ 12-06-95	Pipe run insulation, 3" OD	Pipe chase in room 302E	5% Chrysotile	30	LF	Damaged (friable)	High	4	Cap ends
258-142/ 12-06-95	Pipe elbow insulation, 3" OD	Pipe chase in room 302E	5-10% Amosite 40-50% Chrysotile	10	EA	Damaged (friable)	High	4	Patch

82-422

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
258-143 / 12-06-95	Pipe elbow insulation, 3" OD	Pipe chase in room 302E	10% Amosite	Ref. sample 142	Damaged (friable)	High	4	Patch	
258-144	Duct insulation	Room 310	None detected	N/A	N/A	N/A			
258-145	Flexible connector/vibration damper	Attic	None detected	N/A	N/A	N/A			
258-146	Canvas tape	Attic	None detected	N/A	N/A	N/A			
258-147	Asbestos cement (transite) plenum chamber	Attic	40% Amosite	1	EA	Undamaged (nonfriable)	Low		
258-148	Asbestos cement (transite) plenum chamber	Attic	15-20% Chrysotile	Ref. sample 147	Undamaged (nonfriable)	Low			
258-149	Patching compound	Pipe chase near room	None detected	N/A	N/A	N/A			
258-150	Ceiling panel, 2' x 4', type 6	Hallway by room 316	None detected	N/A	N/A	N/A			
258-151	Ceiling panel, 2' x 4', type 5	Hallway by room 316	None detected	N/A	N/A	N/A			
258-152	Ceiling panel, 2' x 4', type 6	Hallway by room 320	None detected	N/A	N/A	N/A			
258-153	Baseboard and mastic, 3" high, brow	Hallway by room 316	None detected	N/A	N/A	N/A			
258-154	Baseboard and mastic, 3" high, brow	Hallway by room 316	None detected	N/A	N/A	N/A			
258-155 12-08-95	Pipe run insulation, 4" OD	East Attic	20% Amosite	30	LF	Damaged (friable)	Low moderate	4 Patch	
258-156 12-08-95	Pipe run insulation, 4" OD	East Attic	10% Amosite	Ref. sample 155	Slightly damaged (friable)	Low	5	Patch	
258-157 12-08-95	Pipe run insulation, 4" OD	East Attic	10% Amosite	35	LF	Slightly damaged (friable)	Low	5 Patch	
258-158	Pipe run insulation, 4" OD	Attic	None detected	N/A	N/A	N/A			

82-423

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
258-159/ 12-08-95	Duct insulation (aircell)	East Attic	80% Chrysotile	Ref. sample	132	Undamaged (friable)	Low	6	Patch
258-160/ 12-08-95	Duct insulation (aircell)	East Attic	70-80% Chrysotile	Ref. sample	132	Undamaged (friable)	Low	6	Patch
258-161	Ceiling panel, 2' x 4', type 6	Hall by room 400	None detected	N/A	N/A	N/A	N/A		
258-162	Sink undercoat	Room 403	10% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
258-163	Ceiling tile mastic	Room 412	None detected	N/A	N/A	N/A	N/A		
258-164	Exterior stucco	South side	None detected	N/A	N/A	N/A	N/A		
258-165	Exterior stucco	Southwest side	5-15% Chrysotile	54,150	SF	Undamaged (nonfriable)	Low		
258-166	Exterior stucco	Southeast side	None detected	N/A	N/A	N/A	N/A		
258-167	Mastic on pipe insulation	Exterior, Northeast HVAC equipment	2% Chrysotile	15	LF	Undamaged (nonfriable)	Low		
258-168	Pipe end textured paint	Exterior, Northeast HVAC equipment	None detected	N/A	N/A	N/A	N/A		
258-169	Resilient floor tile, 9" x 9", red with black and white patches	Room 208D	20% Chrysotile	Ref. sample	002	Undamaged (nonfriable)	Low		
258-170	Resilient floor tile, 9" x 9", red with black and white patches	Room 207	30-35% Chrysotile	Ref. sample	002	Undamaged (nonfriable)	Low		
258-171	Asbestos cement (transite) plenum chamber	Attic	20% Chrysotile	2	EA	Undamaged (nonfriable)	Low		
258-172	VOID	VOID	VOID	VOID	VOID	VOID	VOID		

82.424

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
258-173	VOID	VOID	VOID	VOID	VOID	VOID	VOID		
258-174	VOID	VOID	VOID	VOID	VOID	VOID	VOID		
258-175	Ceiling panel, 2' x 4', type 7	Room 123E	None detected	N/A	N/A	N/A	N/A		
258-176	Ceiling panel, 2' x 4', type 7	Room 128D	None detected	N/A	N/A	N/A	N/A		
258-177	Ceiling panel, 2' x 4', type 10	Room 305	None detected	N/A	N/A	N/A	N/A		
258-178	Ceiling panel, 2' x 4', type 10	Room 308	None detected	N/A	N/A	N/A	N/A		
258-179	Roofing mastic	Roof	40% Chrysotile	20	SF	Undamaged (nonfriable)	Low		
258-180	Roofing mastic	Roof	10-20% Chrysotile	Ref. sample 179		Undamaged (nonfriable)	Low		
258-181	Resilient floor tile, 9" x 4", red with black and white patches	Hallway by room 224	20% Chrysotile	Ref. sample 073		Undamaged (nonfriable)	Low		
258-182	Asbestos cement (transite) panel at radiator	Room 302C	35% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
258-183	Asbestos cement (transite) panel at radiator	Room 220M	35% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
258-184	Asbestos cement (transite) panel at radiator	Room 113	35% Chrysotile	1	EA	Undamaged (nonfriable)	Low		
258-185	Exterior stucco	South side	None detected	N/A	N/A	N/A	N/A		
258-186	Exterior stucco	South side on east wing	None detected	N/A	N/A	N/A	N/A		

82-425

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
258-187	Exterior stucco	North side on west wing	None detected	N/A	N/A	N/A	N/A		

NOTES:

- 1) Ref. 258-121/123/141 to 143. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref. 258-032/066 to 069/118/121/123/139/141 to 143/155 to 157/167. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 5) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 6) Ref. 258-023/113/162. Sink Undercoat is typically a black, cream, or grey material found on the underside of many stainless steel sinks throughout the VA Hospital complex. The black, grey, and some of the cream material has been found to be asbestos-positive. The newer material appears to be a white fibrous material which has been found to be asbestos-negative. It is difficult to accurately estimate the number of sinks which have asbestos-containing sink undercoat material without sampling each individual sink in question. Therefore, the number listed in the ACM Quantity column is the number of asbestos-positive sinks in that area.
- 7) In some rooms several different types of resilient floor tile may be present. For convenience, and in instances where the asbestos-containing RFT comprises the majority of the floor area, all floor tiles have been combined together because the entire room will be abated, not just the asbestos-containing RFT. This is as follows:
9" x 9" tan with dark brown streaks RFT includes 9" x 9" red with black and white patches RFT (border tiles) in rooms 210A, 208B, 208D, 208J, 207, 211, and 210. 9" x 9" light brown with yellow streaks RFT includes 24" x 12" dark red RFT (border tiles) in room 111.
9" x 9" dark brown with black patches RFT includes 9" x 9" yellow-gold with black patches and 9" x 4" red with black and white patches RFT (border tiles) located throughout the building. 12" x 12" dark brown with white streaks RFT includes 12" x 12" white with light grey, brown and black streaks RFT in room 208A.

82-426

- 8) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 9) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.
- 10) Ref. 258-179/180. Roofing mastic. Due to the steep slope and dangerous conditions of the roofing system of this building, only two samples of roofing mastic were taken. The quantity listed in the "ACM Quantity" column and in Section b. Material and Cost Data includes the quantity observed in the immediate sampling area.
- 11) The roofing system of this building consists of clay tiles with roofing felt below the tiles. Due to steep slope and the dangerous conditions of the roofing system, no roofing felt samples were taken. Based on the sample results of similar roofing systems at the VA Hospital Complex, there is the possibility that the roofing felt material may be asbestos-containing. Sampling of the roofing system should be completed prior to renovation of the roofing system.
- 12) Ref. 258-136/172/173/174. Due to misplacement or duplications, some samples have been voided.

82-427

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-GLAHS BUILDING 258
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN K. SPIVEY**

November 22, 2002

November 22, 2002
Contract No. V691P-6501 Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
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REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
BUILDING NO 258, VA-GLAHS WEST LA
26801 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073

Environmental Engineering, Inc. on behalf of the United States Department of Veterans Affairs, reinspected the asbestos containing materials (ACM) in Building 258 of the USVA-Greater Los Angeles Healthcare System (GLAHS) in Los Angeles, California. Mr. James Spencer, Mr. Roman Akeh and Dr. Zainul Abedin of Environmental Engineering, Inc. performed the asbestos inspection at the Site on October 31, 2002. Mr. James Spencer (CAC#92-0368) and Mr. Roman Akeh (CAC #93-1176) are California asbestos consultants and Dr. Zainul Abedin is an asbestos building inspector and management planner and an accredited Lead Inspector, Risk Assessor and a Lead Supervisor (I/S-1151) in the State of California.

Environmental Engineering Inc. performed the survey of the site structures to identify, assess, and sample suspect ACM at the Site, and to recommend, if necessary, appropriate response actions upon the findings of the survey. The survey consisted of a walk-through of the accessible areas, visual observation for the presence of potential ACM and sampling of presumed asbestos containing materials, and conditional reassessment of the known ACMs. Flooring, ceiling, carpet mastic, baseboard, textural plaster, joint compound, sink undercoat, exterior wall stucco, HVAC flexible connector/vibration damper, canvas tape, transite panels, thermal system insulation (TSI) on pipes, fittings, ducts, aircells & debris, asphaltic roofing felt & mastic were formerly sampled and tested.

Based on former sampling and testing, friable asbestos was found in the following materials throughout the building:

- 3"Φ Pipe & Fitting Insulations
- 4"Φ Pipe & Fitting Insulations
- 5"Φ Pipe & Fitting Insulations
- TSI Debris

Based on former sampling and testing, non-friable asbestos was found in the following materials throughout the building:

- 9"X9" Resilient Floor Tile & Mastic
- 12"X12" Resilient Floor Tile & Mastic
- Sink Undercoat
- Exterior Stucco Plaster
- o Resilient Sheet Flooring & Mastic
- o Transite Panels
- o Baseboard/Roofing Mastic

Some of these known asbestos containing materials were removed from the Building 258 since 1996. Approximately, 1500 square foot of floor tiles & mastic and 106 feet of friable pipe & fitting insulations were removed from various areas of the building by 2002. These abated materials are summarized in Table 1.

Based on the findings of this reinspection, significantly damaged TSI and debris remained in pipe chases of rooms 302 E and 339 that require immediate removal for regulatory compliance. In addition, undamaged to slightly damaged friable pipe & fitting insulations were observed in rooms 128G, 208E hallways and attics that require patching and maintenance. Meanwhile, most of the non-friable floor tiles, sheeting & mastic, baseboard, sink undercoat, exterior stucco and roofing mastic emained undamaged in most places that require regular maintenance and inspection for regulatory compliance. The results of this survey are summarized in Table 2 with recommended management response actions.

Environmental Engineering, Inc. conducted the asbestos inspection in accessible areas of the Site. Other conditlons may exist in inaccessible areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. This survey was performed in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature. If you have any questions concerning the methodology or the results of this survey, please contact us at (818) 547-1330.

Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,



Zainul Abedin, PhD, REA
Project Manager

Table 1 ; Asbestos Abatement In Building 258

Date	Asbestos Containing Materials	Locations/Rooms	Quantity
07/17/02	TSI Debris	Attic	100 ft ²
3 rd Qtr 99	Pipe & Fitting Insulations	309	6 ft
2 nd Qtr 99	Resilient Floor Tile & Mastic	104A	208 ft ²
		115, 115A-E	1158 ft ²
Others	Resilient Floor Tile & Mastic	123	

82-431

**Table 2: BUILDING 258, VA-GLAHS
ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 10/31/02

Materials	Location/Rooms	ACM Condition	Fraility	Potential Exposure	Priority	Response
3" Ø Pipe & Fitting Insulations	128G	Undamaged	Yes	Moderate	6	Maintain
	302E & 339 Pipe Chases	Damaged	Yes	High	3	Patch/Remove
4" Ø Pipe & Fitting Insulations	East Attic, 128G	Undamaged	Yes	Moderate	6	Maintain
	339 Pipe Chases	Significantly Damaged	Yes	High	3	Patch/Remove
Duct Insulation/Aircoil	208E Hallway, East & West Attics	Undamaged	Yes	Moderate	7	Maintain
TSI Debris	302E & 339 Pipe Chases	Significantly Damaged	Yes	High	2	Remove
9"x9" Floor Tile & Mastic	104A, 111, 115/A, 207/8D, 215, 217-218/8D-221-222C & 224 Hallways	Undamaged	No	Low	7	Maintain
	109, 118D, 125, 128E, 138-208DL Hallway, 208/H, 208/FH, 219	Undamaged	No	Low	7	Maintain
24"x12" Floor Tile & Mastic	111	Undamaged	No	Low	7	Maintain
Sheet Flooring & Mastic	118E/F, 340/1	Undamaged	No	Low	7	Maintain
Baseboard Mastic	219	Undamaged	No	Low	7	Maintain
Sink Undercoat	403	Undamaged	No	Low	7	Maintain
Trenches Pipes & Panels	113, 220H, 302C, Attic	Undamaged	No	Low	7	Maintain
Exterior Stucco	Southwest side wall	Undamaged	No	Low	7	Maintain
HVAC Pipe/Duct Mastic	NE Exterior	Undamaged	No	Low	7	Maintain
Roofing Mastic	Roof	Undamaged	No	Low	7	Maintain

Notes : 1. TSI Debris : None in basement, attics & other spaces. Severe damages and debris in 302E & 339 pipe chases. No TSI damage in room 128G
 2. 12"x12" Floor tiles : None in room 128E/G -carpeted on concrete 3. Sink Undercoat : None in room 111.

82-142

c. Sampling Records

BUILDING 259									
Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
259-001	Joint compound	Near front door	None detected	N/A	N/A	N/A	N/A		
259-002	Joint compound	Near front door	None detected	N/A	N/A	N/A	N/A		
259-003	Joint compound	Near front door	10% Chrysotile	N/A	N/A	N/A	N/A		
259-004	Resilient floor tile, 9" x 9", grey w/black and yellow streaks	Restroom	10% Chrysotile	30	SF	Undamaged (nonfriable)	Low		
259-005	Resilient floor tile and mastic, 9" x 9", grey with black and yellow streaks	Restroom	10-15% Chrysotile (mastic->1% asbestos)	Ref. sample 004		Undamaged (nonfriable)	Low		
259-006	Resilient floor tile and mastic, 9" x 9", grey with black and yellow streaks	Restroom	8-15% Chrysotile (mastic->1% asbestos)	Ref. sample 004		Undamaged (nonfriable)	Low		
259-007	Resilient floor tile, 12" x 12", white w/brown streaks	Office	None detected	N/A	N/A	N/A	N/A		
259-008	Resilient floor tile, 12" x 12", white w/brown streaks	Office	None detected	N/A	N/A	N/A	N/A		
259-009	Resilient floor tile, 12" x 12", white w/brown streaks	Office	None detected	N/A	N/A	N/A	N/A		
259-010	Pipe run insulation, 3" OD	Restroom	None detected	N/A	N/A	N/A	N/A		
259-011	Pipe run insulation, 3" OD	Restroom	None detected	N/A	N/A	N/A	N/A		

82-433

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
259-012/ 12-18-95	Pipe joint insulation, 3"OD, (elbow)	Pipe chase by restroom	40% Amosite 10% Chrysotile	15	EA	Slightly damaged (friable)	Low	6	Patch
259-013	Pipe run insulation, 3"OD	Pipe chase by restroom	None detected	N/A	N/A	N/A	N/A		

NOTES:

- 1) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 2) Ref. 259-012. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 5) The roofing system of this building was inaccessible and no roofing material samples were taken. This roof appears to be a flat, built-up roof. Sampling of the roofing system should be completed prior to renovation of the roofing system.

82-424

c. Sampling Records

BUILDING 262

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
262-001 / 01-09-96	Pipe run insulation, 3" OD	Room 101	10% Amosite	5	LF	Damaged (friable)	High	2	Cap ends & Patch
262-002 / 01-09-96	Pipe joint insulation, 3" OD (elbow)	Room 101	10% Amosite	2	EA	Damaged (friable)	High	2	Patch
262-003 / 01-09-96	Pipe run insulation, 3" OD	Room 101	20% Amosite 10% Chrysotile	75	LF	Damaged (friable)	High	2	Cap ends & Patch
262-004 / 01-09-96	Pipe run insulation, 3" OD	Room 102	20% Amosite	12	LF	Undamaged (friable)	Moderate	7	Maintain
262-005	Resilient sheet flooring, red, textured	Room 108	None detected	N/A	N/A	N/A	N/A		
262-006	Resilient sheet flooring, red, textured	Room 108	None detected	N/A	N/A	N/A	N/A		
262-007	Resilient sheet flooring, red, textured	Room 108	None detected	N/A	N/A	N/A	N/A		
262-008	Resilient sheet flooring, red	Room 108	None detected	N/A	N/A	N/A	N/A		
262-009	Resilient sheet flooring, red	Room 108	None detected	N/A	N/A	N/A	N/A		
262-010 / 01-09-96	Pipe run insulation (at radiator, hard tape)	Room 102	90% Chrysotile	2	LF	Undamaged (nonfriable)	Moderate	7	Maintain
262-011	Roofing composite	Roof, upper	None detected	N/A	N/A	N/A	N/A		

82-1-15

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
262-012	Roofing composite	Roof, lower	None detected	N/A	N/A	N/A	N/A		
262-013	Roofing composite	Roof, lower	None detected	N/A	N/A	N/A	N/A		
262-014	Roofing felt	Roof, lower, under metal flashing	None detected	N/A	N/A	N/A	N/A		
262-015	Roofing felt	Roof, lower, under metal flashing	None detected	N/A	N/A	N/A	N/A		
262-016	Roofing cap sheet	Ramp, loading dock	None detected	N/A	N/A	N/A	N/A		
262-017	Roofing cap sheet	Ramp, loading dock	None detected	N/A	N/A	N/A	N/A		
262-018 / 01-09-96	Pipe run insulation, 5" OD	Crawl space, under building	40% Amosite	65	LF	Significantly damaged (friable)	High	3	Remove
262-019 / 01-09-96	Pipe run insulation, 5" OD	Crawl space, under building	60% Chrysotile	Ref. sample 018		Significantly damaged (friable)	High	3	Remove
262-020 / 01-09-96	Pipe run insulation, 3" OD	Crawl space, under building	60% Chrysotile	30	LF	Significantly damaged (friable)	High	3	Remove
262-021 / 01-09-96	Pipe run insulation, 3" OD	Crawl space, under building	60% Chrysotile	Ref. sample 020		Significantly damaged (friable)	High	3	Remove
262-022	Exterior stucco	North	None detected	N/A	N/A	N/A	N/A		
262-023	Exterior stucco	North	None detected	N/A	N/A	N/A	N/A		
262-024	Exterior stucco	West	None detected	N/A	N/A	N/A	N/A		

82-436

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
262-025	Roofing cap sheet and Roofing felt	Roof, dock	None detected	N/A	N/A	N/A	N/A		
262-026	Roofing cap sheet and Roofing felt	Roof, dock	None detected	N/A	N/A	N/A	N/A		
262-027	Roofing cap sheet with mastic on top	Roof, dock	10% Chrysotile	100	LF	Significantly damaged (nonfriable)	High		

NOTES:

- 1) Ref. 262-001 to 003. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref. 262-001 to 004/010/018 to 021. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transite piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber, or cork, or if further sampling results show non-detection for asbestos.
- 6) Ref. 262-025/026/027. Roofing cap sheet and roofing felt. The roofing cap sheet and roofing felt on top of the loading dock appears to be asbestos-negative. Roofing mastic (approximately 100 LF) has been used to repair the roof. The roofing mastic appears to be asbestos-positive.
- 7) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.

82-437

c. Sampling Records

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
BUILDING 263									
263-001	Roof composite	Roof	None detected	N/A	N/A	N/A	N/A		
263-002	Roof composite	Roof	None detected	N/A	N/A	N/A	N/A		
263-003	Penetration mastic	Roof	80% Chrysotile	75	SF	Damaged (nonfriable)	Low		
263-004	Penetration mastic	Roof	5-15% Chrysotile	Ref. sample 003		Damaged (nonfriable)	Low		
263-005	Flex connector/vibration damper	North wall	None detected	N/A	N/A	N/A	N/A		
263-006	Flex connector/vibration damper	North wall	None detected	N/A	N/A	N/A	N/A		
263-007	Asbestos cement (transite) pipe, 4" OD	Roof	40-50% Chrysotile 5-10% Crocidolite	10	LF	Undamaged (nonfriable)	Low		
263-008	Asbestos cement (transite) pipe, 4" OD	Roof	40% Chrysotile	10	LF	Undamaged (nonfriable)	Low		
263-009	Exterior stucco	South side	None detected	N/A	N/A	N/A	N/A		
263-010	Resilient floor tile and mastic, 12" x 12", white	Room by room 39	2% Chrysotile	950	SF	Undamaged (nonfriable)	Low		
263-011	Resilient floor tile and mastic, 12" x 12", white	Room by room 39	3-8% Chrysotile (mastic->1% asbestos)	Ref. sample 010		Undamaged (nonfriable)	Low		
263-012	Baseboard and mastic, 3" high, black	Room by room 39	None detected	N/A	N/A	N/A	N/A		

82-438

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
263-013	Resilient floor tile and mastic, 12"x12", white	Room by room 39	2% Chrysotile (mastic->1% asbestos)	Ref. sample 010		Undamaged (nonfriable)	Low		
263-014	Baseboard and mastic, 3" high, black	Room by room 39	None detected	N/A	N/A	N/A	N/A		
263-015	Baseboard and mastic, 3" high, brown	Room 39	None detected	N/A	N/A	N/A	N/A		
263-016	Baseboard and mastic, 3" high, brown	Room 39	None detected	N/A	N/A	N/A	N/A		
263-017	Resilient floor tile and mastic, 9" x 9", light red w/ black streaks	Lab #1	20% Chrysotile	65	SF	Damaged (nonfriable)	Low		
263-018	Resilient floor tile and mastic, 9" x 9", light red w/ black streaks	Lab #1	15-25% Chrysotile (mastic->1% asbestos)	Ref. sample 017		Undamaged (nonfriable)	Low		
263-019	Resilient floor tile and mastic, 9" x 9", light red w/ black streaks	Lab #1	15-20% Chrysotile (mastic->1% asbestos)	Ref. sample 017		Undamaged (nonfriable)	Low		
263-020	Resilient floor tile and mastic, 9" x 9", dark red w/yellow and white	Lab #1	20% Chrysotile	2,950	SF	Undamaged (nonfriable)	Low		
263-021	Resilient floor tile and mastic, 9" x 9", dark red w/yellow and white	Lab #1	2-6% Chrysotile	Ref. sample 020		Undamaged (nonfriable)	Low		
263-022	Resilient floor tile and mastic, 9" x 9", dark red w/yellow and white	Lab #1	20% Chrysotile	Ref. sample 020		Damaged (nonfriable)	Low		
263-023	Resilient floor tile and mastic, 9" x 9", white	Lab #2	5% Chrysotile	550	SF	Damaged (nonfriable)	Low		
263-024	Resilient floor tile and mastic, 9" x 9", white	Lab #2	5-25% Chrysotile	Ref. sample 023		Undamaged (nonfriable)	Low		

f2-489

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
263-025	Resilient floor tile and mastic, 9" x 9", white	Lab #2	5% Chrysotile	Ref. sample 023		Damaged (nonfriable)	Low		
263-026	Wall tile and mastic, 12" x 12"	Lab #2	None detected	N/A	N/A	N/A	N/A		
263-027	Wall tile and mastic, 12" x 12"	Lab #2	None detected	N/A	N/A	N/A	N/A		
263-028	Wall tile and mastic, 12" x 12"	Lab #2	None detected	N/A	N/A	N/A	N/A		
263-029	Ceiling panel, 2' x 4'	Lab #2	None detected	N/A	N/A	N/A	N/A		
263-030	Ceiling panel, 2' x 4'	Lab #2	None detected	N/A	N/A	N/A	N/A		
263-031	Ceiling panel, 2' x 4'	Office	None detected	N/A	N/A	N/A	N/A		
263-032	Exterior stucco	North side	None detected	N/A	N/A	N/A	N/A		
263-033	Pipe joint insulation, 6" OD (elbow)	Room 39 (restroom)	20% Amosite	2	EA	Undamaged (friable)	Low		
263-034	Pipe run insulation, 6" OD	Room 39 (restroom)	20-30% Amosite 25-35% Chrysotile	20	LF	Undamaged (friable)	Low		
263-035	Pipe run insulation, 6" OD	Lab #1	20% Amosite	50	LF	Undamaged (friable)	Low		
263-036	Pipe run insulation, 6" OD	Lab #1	35-40% Amosite 10-15% Chrysotile	50	LF	Undamaged (friable)	Low		
263-037	Pipe run insulation, 6" OD	Lab #1	20% Amosite	50	LF	Undamaged (friable)	Low		
263-038	Pipe joint insulation, 6" OD (elbow)	Office	20% Amosite 5% Chrysotile	1	EA	Undamaged (friable)	Low		

82-440

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
263-039	Pipe joint insulation, 3" OD (elbow)	Lab #2	20-25% Amosite 5-10% Chrysotile	1	EA	Undamaged (friable)	Low		
263-040	Pipe run insulation, 3" OD	Lab #2	35-40% Amosite 15-20% Chrysotile	50	LF	Undamaged (friable)	Low		
263-041	Pipe run insulation, 3" OD	Lab #2	20% Amosite	Ref. sample 040		Undamaged (friable)	Low		
263-042	Ceiling tile, 12" x 12"	Lab #2	None detected	N/A	N/A	N/A	N/A		
263-043	Ceiling tile mastic	Lab #2	None detected	N/A	N/A	N/A	N/A		
263-044	Ceiling tile, 12" x 12"	Office	None detected	N/A	N/A	N/A	N/A		
263-045	Ceiling tile, 12" x 12"	Lab #1	None detected	N/A	N/A	N/A	N/A		
263-046	Ceiling tile, 12" x 12"	Lab #1	None detected	N/A	N/A	N/A	N/A		

82-411

NOTES:

- 1) The potential exposure designation for ACMs is based on the vacancy conditions found in the building at the time of the initial asbestos survey; the surveyed building was vacant at the time of the asbestos survey. Once the use of the surveyed area changes, the potential for damage should be reassessed and appropriate management procedures implemented.
 - 2) Ref. 263-033 to 041. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts Section b. Material and Cost Data.
 - 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
 - 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
 - 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber, or cork, or if further sampling results show non-detection for asbestos.
 - 6) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.
 - 7) In some rooms several different types of resilient floor tile may be present. In instances where the asbestos-containing RFT comprises the majority of the floor area, all floor tiles have been combined together when calculating the total square footage of materials to be abated. This is as follows: 9" x 9" dark red with yellow and white RFT includes 9" x 9" light red with black streaks RFT in Lab #1; 9" x 9" white RFT includes 9" x 9" light red with black streaks RFT and 9" x 9" dark red with yellow and white in Lab #2.
- Building 263 was vacant and locked at time of survey (01/96); no access, and per Randy Marcus of VA - WLA I.H., building 263 was not included in survey. (Per Forensic Analytical Inc.)

NOTES:

82-442

c. Sampling Records

BUILDING 264

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
264-001	Carpet mastic	Room 103	None detected	N/A	N/A	N/A	N/A		
264-002	Resilient sheet flooring, red, underneath carpet	Room 103	Floor tile-none detecte (mastic->1% asbestos)	2,610	SF	Undamaged (nonfriable)	Low		
264-003	Carpet mastic	Room 103	None detected	N/A	N/A	N/A	N/A		
264-004	Ceiling panel, 2' x 4', type 1	Room 103A	None detected	N/A	N/A	N/A	N/A		
264-005	Ceiling tile mastic	Room 103A	None detected	N/A	N/A	N/A	N/A		
264-006	Ceiling tile mastic	Room 103A	None detected	N/A	N/A	N/A	N/A		
264-007	Wall tile, 12" x 12", type 2	Room 103A	None detected	N/A	N/A	N/A	N/A		
264-008	Wall tile, 12" x 12", type 2	Room 103A	None detected	N/A	N/A	N/A	N/A		
264-009	Baseboard and mastic, 3" high, purple	Room 103A	None detected	N/A	N/A	N/A	N/A		
264-010	Baseboard and mastic, 3" high, purple	Room 103A	None detected	N/A	N/A	N/A	N/A		
264-011	Baseboard mastic	Room 103A	None detected	N/A	N/A	N/A	N/A		
264-012	Baseboard mastic	Room 103A	None detected	N/A	N/A	N/A	N/A		
264-013	Resilient sheet flooring, brown	Room 101	None detected	N/A	N/A	N/A	N/A		
264-014	Resilient floor tile and mastic, 12" x 12", white with tan streaks	Room 101	None detected	N/A	N/A	N/A	N/A		
264-015	Resilient floor tile and mastic, 12" x 12", white with tan streaks	Room 101	None detected	N/A	N/A	N/A	N/A		

82-443

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
264-016	Resilient floor tile and mastic, 12" x 12", pink	Room 112	None detected	N/A	N/A	N/A	N/A		
264-017	Resilient floor tile and mastic, 12" x 12", pink	Room 112	None detected	N/A	N/A	N/A	N/A		
264-018	Resilient floor tile and mastic, 9" x 9", red and white	Room 105	15% Chrysotile	2,330	SF	Undamaged (nonfriable)	Low		
264-019	Resilient floor tile and mastic, 9" x 9", red and white	Room 105	8-12% Chrysotile (mastic->1% asbestos)	Ref. sample 018		Undamaged (nonfriable)	Low		
264-020	Resilient floor tile and mastic, 9" x 9", red and white	Room 105	3-8% Chrysotile (mastic->1% asbestos)	Ref. sample 018		Undamaged (nonfriable)	Low		
264-021	Wallboard	Room 105	None detected	N/A	N/A	N/A	N/A		
264-022	Wallboard	Room 105	None detected	N/A	N/A	N/A	N/A		
264-023	Wallboard	Room 105	None detected	N/A	N/A	N/A	N/A		
264-024/ 01-09-96	Pipe run insulation, 5" OD	Room 105, stage area	40% Amosite	30	LF	Damaged (friable)	High	2	Remove
264-025/ 01-09-96	REMOVED								
264-026/ 01-09-96	Pipe run insulation, 5" OD	Room 105, stage area	2% Amosite	Ref. sample 024		Damaged (friable)	High	2	Remove
264-027	Resilient floor tile and mastic, 12" x 12", white with tan streaks	Room 106	None detected	N/A	N/A	N/A	N/A		
264-028	Resilient floor tile and mastic, 12" x 12", pink	Room 111	None detected	N/A	N/A	N/A	N/A		
264-029	Ceiling panel, 2' x 4', type 1	Room 109	None detected	N/A	N/A	N/A	N/A		

82-444

NOTES:

- 1) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 2) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 3) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.

82-445

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
264-030	Resilient sheet flooring, red	Hallway by south exit	None detected	N/A	N/A	N/A	N/A		
264-031	Resilient sheet flooring, red	2nd floor lobby	None detected	N/A	N/A	N/A	N/A		
264-032	Resilient floor tile and mastic, 12" x 12", grey with grey spots	Room 213	None detected	N/A	N/A	N/A	N/A		
264-033	Resilient floor tile and mastic, 12" x 12", grey with grey spots	Room 213	None detected	N/A	N/A	N/A	N/A		
264-034/ 01-09-96	Debris (suspect aircell) duct insulation	Attic	100% Chrysotile	30	SF	Significantly damaged (friable)	High	3	Remove
264-035/ 01-09-96	Debris (suspect aircell) duct insulation	Attic	85-94% Chrysotile	Ref. sample 034		Significantly damaged (friable)	High	3	Remove
264-036/ 01-09-96	Debris (suspect aircell) duct insulation	Attic	100% Chrysotile	Ref. sample 034		Significantly damaged (friable)	High	3	Remove
264-037	Flexible connector/vibration damper	Attic	None detected	N/A	N/A	N/A	N/A		
264-038	Flexible connector/vibration damper	Attic	None detected	N/A	N/A	N/A	N/A		
264-039	Baseboard and mastic, 5" high, brown	Room 215H	None detected	N/A	N/A	N/A	N/A		
264-040	Baseboard and mastic, 5" high, brown	Room 215H	None detected	N/A	N/A	N/A	N/A		
264-041	Resilient floor tile and mastic, 12" x 12", white with tan spots	Room 215H	None detected	N/A	N/A	N/A	N/A		
264-042	Resilient floor tile and mastic, 12" x 12", white with tan spots	Room 215H	None detected	N/A	N/A	N/A	N/A		

82.446

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
264-043	Resilient floor tile and mastic, 12" x 12", white with tan spots	Room 215D	None detected	N/A	N/A	N/A	N/A		
264-044	Baseboard and mastic, 5" high, brown	Room 215D	None detected	N/A	N/A	N/A	N/A		
264-045	Fiberboard	Room 215B	None detected	N/A	N/A	N/A	N/A		
264-046	Vinyl floor strip, tan	Room 202	None detected	N/A	N/A	N/A	N/A		
264-047	Exterior stucco	North side	None detected	N/A	N/A	N/A	N/A		
264-048	Exterior stucco	South side	None detected	N/A	N/A	N/A	N/A		
264-049	Exterior stucco	West side	None detected	N/A	N/A	N/A	N/A		
264-050	Roofing shingle	Roof	None detected	N/A	N/A	N/A	N/A		
264-051	Roofing shingle	Roof	None detected	N/A	N/A	N/A	N/A		
264-052	Roofing shingle	Roof	None detected	N/A	N/A	N/A	N/A		
264-053	Roofing felt	Roof	None detected	N/A	N/A	N/A	N/A		
264-054	Roofing felt	Roof	None detected	N/A	N/A	N/A	N/A		
264-055	Roofing felt	Roof	None detected	N/A	N/A	N/A	N/A		

82-467

NOTES:

- 1) Ref. 264-024/026. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref 264-024/026. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 6) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.

F2-448

c. Sampling Records

BUILDING 265

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
265-001	Pipe joint insulation, 4" OD (elbow)	Near south entrance	None detected	N/A	N/A	N/A	N/A		
265-002	Resilient floor tile, 9" x 9", red with white streaks	Northwest room	15% Chrysotile	280	SF	Significantly damaged (nonfriable)	Low		
265-003	Resilient floor tile, 9" x 9", red with white streaks	Northwest room	15% Chrysotile	Ref. sample 002		Significantly damaged (nonfriable)	Low		
265-004	Pipe joint insulation, 4" OD (elbow)	South wall	None detected	N/A	N/A	N/A	N/A		
265-005	Pipe joint insulation, 4" OD (elbow)	North wall	None detected	N/A	N/A	N/A	N/A		
265-006	Pipe run insulation, 5"OD	Northeast room	20% Amosite	50	LF	Undamaged (friable)	Low		
265-007	Ceiling panel, 2' x 4', type 1	Northeast room	None detected	N/A	N/A	N/A	N/A		
265-008	Pipe run insulation, 4"OD (at joint)	Restroom	10% Chrysotile	1	LF	Damaged (friable)	High		
265-009	Pipe joint insulation, 3"OD (elbow)	Restroom	5% Amosite	1	EA	Damaged (friable)	High		
265-010	Pipe run insulation, 5"OD	Northeast room	40% Amosite	Ref. sample 006		Undamaged (friable)	Low		
265-011	Pipe joint insulation, 2" OD (elbow)	Northeast room	None detected	N/A	N/A	N/A	N/A		
265-012	Pipe run insulation, 5"OD	Northeast room	40% Amosite	Ref. sample 006		Undamaged (friable)	Low		

82-449

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
265-013	Ceiling panel, 2' x 4', type 1	Northeast room	None detected	N/A	N/A	N/A	N/A		
265-014	Pipe run insulation, 5" OD	Northeast room	40% Amosite	15	LF	Significantly damaged (friable)	High		
265-015	Pipe run insulation, 5" OD	Northeast room	5% Amosite	Ref. sample 014		Significantly damaged (friable)	High		
265-016	Pipe run insulation, 3" OD (at joint)	Northeast room	40% Amosite	50	LF	Significantly damaged (friable)	High		
265-017	Pipe joint insulation, 3" OD (elbow)	Northeast room	5% Amosite	2	EA	Significantly damaged (friable)	High		
265-018	Resilient floor tile and mastic, 9" x 9", grey w/ white streaks	Northeast room by restroom	10% Chrysotile	420	SF	Damaged (nonfriable)	Low		
265-019	Resilient floor tile and mastic, 9" x 9", grey w/ white streaks	Restroom	5% Chrysotile	Ref. sample 018		Significantly damaged (nonfriable)	Low		
265-020	Resilient floor tile and mastic, 9" x 9", grey w/ white streaks	Restroom	5% Chrysotile	Ref. sample 018		Significantly damaged (nonfriable)	Low		
265-021	Pipe joint insulation, 4" OD (elbow)	Center room	2% Chrysotile	1	EA	Undamaged (friable)	Low		
265-022	Pipe joint insulation, 2" OD (elbow)	Restroom	60% Chrysotile	25	EA	Undamaged (friable)	Low		
265-023	Fiberboard ceiling panel	Restroom	None detected	N/A	N/A	N/A	N/A		

82-450

NOTES:

- 1) The potential exposure designation for ACMs is based on the vacancy conditions found in the building at the time of the initial asbestos survey; the surveyed building was vacant at the time of the asbestos survey. Once the use of the surveyed area changes, the potential for damage should be reassessed and appropriate management procedures implemented.
- 2) Ref. 265-006/008 to 010/012/014 to 017/021/022. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 6) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 7) The roofing system of this building was not sampled due to its inaccessibility. However, the roofing system of building 265 is similar to the roofing system of building 266. No asbestos-containing roofing materials were identified on the roof of building 266. Therefore, we are assuming that the roofing systems of both buildings consist of similar materials which have been determined to be asbestos-negative. It is recommended that the roofing materials at building 265 should be sampled for asbestos-content prior to any renovation or demolition of the roofing system.

82-451

c. Sampling Records

BUILDING 266											
Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response		
266-001	Joint compound	Office	None detected	N/A	N/A	N/A	N/A				
266-002	Ceiling panel, 2' x 4', type 1	Office	None detected	N/A	N/A	N/A	N/A				
266-003	Ceiling panel, 2' x 4', type 1	Office	None detected	N/A	N/A	N/A	N/A				
266-004	Resilient floor tile, 12" x 12", white	Restroom	None detected	N/A	N/A	N/A	N/A				
266-005	Resilient floor tile, 12" x 12", white	Restroom	3-8% Chrysotile	50	SF	Undamaged (nonfriable)	Low				
266-006	Baseboard and mastic, 3" high, brown	Restroom	None detected	N/A	N/A	N/A	N/A				
266-007	Baseboard and mastic, 3" high, brown	Restroom	None detected	N/A	N/A	N/A	N/A				
266-008 / 01-11-96	REMOVED	-	-	-	-	-	-				
266-009 / 01-11-96	REMOVED	-	-	-	-	-	-				
266-010	Joint compound	Office wall	None detected	N/A	N/A	N/A	N/A				
266-011	Penetration mastic	Roof	None detected	N/A	N/A	N/A	N/A				
266-012	Penetration mastic	Roof	None detected	N/A	N/A	N/A	N/A				

82-452

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
266-013	Roofing cap sheet	Roof	None detected	N/A	N/A	N/A	N/A		
266-014	Roofing cap sheet	Roof	None detected	N/A	N/A	N/A	N/A		
266-015	Roofing cap sheet	Roof	None detected	N/A	N/A	N/A	N/A		

NOTES:

- 1) Ref. 266-008/009. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 2) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 3) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transite piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 4) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 5) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 6) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for a abatement is the same for both materials.

82-453

c. Sampling Records

BUILDING 267

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
267-001	Resilient floor tile, 12" x 12", green and yellow	Interior partition wall, center area	None detected	N/A	N/A	N/A	N/A		
267-002	Resilient floor tile, 12" x 12", green and yellow	Interior partition wall, center area	None detected	N/A	N/A	N/A	N/A		
267-003	Baseboard and mastic, 3" high, tan	Interior partition wall, center area	None detected	N/A	N/A	N/A	N/A		
267-004	Baseboard and mastic, 3" high, tan	Audio room, west wall	None detected	N/A	N/A	N/A	N/A		
267-005	Baseboard and mastic, 3" high, dark brown	Audio room, east wall	None detected	N/A	N/A	N/A	N/A		
267-006	Baseboard and mastic, 3" high, dark brown	South wall	None detected	N/A	N/A	N/A	N/A		
267-007	Resilient floor tile and mastic, 12" x 12", white with red and green	South wall	2% Chrysotile (mastic->1% as bestos)	3,600	SF	Undamaged (nonfriable)	Low		
267-008	Resilient floor tile and mastic, 12" x 12", white with red and green	Break room, north wall	Floor tile-none detecte (mastic->1% as bestos)	Ref. sample 007		Undamaged (nonfriable)	Low		
267-009	Resilient floor tile and mastic, 12" x 12", beige w/ dark brown	Training room	None detected	N/A	N/A	N/A	N/A		

82-484

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
267-010	Resilient floor tile and mastic, 12" x 12", beige w/dark brown	Training room	Floor tile-none detected (mastic->1% asbestos)	900	SF	Undamaged (nonfriable)	Low		
267-011	Plaster composite	Training room (on column)	None detected	N/A	N/A	N/A	N/A		
267-012	Plaster composite	Training room (on column)	None detected	N/A	N/A	N/A	N/A		
267-013	Resilient floor tile and mastic, 12" x 12", green, white and grey streaks	Audio room	None detected	N/A	N/A	N/A	N/A		
267-014	Resilient floor tile and mastic, 12" x 12", green, white and grey streaks	Audio room	None detected	N/A	N/A	N/A	N/A		
267-015	Resilient floor tile and mastic, 12" x 12", grey with dark grey streaks	Equipment room	5% Chrysotile	900	SF	Undamaged (nonfriable)	Low		
267-016	Resilient floor tile and mastic, 12" x 12", grey with dark grey streaks	Equipment room	Floor tile-none detected (mastic->1% asbestos)	Ref. sample 015		Undamaged (nonfriable)	Low		
267-017	Joint compound	Equipment room	None detected	N/A	N/A	N/A	N/A		
267-018	Joint compound	Training room	None detected	N/A	N/A	N/A	N/A		
267-019	Joint compound with plaster	Store room	None detected	N/A	N/A	N/A	N/A		

82-458

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
267-020	Sink undercoat	Equipment room	2% Chrysotile	3	EA	Undamaged (nonfriable)	Low		
267-021	Sink undercoat	Equipment room	5-10% Chrysotile	Ref. sample 020		Undamaged (nonfriable)	Low		
267-022	Canvas lagging on pipe run	West store room	None detected	N/A	N/A	N/A	N/A		
267-023	Canvas lagging on pipe run	West store room	None detected	N/A	N/A	N/A	N/A		
267-024	Ceiling panel, 2' x 4', type 1	Training room (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
267-025	Ceiling panel, 2' x 4', type 1	Training room (ceiling cavity)	None detected	N/A	N/A	N/A	N/A		
267-026	Ceiling panel, 2' x 4', type 1	Training room (ceiling cavity)	None Detected	N/A	N/A	N/A	N/A		
267-027	Ceiling panel, 2' x 4', type 2	Training room (ceiling cavity)	None Detected	N/A	N/A	N/A	N/A		
267-028	Ceiling panel, 2' x 4', type 2	Training room (ceiling cavity)	None Detected	N/A	N/A	N/A	N/A		
267-029	Ceiling panel, 2' x 4', type 2	Training room (ceiling cavity)	None Detected	N/A	N/A	N/A	N/A		
267-030	Penetration mastic	Roof	None Detected	N/A	N/A	N/A	N/A		
267-031	Penetration mastic	Roof	5-15% Chrysotile	20	SF	Undamaged (nonfriable)	Low		

82 - 456

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
267-032	Penetration mastic	Roof	10-20% Chrysotile	Ref. sample 031		Undamaged (nonfriable)	Low		
267-033	Roofing composite	Roof	None Detected	N/A	N/A	N/A	N/A		
267-034	Roofing composite	Roof	None Detected	N/A	N/A	N/A	N/A		
267-035	Pipe joint insulation, 3" OD (elbow)	Exterior, north, on mechanical equip.	None Detected	N/A	N/A	N/A	N/A		
267-036	Pipe run insulation, 3" OD	Exterior, north, on mechanical equip.	None Detected	N/A	N/A	N/A	N/A		
267-037	Pipe run insulation, 4" OD	Exterior, north, on mechanical equip.	None Detected	N/A	N/A	N/A	N/A		
267-038	Pipe run insulation, 4" OD	Exterior, north, on mechanical equip.	None Detected	N/A	N/A	N/A	N/A		
267-039	Flexible connector/vibration damper	Exterior, north, on mechanical equip.	None detected	N/A	N/A	N/A	N/A		
267-040	Flexible connector/vibration damper	Exterior, north, on mechanical equip.	None detected	N/A	N/A	N/A	N/A		

82-457

NOTES:

- 1) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 2) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 3) Ref. 267-020/021. Sink Undercoat is typically a black, cream, or grey material found on the underside of many sinks located throughout the VA Hospital complex. The black, grey, and some of the cream material has been found to be asbestos-positive. The newer material appears to be a white fibrous material which has been found to be asbestos-negative. It is nearly impossible to accurately estimate the number of sinks which have asbestos-containing sink undercoat material without sampling each individual sink in question. Therefore, the number listed in the ACM Quantity column is the number of asbestos-positive sinks in that area.
- 4) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 5) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.

82-458

c. Sampling Records

BUILDING 278										
Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response	
278-001	Ceiling panel, 4' x 6', type 1	Room 102	None detected	N/A	N/A	N/A	N/A			
278-002	Ceiling panel, 4' x 6', type 1	Room 102	None detected	N/A	N/A	N/A	N/A			
278-003	Ceiling panel, 4' x 6', type 1	Room 101	None detected	N/A	N/A	N/A	N/A			
278-004	Mastic material	Room 101, (ceiling cavity)	None detected	N/A	N/A	N/A	N/A			
278-005	Mastic material	Room 101, (ceiling cavity)	None detected	N/A	N/A	N/A	N/A			
278-006	Mastic material	Room 101, (ceiling cavity)	None detected	N/A	N/A	N/A	N/A			
278-007	Resilient sheet flooring, red	Room 101	None detected	N/A	N/A	N/A	N/A			
278-008	Resilient sheet flooring, red	Room 101	None detected	N/A	N/A	N/A	N/A			
278-009	Resilient sheet flooring, red	Room 102	None detected	N/A	N/A	N/A	N/A			
278-010	Resilient sheet flooring, yellow	Room 101	None detected	N/A	N/A	N/A	N/A			
278-011	Resilient sheet flooring, yellow	Room 101	None detected	N/A	N/A	N/A	N/A			
278-012	Resilient sheet flooring, yellow	Room 101	None detected	N/A	N/A	N/A	N/A			
278-013	Roofing cap sheet, black	Room 104, ramp	None detected	N/A	N/A	N/A	N/A			
278-014	Roofing cap sheet, black	Room 104, ramp	None detected	N/A	N/A	N/A	N/A			

82-459

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
278-015	Wallboard material	Room 102	None detected	N/A	N/A	N/A	N/A		
278-016	Wallboard material	Room 101	None detected	N/A	N/A	N/A	N/A		
278-017	Exterior stucco	North side	None detected	N/A	N/A	N/A	N/A		
278-018	Exterior stucco	West side, by exit	None detected	N/A	N/A	N/A	N/A		
278-019	Exterior stucco	South	None detected	N/A	N/A	N/A	N/A		
278-020	Roofing cap sheet	West exit, stairs	None detected	N/A	N/A	N/A	N/A		
278-021	Roofing shingles and felt	Roof, west	None detected	N/A	N/A	N/A	N/A		
278-022	Roofing shingles and felt	Roof, west	None detected	N/A	N/A	N/A	N/A		
278-023	Roofing shingles and felt	Roof, west	None detected	N/A	N/A	N/A	N/A		
278-024	Roofing shingles and felt	Roof, west	None detected	N/A	N/A	N/A	N/A		
278-025	Roofing shingles and felt	Roof, west	None detected	N/A	N/A	N/A	N/A		
278-026	Roofing shingles and felt	Roof, west	None detected	N/A	N/A	N/A	N/A		

NOTES:

- 1) No asbestos-containing materials were identified in any of the samples taken from this building.
- 2) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.

82 - 460

c. Sampling Records

BUILDING 295

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
295-001	Pipe joint insulation (at steam valve)	Side room, boiler number 4	None detected	N/A	N/A	N/A	N/A		
295-002	Pipe run insulation (at pipe end)	Side room, boiler number 4	None detected	N/A	N/A	N/A	N/A		
295-003	Pipe run insulation (at pipe end)	Main room, boiler number 3	None detected	N/A	N/A	N/A	N/A		
295-004	Tank insulation	Main room	None detected	N/A	N/A	N/A	N/A		
295-005	Tank insulation	Main room	None detected	N/A	N/A	N/A	N/A		
295-006	Tank insulation	Main room (flash tank)	None detected	N/A	N/A	N/A	N/A		
295-007	Tank insulation	Main room (flash tank)	None detected	N/A	N/A	N/A	N/A		
295-008	Tank insulation	Main room (flash tank)	None detected	N/A	N/A	N/A	N/A		
295-009	Resilient floor tile and mastic, 12" x 12", beige with brown, white and black streaks	Locker room	None detected	N/A	N/A	N/A	N/A		
295-010	Resilient floor tile and mastic, 12" x 12", beige with brown, white and black streaks	Locker room	None detected	N/A	N/A	N/A	N/A		

82-461

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
295-011	Resilient floor tile and mastic, 12" x 12", beige with brown, white and white streaks	Foreman's office	None detected	N/A	N/A	N/A	N/A		
295-012	Resilient floor tile and mastic, 12" x 12", beige with brown, white and white streaks	Foreman's office	None detected	N/A	N/A	N/A	N/A		
295-013	Baseboard and mastic, 4" high, dark brown	Foreman's office	None detected	N/A	N/A	N/A	N/A		
295-014	Baseboard and mastic, 4" high, dark brown	Foreman's office	None detected	N/A	N/A	N/A	N/A		
295-015	Tank insulation	Exterior, southeast	None detected	N/A	N/A	N/A	N/A		
295-016	Tank insulation	Exterior, southeast	None detected	N/A	N/A	N/A	N/A		
295-017	Ceiling tile, 12" x 12", type 1	Foreman's office	None detected	N/A	N/A	N/A	N/A		
295-018	Ceiling tile, 12" x 12", type 1	Foreman's office	None detected	N/A	N/A	N/A	N/A		
295-019	Ceiling tile mastic	Foreman's office	None detected	N/A	N/A	N/A	N/A		
295-020	Ceiling tile mastic	Foreman's office	None detected	N/A	N/A	N/A	N/A		
295-021	Roof composite	Roof	None detected	N/A	N/A	N/A	N/A		
295-022	Roof composite	Roof	None detected	N/A	N/A	N/A	N/A		
295-023	Roof composite	Roof	2% Chrysotile	4,675	5F	Undamaged (nonfriable)	Low		

82-462

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
295-024 / 01-18-96	REMOVED								
295-025	Tank insulation	Main room (tank #5712)	None detected	N/A	N/A	N/A	N/A		
295-026	Tank insulation	Main room (tank #5712)	None detected	N/A	N/A	N/A	N/A		
295-027	Pipe joint insulation (fitting)	Main room, piping at large tank	None detected	N/A	N/A	N/A	N/A		
295-028	Pipe joint insulation (fitting)	Main room, piping at large tank	None detected	N/A	N/A	N/A	N/A		
295-029	Pipe joint insulation (fitting)	Main room, piping at large tank	None detected	N/A	N/A	N/A	N/A		
295-030	Pipe joint insulation (fitting)	Main room, piping at large tank	None detected	N/A	N/A	N/A	N/A		
295-031	Pipe joint insulation, 4" OD (elbow)	Exterior, southeast	None detected	N/A	N/A	N/A	N/A		
295-032 / 01-18-96	REMOVED								
295-033	Penetration mastic	Roof	60% Chrysotile	250	SF	Undamaged (nonfriable)	Low		
295-034	Penetration mastic	Roof	10-20% Chrysotile	Ref. sample 033		Undamaged (nonfriable)	Low		
295-035	Penetration mastic	Roof	5-15% Chrysotile	Ref. sample 033		Undamaged (nonfriable)	Low		

82-463

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
295-036	Asbestos cement (transite) wall panels	Foreman's office	40% Chrysotile	625	SF	Damaged (nonfriable)	Moderate	2	Remove
295-037 01-18-96	Pipe run insulation, 22" OD	Removal of transite panels in sub floor office Main room, high pressure steam line	5% Chrysotile	45	LF	Damaged (friable)	High	2	Remove
295-038/ 01-18-96	Pipe run insulation, 22" OD	Main room, high pressure steam line	30-40% Amosite 20-50% Chrysotile	15	LF	Damaged (friable)	High	2	Remove
295-039	VOID	VOID	VOID	VOID	VOID	VOID	VOID		
295-040	Resilient floor tile, 12" x 12", white with olive streaks	Office on the ground floor	None detected	N/A	N/A	N/A	N/A		
295-041	Resilient floor tile, 12" x 12", white with olive streaks	Office on the ground floor	None detected	N/A	N/A	N/A	N/A		
295-042	Baseboard, 3" high, beige	Office on the ground floor	None detected	N/A	N/A	N/A	N/A		
295-043	Baseboard, 3" high, beige	Office on the ground floor	None detected	N/A	N/A	N/A	N/A		
295-044	Ceiling panel, 2' x 4', type 2	Storage room	None detected	N/A	N/A	N/A	N/A		
295-045	Ceiling panel, 2' x 4', type 2	Storage room	None detected	N/A	N/A	N/A	N/A		
295-046	Pipe joint insulation, 12" OD, (elbow)	On pumps	None detected	N/A	N/A	N/A	N/A		
295-047	Pipe joint insulation, 12" OD, (elbow)	On pumps	None detected	N/A	N/A	N/A	N/A		

82-464

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit and Friability	ACM Condition	Potential Exposure	Priority	Response
✓ 295-048	Condenser tank insulation	Ground floor, by stairs	None detected	N/A	N/A	N/A	N/A		
295-049	Water tank insulation, small	Ground floor, by stairs	None detected	N/A	N/A	N/A	N/A		
295-050	Pipe run insulation, 12" OD	Water tank	None detected	N/A	N/A	N/A	N/A		
295-051	Tank insulation	Water tank	None detected	N/A	N/A	N/A	N/A		
295-052	Tank insulation	Water tank	None detected	N/A	N/A	N/A	N/A		
295-053	Boiler insulation	Steam generator	None detected	N/A	N/A	N/A	N/A		
295-054	Pipe joint insulation, 3" OD (elbow)	By boiler #3	None detected	N/A	N/A	N/A	N/A		
295-055	Roofing composite	Roof, south	None detected	N/A	N/A	N/A	N/A		
295-056	Roofing composite	Roof, north	None detected	N/A	N/A	N/A	N/A		

82-465

NOTES:

- 1) Ref. 295-037/038. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref 295-032/037/038. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 6) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 7) Ref. 295-032. ACM pipe insulation. The number listed in the "ACM Quantity" column includes the quantity of material where the sample was taken. The number listed in Section b. Material and Cost Data, includes the total quantity of ACM pipe run insulation associated with the storage tank and other ACM pipe insulation located on the southeast side of building 295.
- 8) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.
- 9) Ref. 295-036. Asbestos cement (transite) wall panels. Only one sample of the transite wall panels were taken. The potential exposure for the asbestos-containing transite wall panels is based on a Damaged condition at the sample location. The overall condition of the wall panels is Undamaged. Additional samples of the wall panels were not taken since sampling would damage the panels. Approximately 625 SF of asbestos cement (transite) wall panels are located in this area.

82-466

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-BUILDING 295 POWER PLANT
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN K. SPIVEY**

November 15, 2002

November 15, 2002
Contract No. V691P-6501 Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
Bldg. 218, Room 328
11301 Wilshire Boulevard
Los Angeles, CA 90073

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
BUILDING NO 295 POWER PLANT
11301 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073**

Environmental Engineering, Inc. on behalf of the United States Department of Veterans Affairs, reinspected the asbestos containing materials (ACM) in Building 295 of the USVA-Greater Los Angeles Healthcare System (GLAHS) in Los Angeles, California. Mr. James Spencer, Mr. Roman Akeh and Dr. Zainul Abedin of Environmental Engineering, Inc. performed the asbestos inspection at the Site on November 6, 2002. Mr. James Spencer (CAC#92-0368) and Mr. Roman Akeh (CAC #93-1176) are California asbestos consultants and Dr. Zainul Abedin is an asbestos building inspector and management planner and an accredited Lead Inspector, Risk Assessor and a Lead Supervisor (I/S-1151) in the State of California.

Environmental Engineering Inc. performed the survey of the site structures to identify, assess, and sample suspect ACM at the Site, and to recommend, if necessary, appropriate response actions upon the findings of the survey. The survey consisted of a walk-through of the accessible areas, visual observation for the presence of potential ACM and sampling of presumed asbestos containing materials, and reassessment of the conditions of the known asbestos containing materials presently. Flooring, ceiling, transite panels, thermal system insulation on pipes, tanks, boilers, elbows, joints, ducts and debris and asphaltic roofing felt and mastic were formerly sampled and tested. Friable asbestos was found in the following materials throughout the building:

- Pipe Insulations on 22" Φ High Pressure Steam Lines

Non-friable asbestos was found in the following materials throughout the building:

- Asphaltic Composite Roofing & Penetration Mastic
- Transite Wall Panels in Foreman's Office

Bldg. 295, VA-GLAHS

Page 2

The conditions of these known asbestos-containing materials were visually observed and re-assessed for management response actions. Based on the findings of this reinspection, friable pipe insulations on 22" Φ high pressure steam lines and non-friable roofing materials were found intact requiring no immediate abatement. No additional friable/non-friable materials were observed and/or sampled during this inspection in Building 295. Meanwhile, elbow insulations and transite wall panels were abated at the Site. The results of this survey are summarized in Table 1 with recommended management response actions.

Environmental Engineering, Inc. conducted the asbestos inspection in accessible areas of the Site. Other conditions may exist in inaccessible areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. This survey was performed in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature. If you have any questions concerning the methodology or the results of this survey, please contact us at (818) 547-1330.

Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,



Zainul Abedin, PhD, REA
Project Manager

**Table 1 : BUILDING 295, VA-GLAHS
ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 11/06/02

Materials	Location	ACM Condition	Friability	Potential Exposure	Priority	Response
Pipe Insulations 22" Ø High Pressure Steam Lines	Main Room Upper Level, SW Corner	Undamaged	Yes	Moderate	6	Maintain
Composite Roofing & Penetration Mastic	Roof Top	Undamaged	No	Low	7	Maintain

82-470

c. Sampling Records

BUILDING 296

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
296-001	Roofing composite	Roof	None detected	N/A	N/A	N/A	N/A		
296-002	Roof mastic (at flashing)	Roof	20% Chrysotile	65	LF	Undamaged (nonfriable)	Low		
296-003	Roofing composite	Roof	None detected	N/A	N/A	N/A	N/A		
296-004	Roofing composite	Roof	None detected	N/A	N/A	N/A	N/A		

NOTES:

- 1) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transite piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 2) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/ or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.

82-471

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
297-023	Sink undercoat	Kitchen	20-30% Chrysotile	Ref. sample 021		Undamaged (nonfriable)	Low		
297-024	Mastic material, (sealant, black)	South side, on exterior pipes	10% Chrysotile	6	SF	Undamaged (nonfriable)	Low		
297-025	Mastic material, (sealant, black)	South side, on exterior pipes	5-10% Chrysotile	Ref. sample 024		Undamaged (nonfriable)	Low		
297-026	Mastic material, (sealant, black)	South side, on exterior pipes	10-20% Chrysotile	Ref. sample 024		Undamaged (nonfriable)	Low		

NOTES:

- 1) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 2) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 3) Ref. 297-021/022/023. Sink Undercoat is typically a black, grey, and some of the cream material found on the underside of many sinks located throughout the VA Hospital complex. The black, grey, and some of the cream material has been found to be asbestos-positive. The newer material appears to be a white fibrous material which has been found to be asbestos-negative. It is nearly impossible to accurately estimate the number of sinks which have asbestos-containing sink undercoat material without sampling each individual sink in question. Therefore, the number listed in the ACM Quantity column is the number of asbestos-positive sinks in that area.

82-472

4) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.

5) The roofing system of this building appears to consist of metal sheet material which has been painted. Due to the inaccessibility of the roofing system, no samples of suspect ACM were taken.

6) Ref. 297-002 to 004/014 to 016. The men's restroom area has recently been renovated. The quantities listed in the "ACM Quantity" column and in Section b. Material and Cost Data represent the quantities of material observed on the initial sampling visit. These quantities may have been reduced due to the renovation of the restroom.

c. Sampling Records

BUILDING 297									
Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
297-001	Pipe run insulation, 5" OD	South wall	None detected	N/A	N/A	N/A	N/A		
297-002	Asbestos cement (transite) wall panels	Men's restroom	20% Chrysotile	400	SF	Damaged (nonfriable)	Moderate		
297-003	Asbestos cement (transite) wall panels	Men's restroom	20-35% Chrysotile	Ref. sample 002		Damaged (nonfriable)	Moderate		
297-004	Asbestos cement (transite) wall panels	Men's restroom	20-30% Chrysotile	Ref. sample 002		Damaged (nonfriable)	Moderate		
297-005	Pipe run insulation, 4" OD	West wall	None detected	N/A	N/A	N/A	N/A		
297-006	Resilient floor tile and mastic, 12" x 12", white with grey streaks	Men's restroom	None detected	N/A	N/A	N/A	N/A		
297-007	Resilient floor tile and mastic, 12" x 12", white with grey streaks	Men's restroom	None detected	N/A	N/A	N/A	N/A		
297-008	Resilient floor tile and mastic, 12" x 12", white with beige dots	Break area	None detected	N/A	N/A	N/A	N/A		
297-009	Resilient floor tile and mastic, 12" x 12", white with beige dots	Break area	None detected	N/A	N/A	N/A	N/A		
297-010	Resilient floor tile and mastic, 12" x 12", white with grey streaks	Office, warehouse unit	None detected	N/A	N/A	N/A	N/A		
297-011	Ceiling panel, 2' x 4', type 1	Office, warehouse unit	None detected	N/A	N/A	N/A	N/A		

82-474

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
297-012	Ceiling panel, 2' x 4', type 1	Office, warehouse unit	None detected	N/A	N/A	N/A	N/A		
297-013	Ceiling panel, 2' x 4', type 1	Office, warehouse unit	None detected	N/A	N/A	N/A	N/A		
297-014	Resilient floor tile and mastic, 9" x 9", red	Closet by men's restroom	5% Chrysotile	25	SF	Significantly damaged (nonfriable)	High		
297-015	Resilient floor tile and mastic, 9" x 9", red	Closet by men's restroom	5-10% Chrysotile (mastic->1% asbestos)	Ref. sample 014		Significantly damaged (nonfriable)	High		
297-016	Resilient floor tile and mastic, 9" x 9", red	Closet by men's restroom	3-8% Chrysotile (mastic->1% asbestos)	Ref. sample 014		Significantly damaged (nonfriable)	High		
297-017	Resilient floor tile and mastic, 12" x 12", white with grey streaks	Office, receiving unit	None detected	N/A	N/A	N/A	N/A		
297-018	Ceiling panel, 2' x 4', type 2	Office, receiving unit	None detected	N/A	N/A	N/A	N/A		
297-019	Ceiling panel, 2' x 4', type 2	Office, receiving unit	None detected	N/A	N/A	N/A	N/A		
297-020	Ceiling panel, 2' x 4', type 2	Office, receiving unit	None detected	N/A	N/A	N/A	N/A		
297-021	Sink undercoat	Kitchen	10% Chrysotile	3	EA	Undamaged (nonfriable)	Low		
297-022	Sink undercoat	Kitchen	25-40% Chrysotile	Ref. sample 021		Undamaged (nonfriable)	Low		

82-475

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-GLAHS BUILDING 297
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN SPIVEY**

November 15, 2002

November 15, 2002
Contract No. V691P-6501 Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
Bldg. 218, Room 328
11301 Wilshire Boulevard
Los Angeles, CA 90073

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
BUILDING NO 297, VA-GLAHS WEST LA
11301 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073**

Environmental Engineering, Inc. on behalf of the United States Department of Veterans Affairs, conducted a reinspection of asbestos containing materials (ACM) at Building 297 of the USVA-Greater Los Angeles Healthcare System (GLAHS) in Los Angeles, California. Mr. James Spencer, Mr. Roman Akeh and Dr. Zainul Abedin of Environmental Engineering, Inc. performed the asbestos monitoring at the Site on October 28, 2002. Mr. James Spencer is a California asbestos consultant (CAC#92-0368), Mr. Roman Akeh is a California asbestos consultant (CAC #93-1176) and Dr. Zainul Abedin is an asbestos building inspector and management planner and an accredited Lead Inspector and Risk Assessor (I/S-1151) in the State of California.

Environmental Engineering Inc. performed a survey of the site structures to identify, assess, and sample suspect ACM at the Site, and to recommend, if necessary, appropriate response actions upon the findings of the survey. The survey consisted of a walk-through of the accessible areas, visual observation for the presence of potential ACM and subsequent sampling for presumed asbestos containing materials, and reassess the conditions of the known asbestos containing materials presently. Flooring, ceiling, transite wall panels, sink undercoat and exterior asphaltic coating on pipes were previously sampled and tested. Non-friable asbestos was found in the following materials throughout the building:

9"X9" floor tile & mastic in restroom closet
Kitchen Sink undercoat
Asphaltic coating on exterior pipes

During this reinspection survey, no additional suspect asbestos-containing materials were identified and/or sampled in Building 297, instead conditions of the known asbestos-containing materials were visually observed and re-assessed for management response actions. Based on the findings

Bldg. 297, VA-GLAHS

Page 2

of this reinspection, transite wall panels and 9"x9" floor tiles and mastic were abated and remaining sink undercoat and exterior pipe coating remained intact requiring no immediate abatement. The results of this survey are summarized in Table 1 with recommended management response actions.

Environmental Engineering, Inc. conducted the asbestos monitoring in accessible areas of the site. Other conditions may exist in inaccessible areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. This survey was performed in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature. If you have any questions concerning the methodology or the results of this survey, please contact us at (818) 547-1330.

Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,



Zainul Abedin, PhD, REA
Project Manager

**Table 1 : BUILDING 297, VA-GLAHS
ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 10/31/02

Materials	Location	ACM Condition	Friability	Potential Exposure	Priority	Response
Sink Undercoat	Kitchen, West Wall	Undamaged	None	Low	7	Maintain
Pipe Coating (Asphaltic)	Exterior Southwest Corner	Undamaged	None	Low	7	Maintain

Abated/Removed : Transite Wall Panels from Restroom
9"x9" Floor Tiles & Mastic from Restroom Closet

82-479

c. Sampling Records

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
BUILDING 298									
298-001	Resilient floor tile and mastic, 9" x 9", brown	Room 13	10% Chrysotile	7,020	SF	Undamaged (nonfriable)	Low		
298-002	Resilient floor tile and mastic, 9" x 9", brown	Room 13	10% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
298-003	Resilient floor tile and mastic, 9" x 9", red w/white and black streaks	Room 6	10% Chrysotile	600	SF	Undamaged (nonfriable)	Low		
298-004	Resilient floor tile and mastic, 9" x 9", red w/white and black streaks	Room 6	5-10% Chrysotile	Ref. sample 003		Undamaged (nonfriable)	Low		
298-005	Baseboard and mastic, 5" high, tan	Hallway, adjacent to room 14	None detected	N/A	N/A	N/A	N/A		
298-006	Plaster composite	Hallway, adjacent to room 14	None detected	N/A	N/A	N/A	N/A		
298-007	Baseboard and mastic, 5" high, tan	Hallway between rooms 8 and 9	None detected	N/A	N/A	N/A	N/A		
298-008	Baseboard and mastic, 5" high, tan	Hallway, adjacent to room 10	None detected	N/A	N/A	N/A	N/A		
298-009	Resilient floor tile and mastic, 9" x 9", brown	Room 10	15-20% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		

82-480

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	ACM Condition and Friability	Potential Exposure	Priority	Response
298-010	Baseboard and mastic, 3" high, tan	Room 10	None detected	N/A	N/A	N/A		
298-011	Baseboard and mastic, 3" high, tan	Room 9	None detected	N/A	N/A	N/A		
298-012	Baseboard and mastic, 3" high, tan	Room 8	None detected	N/A	N/A	N/A		
298-013	Baseboard and mastic, 3" high, cream	Room 7	None detected	N/A	N/A	N/A		
298-014	Baseboard and mastic, 3" high, cream	Room 5	None detected	N/A	N/A	N/A		
298-015	Resilient floor tile and mastic, 9" x 9", red w/white and black streaks	Room 1 (Office)	10% Chrysotile	Ref. sample 003	Undamaged (nonfriable)	Low		
298-016	Joint compound	Room 5	None detected	N/A	N/A	N/A		
298-017	Plaster composite	Room 6	None detected	N/A	N/A	N/A		
298-018	Joint compound	Room 5	None detected	N/A	N/A	N/A		
298-019	Plaster composite	Room 5	None detected	N/A	N/A	N/A		
298-020 01-19-96	Pipe run insulation, 3"OD	Crawl space	10% Amosite	400	LF Damaged (friable)	High	4	Remove
298-021 01-19-96	Pipe run insulation, 3"OD	Crawl space	20% Amosite	Ref. sample 020	Significantly damaged (friable)	High	3	Remove

82-481

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
298-022/ 01-18-96	Duct insulation (corrugated paper)	Utility room	40-60% Chrysotile	300	LF	Damaged (friable)	High	2	Remove
298-023/ 01-18-96	Duct insulation (corrugated paper)	Utility room	20% Chrysotile	Ref. sample 022		Damaged (friable)	High	2	Remove
298-024	Pipe run insulation, 3" OD	Utility room	None detected	N/A	N/A	N/A	N/A		
298-025	Exterior stucco	Northwest side	None detected	N/A	N/A	N/A	N/A		
298-026	Exterior stucco	West side	None detected	N/A	N/A	N/A	N/A		
298-027	Exterior stucco	Southwest side	None detected	N/A	N/A	N/A	N/A		
298-028	Roofing shingles, top layer	Roof	None detected	N/A	N/A	N/A	N/A		
298-029	Roofing shingles, top layer	Roof	None detected	N/A	N/A	N/A	N/A		
298-030	Roofing shingles, bottom layer	Roof	None detected	N/A	N/A	N/A	N/A		
298-031	Roofing shingles, bottom layer	Roof	None detected	N/A	N/A	N/A	N/A		
298-032	Roofing composite	Roof (above canopy flat)	None detected	N/A	N/A	N/A	N/A		
298-033	Roofing composite	Roof (above canopy flat)	None detected	N/A	N/A	N/A	N/A		
298-034	Roofing felt	Roof	None detected	N/A	N/A	N/A	N/A		
298-035	Roofing felt	Roof	None detected	N/A	N/A	N/A	N/A		
298-036	Penetration mastic	Roof	20% Chrysotile	40	SF	Undamaged (nonfriable)	Low		

82-482

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
298-037	Penetration mastic	Roof	5-10% Chrysotile	Ref. sample	0	Undamaged (nonfriable)	Low		
298-038	Asbestos cement (transite) pipe, 4" OD	Roof	10% Chrysotile	2	LF	Undamaged (nonfriable)	Low		
298-039	Asbestos cement (transite) pipe, 8" OD	Roof	45-50% Chrysotile 20-25% Crocidolite	2	LF	Undamaged (nonfriable)	Low		

NOTES:

- 1) Ref. 020. Even though this classification does not follow strict AHERA guidelines, all friable material in damaged condition are classified as having a high potential for exposure.
- 2) Ref 298-020/021. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transite piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber, or cork, or if further sampling results show non detection for asbestos.
- 6) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/ or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.

82-483

c. Sampling Records

BUILDING 299

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
299-001	Roofing composite	Roof	None detected	N/A	N/A	N/A	N/A		
299-002	Roofing composite	Roof	None detected	N/A	N/A	N/A	N/A		
299-003	Penetration mastic	Roof	None detected	N/A	N/A	N/A	N/A		
299-004	Penetration mastic	Roof	None detected	N/A	N/A	N/A	N/A		

NOTE:

- 1) No asbestos-containing materials were identified in any of the samples taken from this building.
- 2) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.

82-484

c. Sampling Records

BUILDING 300									
Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
300-001	Flexible connector/vibration damper with patching material	Mechanical room (at fan unit)	None detected	N/A	N/A	N/A	N/A		
300-002	Flexible connector/vibration damper	Mechanical room	None detected	N/A	N/A	N/A	N/A		
300-003	Ductwork mastic and tape	Roof	None detected	N/A	N/A	N/A	N/A		
300-004	Ductwork mastic and tape	Roof	None detected	N/A	N/A	N/A	N/A		
300-005	Roofing mastic (at flashing)	Roof	5-15% Chrysotile	850	SF	Undamaged (nonfriable)	Low		
300-006	Roofing mastic (in pitch pocket)	Roof	10% Chrysotile	30	SF	Undamaged (nonfriable)	Low		
300-007	Canvas material	Roof	None detected	N/A	N/A	N/A	N/A		
300-008	Canvas material	Roof	None detected	N/A	N/A	N/A	N/A		
300-009	Roofing composite	Roof	None detected	N/A	N/A	N/A	N/A		
300-010	Roofing composite	Roof	None detected	N/A	N/A	N/A	N/A		
300-011	Roofing felt (under clay tiles)	Roof, mechanical room	None detected	N/A	N/A	N/A	N/A		
300-012	Roofing felt (under clay tiles)	Roof, mechanical room	None detected	N/A	N/A	N/A	N/A		
300-013	Ceiling panels, 2' x 4', type 2	Room 209	None detected	N/A	N/A	N/A	N/A		

82-485

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
300-014	Ceiling panels, 2' x 4', type 2	Room 209	None detected	N/A	N/A	N/A	N/A		
300-015	Resilient floor tile and mastic, 9" x 9", grey	Room 209	5% Chrysotile	Ref. sample 017		Undamaged (nonfriable)	Low		
300-016	Resilient floor tile and mastic, 9" x 9", grey	Room 209	10-20% Chrysotile	Ref. sample 017		Undamaged (nonfriable)	Low		
300-017	Resilient floor tile and mastic, 9" x 9", mustard	Room 209	10% Chrysotile	3,100	SF	Undamaged (nonfriable)	Low		
300-018	Resilient floor tile and mastic, 9" x 9", mustard	Room 209	10-20% Chrysotile (mastic-non detected)	Ref. sample 017		Undamaged (nonfriable)	Low		
300-019	Resilient floor tile and mastic, 9" x 9", green	Room 209	None detected	N/A	N/A	N/A	N/A		
300-020	Resilient floor tile and mastic, 9" x 9", green	Room 209	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 017		Undamaged (nonfriable)	Low		
300-021	Resilient floor tile and mastic, 9" x 9", flesh	Kitchen	10% Chrysotile	1,650	SF	Undamaged (nonfriable)	Low		
300-022	Resilient floor tile and mastic, 9" x 9", flesh	Room 210	15-25% Chrysotile (mastic->1% asbestos)	Ref. sample 021		Undamaged (nonfriable)	Low		
300-023	Ceiling panel, 2' x 2', hard, type 1	Kitchen near hood	20% Chrysotile	800	SF	Undamaged (nonfriable)	Low		
300-024	Ceiling panel, 2' x 2', hard, type 1	Kitchen near hood	30-45% Chrysotile	Ref. sample 023		Undamaged (nonfriable)	Low		
300-025	Plaster composite	Room 211	None detected	N/A	N/A	N/A	N/A		

82-486

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
300-026	Plaster composite	Room 213	None detected	N/A	N/A	N/A	N/A		
300-027	Plaster composite	Kitchen	None detected	N/A	N/A	N/A	N/A		
300-028	Plaster composite	Kitchen	None detected	N/A	N/A	N/A	N/A		
300-029	Resilient floor tile and mastic, 9" x 9", black and white	Room 218	5% Chrysotile	9,100	SF	Undamaged (nonfriable)	Low		
300-030	Resilient floor tile and mastic, 9" x 9", black and white	Room 218	3-10% Chrysotile (mastic->1% asbestos)	Ref. sample 029		Undamaged (nonfriable)	Low		
300-031	Resilient floor tile and mastic, 9" x 9", beige	Room 210	10% Chrysotile	950	SF	Undamaged (nonfriable)	Low		
300-032	Resilient floor tile and mastic, 9" x 9", beige	Room 210	5-10% Chrysotile	Ref. sample 031		Undamaged (nonfriable)	Low		
300-033	Resilient floor tile and mastic, 9" x 9", white	Room 212	15% Chrysotile	650	SF	Undamaged (nonfriable)	Low		
300-034	Resilient floor tile and mastic, 9" x 9", white	Room 212	15-30% Chrysotile (mastic->1% asbestos)	Ref. sample 033		Undamaged (nonfriable)	Low		
300-035	Resilient floor tile and mastic, 12" x 12", white	Elevator	None detected	N/A	N/A	N/A	N/A		
300-036	Resilient floor tile and mastic, 12" x 12", white	Elevator	None detected	N/A	N/A	N/A	N/A		
300-037	Joint compound	Room 218	None detected	N/A	N/A	N/A	N/A		
300-038	Joint compound	Room 218	None detected	N/A	N/A	N/A	N/A		

82, 487

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
300-039	Joint compound	Room 218	None detected	N/A	N/A	N/A	N/A		
300-040	Baseboard, 3" high, brown	Room 221	None detected	N/A	N/A	N/A	N/A		
300-041	Baseboard, 3" high, brown	Hall by room 221	None detected	N/A	N/A	N/A	N/A		
300-042	Baseboard, 5" high, tan	Room 218	None detected	N/A	N/A	N/A	N/A		
300-043	Baseboard, 5" high, tan	Room 218	None detected	N/A	N/A	N/A	N/A		
300-044	Resilient floor tile and mastic, 12" x 12", blue	Room 221	None detected	N/A	N/A	N/A	N/A		
300-045	Resilient floor tile and mastic, 12" x 12", blue	Room 221	None detected	N/A	N/A	N/A	N/A		
300-046	Baseboard, wood grain, 3" high	Room 221	None detected	N/A	N/A	N/A	N/A		
300-047	Baseboard, wood grain, 3" high	Room 221	None detected	N/A	N/A	N/A	N/A		
300-048	Ceiling panels, 2' x 4', type 4	Room 202	None detected	N/A	N/A	N/A	N/A		
300-049	Ceiling panels, 2' x 4', type 4	Room 202	None detected	N/A	N/A	N/A	N/A		
300-050	Carpet mastic, yellow	Room 202S	None detected	N/A	N/A	N/A	N/A		
300-051	Carpet mastic, yellow	Room 202S	None detected	N/A	N/A	N/A	N/A		
300-052	Baseboard, 5" high, brown	Room 202S	None detected	N/A	N/A	N/A	N/A		
300-053	Baseboard, 5" high, brown	Room 202S	None detected	N/A	N/A	N/A	N/A		
300-054	Plaster composite	Room 202 by exit	None detected	N/A	N/A	N/A	N/A		
300-055	Plaster composite	Room 202 by exit	None detected	N/A	N/A	N/A	N/A		

82 - 488

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
300-056	Resilient floor tile and mastic, 12" x 12", white w/ brown spots	Room 127	None detected	N/A	N/A	N/A	N/A		
300-057	Resilient floor tile and mastic, 12" x 12", white w/ brown spots	Room 127	None detected	N/A	N/A	N/A	N/A		
300-058	Resilient floor tile and mastic, 12" x 12", grey with white spots	Room 121	20% Chrysotile (mastic->1% asbestos)	9,070	SF	Undamaged (nonfriable)	Low		
300-059	Resilient floor tile and mastic, 12" x 12", grey with white spots	Room 125	None detected (mastic->1% asbestos)	Ref. sample 058		Undamaged (nonfriable)	Low		
300-060	Baseboard, 3" high, white	Room 122	None detected	N/A	N/A	N/A	N/A		
300-061	Baseboard, 3" high, white	Room 125	None detected	N/A	N/A	N/A	N/A		
300-062	Wallpaper and mastic, blue	Room 125	None detected	N/A	N/A	N/A	N/A		
300-063	Wallpaper and mastic, blue	Room 125	None detected	N/A	N/A	N/A	N/A		
300-064	Resilient floor tile and mastic, 12" x 12", white w/beige stripes	Room 118	20% Chrysotile (mastic->1% asbestos)	700	SF	Undamaged (nonfriable)	Low		
300-065	Resilient floor tile and mastic 12" x 12", white w/ beige strips	Room 118	None detected	N/A	N/A	N/A	N/A		
300-066	Pipe joint insulation, 3" OD (elbow)	Room 108	None detected	N/A	N/A	N/A	N/A		
300-067 / 11-20-95	REMOVED								
300-068 / 11-15-95	Pipe run Insulation, 4"OD	Room 218	25% Amosite 35% Chrysotile	20	LF	Damaged (friable)	High	5	Patch

82-489

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
300-069 / 11-15-95	Pipe run insulation, 6"OD	Room 218	20-35% Amosite 15-20% Chrysotile	20	LF	Damaged (friable)	High	5	Patch
300-070	Ceiling panels, 2' x 4',	Room 125	None detected	N/A	N/A	N/A	N/A		
300-071	Ceiling panels, 2' x 4',	Room 125	None detected	N/A	N/A	N/A	N/A		
300-072 / 11-16-95	REMOVED	-	-	-	-	-	-	-	-
300-073 / 11-16-95	REMOVED	-	-	-	-	-	-	-	-
300-074 / 11-16-95	Pipe joint insulation, elbow one remaining (fragments)	Room 112	10-20% Chrysotile	1	EA	Significantly damaged (friable)	High	2	Remove
300-075 / 11-16-95	Joint compound with mastic	Room 112 (refrigerator)	25% Chrysotile (mastic->1% asbestos)	160	SF	Undamaged (nonfriable)	Moderate		
300-076	Joint compound	Room 112 (refrigerator)	None detected	N/A	N/A	N/A	N/A		
300-077 / 11-15-95	Pipe joint insulation, elbow (two remaining)	Room 112 (refrigerator)	50% Chrysotile	2	EA	Slightly damaged (friable)	High	5	Patch
300-078 / 11-16-95	REMOVED	-	-	-	-	-	-	-	-
300-079 / 11-16-95	REMOVED	-	-	-	-	-	-	-	-
300-080	Pipe run lagging	Room 8	None detected	N/A	N/A	N/A	N/A		
300-081	Pipe run insulation (cork and mastic)	Room 8	None detected	N/A	N/A	N/A	N/A		

82-490

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
300-082 / 11-16-95	Debris (suspect TSI)	Room 11B (above shower)	20-30% Amosite 40-50% Chrysotile	2	SF	Significantly damaged (friable)	High	2	Remove
300-083 / 11-15-95	REMOVED								
300-084	Duct insulation	Basement, mechanical room	None detected	N/A	N/A	N/A	N/A		
300-085	Flexible connector/vibration damper	Basement, mechanical room	None detected	N/A	N/A	N/A	N/A		
300-086	Silver mastic material, (on walls and ceilings)	Room 216A (refrigerator)	5% Chrysotile	7,500	SF	Undamaged (nonfriable)	Low		
300-087	Silver mastic material, (on walls and ceilings)	Room 216A (refrigerator)	10% Chrysotile	Ref. sample 086		Undamaged (nonfriable)	Low		
300-088	Resilient floor tile and mastic, 12" x 12" white with beige stripes	Room 102	2% Chrysotile (mastic->1% asbestos)	70	SF	Undamaged (nonfriable)	Low		
300-089	Resilient floor tile and mastic, 12" x 12" white with beige stripes	Room 102	2% Chrysotile (mastic->1% asbestos)	Ref. sample 088		Undamaged (nonfriable)	Low		
300-090	Resilient floor tile and mastic, 12" x 12", yellowish w/tan and brown dots	Men's locker room	None detected	N/A	N/A	N/A	N/A		
300-091	Resilient floor tile and mastic, 12" x 12" yellowish with tan and brown dots	Men's locker room	None detected	N/A	N/A	N/A	N/A		

82-491

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
300-092	Resilient floor tile and mastic, 12" x 12" multicolored spots	Men's locker room	None detected	N/A	N/A	N/A	N/A		
300-093	Resilient floor tile and mastic 12" x 12" multicolored spots	Men's locker room	None detected	N/A	N/A	N/A	N/A		
300-094	Roofing mastic (at pitch pocket)	Roof	20% Chrysotile	Ref. sample 006		Undamaged (nonfriable)	Low		
300-095	Roofing mastic (at flashing)	Roof	20% Chrysotile	Ref. sample 005		Undamaged (nonfriable)	Low		
300-096	Roofing mastic (at flashing)	Roof, near drain	20% Chrysotile	Ref. sample 005		Undamaged (nonfriable)	Low		
300-097	Mastic material with canvas lagging on ductwork	Roof, on ductwork	20% Chrysotile	100	LF	Undamaged (nonfriable)	Low		
300-098	Mastic material with canvas lagging on ductwork	Roof, on ductwork	20% Chrysotile	Ref. sample 097		Undamaged (nonfriable)	Low		
300-099	Roofing mastic (at flashing)	Roof	40% Chrysotile	Ref. sample 005		Undamaged (nonfriable)	Low		
300-100/ 11-16-95	REMOVED	-	-	-	-	-	-	-	-
300-101/ 11-16-95	REMOVED	-	-	-	-	-	-	-	-
300-102/ 11-16-95	REMOVED	-	-	-	-	-	-	-	-

82-492

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
300-103 11-16-95	REMOVED	-	-	-	-	-	-	-	-
300-104/ 11-16-95	REMOVED	-	-	-	-	-	-	-	-
300-105/ 11-16-95	REMOVED	-	-	-	-	-	-	-	-
300-106/ 11-16-95	Pipe run insulation, 3" OD	Room 106	25% Amosite 25% Chrysotile	15	LF	Undamaged (friable)	Moderate	7	Maintain
300-107/ 11-16-95	Pipe joint insulation, 3" OD (elbow)	Room 106	10% Amosite 20% Chrysotile	4	EA	Undamaged (friable)	Moderate	7	Maintain
300-108/ 11-16-95	Pipe run insulation, 5" OD	Room 011B	20% Amosite	20	LF	Damaged (friable)	High	3	Cap ends & Patch
300-109/ 11-16-95	Pipe run insulation, 4" OD	Room 009A/B At wall penetration	30% Amosite	15	LF	Damaged (friable)	Moderate	2	Patch
300-110	Resilient floor tile and mastic, 12" x 12" beige with dots	Room 007	Floor tile-none detecte (mastic-5% Chrysotile)	200	SF	Damaged (nonfriable)	High	-	-
300-111/ 11-16-95	Pipe run insulation, 6" OD	Room 5	15% Amosite 15% Chrysotile	12	LF	Undamaged (friable)	Moderate	7	Maintain
300-112/ 11-16-95	Pipe run insulation, 4" OD	Room 5	20% Amosite 20% Chrysotile	12	LF	Undamaged (friable)	Moderate	7	Maintain
300-113/ 11-16-95	Pipe joint insulation, 3" OD (elbow)	Room 5	25% Amosite 20% Chrysotile	2	EA	Undamaged (friable)	Moderate	6	Patch

82-493

NOTES:

- 1) Ref. 300-067 to 069/072/108. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref. 300-067 to 069/072 to 075/077 to 079/083/101 to 109/111 to 113. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 6) Ref. 300-037 to 039/075/076. Joint compound. Due to the difficulty of locating the joint compound and the various renovation projects performed in the building, it is very difficult to accurately estimate the quantity of asbestos-containing joint compound without sampling each specific area in question. In addition, only one sample #300-075 was identified to be asbestos-containing. It is assumed that the mastic is responsible for the asbestos-positive condition. The quantity listed in the "ACM Quantity" column indicates the quantity of material at the sampling area. Furthermore, two samples of mastic material, samples 300-086/087, were taken in one refrigerator. The majority of the refrigerators/freezers in this building contain similar material. The quantities listed in the "ACM Quantity" column and in Section b. Material and Cost Data include the total quantity of ACM-mastic material found throughout all of the refrigerators/freezers.
- 7) In some rooms several different types of resilient floor tile may be present. In instances where the asbestos-containing RFT comprises the majority of the floor area, all floor tiles have been combined together when calculating the total square footage of materials to be abated. This is as follows:
9' x 9', mustard RFT includes 9' x 9', grey RFT in room 209 and 209D and 9' x 9', green RFT and 9' x 9' beige RFT in room 209.
- 8) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 9) Ref. 300-086/087. Silver mastic material on walls and ceiling. In the "ACM Quantity" column, we have included total quantities observed for all refrigerators with similar material on the first and second floors.
- 10) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc.

2. 494

**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
VA-GLAHS BUILDING 300
LOS ANGELES, CALIFORNIA**

**PREPARED FOR
UNITED STATES DEPARTMENT OF
VETERANS AFFAIRS
GREATER LOS ANGELES HEALTH SERVICES
11301 WILSHIRE BOULEVARD
LOS ANGELES, CA 90073
ATTN.: BEN K. SPIVEY**

November 22, 2002

November 22, 2002
Contract No. V691P-6501 Obligation No. 691-C16215

Ben K. Spivey, Industrial Hygienist
USVA-Greater Los Angeles Health Services
Bldg. 218, Room 328
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**REINSPECTION FOR
ASBESTOS CONTAINING MATERIALS
BUILDING NO 300, VA-GLAHS WEST LA
11301 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90073**

Environmental Engineering, Inc. on behalf of the United States Department of Veterans Affairs, reinspected the asbestos containing materials (ACM) in Building 300 of the USVA-Greater Los Angeles Healthcare System (GLAHS) in Los Angeles, California. Mr. James Spencer, Mr. Roman Akeh and Dr. Zainul Abedin of Environmental Engineering, Inc. performed the asbestos inspection at the Site on November 13, 2002. Mr. James Spencer (CAC#92-0368) and Mr. Roman Akeh (CAC #93-1176) are California asbestos consultants and Dr. Zainul Abedin is an asbestos building inspector and management planner and an accredited Lead Inspector, Risk Assessor and a Lead Supervisor (I/S-1151) in the State of California.

Environmental Engineering Inc. performed the survey of the site structures to identify, assess, and sample suspect ACM at the Site, and to recommend, if necessary, appropriate response actions upon the findings of the survey. The survey consisted of a walk-through of the accessible areas, visual observation for the presence of potential ACM and sampling of presumed asbestos containing materials, and conditional reassessment of the known ACMs. Flooring, ceiling, carpet mastic, baseboard, wall plaster, joint compounds, HVAC duct canvas tape, flexible connector/vibration damper, thermal system insulation (TSI) on pipes, elbows, joints, ducts and debris and roofing canvas, felt & mastic were formerly sampled and tested.

Friable asbestos was found in the following materials throughout the building:

- 3"Φ Pipe & Fitting Insulations
- 4"Φ Pipe & Fitting Insulations
- 5"Φ Pipe & Fitting Insulations
- 6"Φ Pipe & Fitting Insulations
- TSI Debris

Bldg. 300, VA-GLAHS

Page 2

Non-friable asbestos was found in the following materials throughout the building:

- 9"X9" Resilient Floor Tile & Mastic
- 12"X12" Resilient Floor Tile & Mastic
- 2'X2' (hard) Ceiling Panel
- Joint Compound With Mastic
- Silver Mastic on Walls & Ceiling
- Roofing Mastic & Canvas Lagging

Some of these known asbestos containing materials were removed from the Building 300 since 1996. Friable TSI materials were removed and/or repaired in rooms 106 and 218. Non-friable floor tiles and mastic were removed from 1st Floor Tray line and room 218, ceiling panels were removed from kitchen hood area and silver mastic were removed from room 216A. These abated materials are summarized in Table 1.

The conditions of the remaining asbestos-containing materials were visually observed and re-assessed for management response actions. Based on the findings of this reinspection, undamaged pipe & fitting insulations remained in rooms 5 and 9A/B while damaged and TSI debris remained in room 11B, 112 and 118 that require removal and repair for regulatory compliance. Non-friable floor tiles, joint compound and roofing mastic & canvas lagging remained undamaged that require regular maintenance for regulatory compliance. The results of this survey are summarized in Table 2 with recommended management response actions.

Environmental Engineering, Inc. conducted the asbestos inspection in accessible areas of the Site. Other conditions may exist in inaccessible areas. The conclusions and recommendations describe only the conditions present at the time of our survey, in areas that were observed. This survey was performed in general accordance with the standards of care and diligence normally practiced by recognized consulting firms in performing services of a similar nature. If you have any questions concerning the methodology or the results of this survey, please contact us at (818) 547-1330.

Yours sincerely,
ENVIRONMENTAL ENGINEERING, INC.,



Zainul Abedin, PhD, REA
Project Manager

Table 1 : Asbestos Abatement In Building 300

Date	Asbestos Containing Materials	Locations/Rooms	Quantity
03/07/01	Floor Tile & Mastic	1 st Floor Tray Line	300 ft ²
Others	2'x2' Ceiling Panels	Kitchen Hood Area	
	Silver Mastic	216A	
	9"x9" Floor Tile & Mastic	218	
	Pipe & fitting Insulations	106, 218	

**Table 2 : BUILDING 300, VA-GLAHS
ASBESTOS CONTAINING MATERIALS
CONDITIONS AND RECOMMENDATIONS**

Survey Date : 11/13/02

Materials	Location/Rooms	ACM Condition	Fraility	Potential Exposure	Priority	Response
3" @ Pipe & Fitting Insulations	5	Undamaged	Yes	Moderate	6	Maintain
4" @ Pipe & Fitting Insulations	5, 000A/B	Undamaged	Yes	Moderate	7	Maintain
	112 Crawl Space	Damaged	Yes	Moderate	4	Patch
5" @ Pipe & Fitting Insulations	011B, 112 Refrigerator	Damaged	Yes	High	3	Patch/Remove
6" @ Pipe & Fitting Insulations	5	Undamaged	Yes	Low	7	Maintain
	118	Damaged	Yes	High	4	Patch
TSJ Debris	118 Pipe Shaft	Damaged	Yes	Moderate	3	Remove
9"x9" Floor Tile & Mastic	209, 210, Kitchen, 212	Undamaged	No	Low	7	Maintain
12"x12" Floor Tile & Mastic	007, 102, 118, 121, 125,	Undamaged	No	Low	7	Maintain
Joint Compound With Mastic	112 Refrigerator	Undamaged	No	Low	7	Maintain
Roofing Mastic & Carves Lagging	Roof & Roof Flashing, Ducts	Undamaged	No	Low	7	Maintain

- Notes :
1. TSI : None in 106 and 218
 2. 9"x9" Floor tiles : 35 tiles damaged/missing in room 209 while replaced in room 218
 3. 2"x2" Ceiling Panel : None in Kitchen Hood Area
 4. Silver Mastic : None in Room 216A on Walls & Ceiling

82-499

c. Sampling Records

BUILDING 304

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
304-001	Resilient floor tile and mastic, 9" x 9", grey with cream and black streaks	Hallway, by room 126	10% Chrysotile	16,920	SF	Undamaged (nonfriable)	Low		
304-002	Resilient floor tile and mastic, 9" x 9", light grey with white and black streaks	Room 119	10% Chrysotile	640	SF	Undamaged (nonfriable)	Low		
304-003	Resilient floor tile and mastic, 12" x 12", Cream/yellow with olive and white streaks	Room 119	None detected	N/A	N/A	N/A	N/A		
304-004	Resilient sheet flooring and mastic, grey	Room 119	None detected	N/A	N/A	N/A	N/A		
304-005	Baseboard and mastic, 5" high, dark brown	Room 119	None detected	N/A	N/A	N/A	N/A		
304-006	Resilient floor tile and mastic, 9" x 9", light grey with white and black streaks	Hallway by room E3-125	5% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
304-007	Resilient floor tile and mastic, 12" x 12", white with grey blotches and streaks	Room E3-125	10% Chrysotile	2,320	SF	Undamaged (nonfriable)	Low		
304-008	Baseboard and mastic, 3" high, brow	Room 123	None detected	N/A	N/A	N/A	N/A		
304-009	Ceiling tile 12" x 12", type 1	Room 101	None detected	N/A	N/A	N/A	N/A		

82-500

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
304-010	Resilient floor tile and mastic, 12" x 12", white with grey blotches and streaks	Room 101	2-8% Chrysotile (mastic->1% asbestos)	Ref. Sample 007	N/A	Undamaged (nonfriable)	Low		
304-011	Ceiling tile mastic	Room 101	None detected	N/A	N/A	N/A	N/A		
304-012	Ceiling tile mastic	Room 101	None detected	N/A	N/A	N/A	N/A		
304-013	Carpet mastic	Room 126	None detected	N/A	N/A	N/A	N/A		
304-014	Carpet mastic	Room 126	None detected	N/A	N/A	N/A	N/A		
304-015	Plaster composite	Room 106	None detected	N/A	N/A	N/A	N/A		
304-016	Resilient sheet flooring with canvas backing, grey	Room 106	None detected	N/A	N/A	N/A	N/A		
304-017	Carpet mastic	Room 111	None detected	N/A	N/A	N/A	N/A		
304-018	Baseboard and mastic, 5" high, black	Hall by room 103	None detected	N/A	N/A	N/A	N/A		
304-019	Resilient floor tile and mastic, 9" x 9", green with black and white long thin streaks	Hallway by room 128	None detected	N/A	N/A	N/A	N/A		
304-020	Resilient floor tile and mastic, 12" x 12", beige with white thin streaks	Hallway by room 150	5% Chrysotile	Ref. sample 001	Undamaged (nonfriable)	Low			
304-021	Resilient sheet flooring, cream with grey streaks	Room 151, by entrance	None detected	N/A	N/A	N/A	N/A		
304-022	Sink undercoat	Room 151	5% Chrysotile	1	EA	Undamaged (friable)	Low		

82 501

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
304-023	Pipe run insulation, 3" OD, brown	Room 146A	None detected	N/A	N/A	N/A	N/A		
304-024	Pipe run insulation, 5" OD	Room 150	None detected	N/A	N/A	N/A	N/A		
304-025 / 01-25-95	REMOVED								
304-026 / 01-25-95	Pipe joint insulation, 3" OD (elbow)	Room 150	10% Amosite	Ref. sample 025		Undamaged (friable)	Moderate		
304-027 / 01-25-95	Pipe run insulation, 3" OD	Room 150	10% Chrysotile	40	LF	Undamaged (friable)	Moderate		
304-028	Resilient floor tile and mastic, 12" x 12", white with thick olive streaks	Room 130	None detected	N/A	N/A	N/A	N/A		
304-029	Ceiling panel, 2' x 4', type 2	Room 130	None detected	N/A	N/A	N/A	N/A		
304-030 / 01-23-96	Pipe run insulation, 5" OD	Hallway by room 125	30-40% Amosite 5-15% Crocidolite	20	LF	Undamaged (friable)	Moderate		
304-031 / 01-23-96	Pipe joint insulation, 5" OD (elbow)	Hallway by room 125	25-35% Amosite 15-20% Crocidolite	Ref. sample 030		Undamaged (friable)	Moderate		
304-032 / 01-23-96	Pipe run insulation, 3" OD	Hallway by room 125	10% Chrysotile	Ref. sample 030		Undamaged (friable)	Moderate		
304-033 / 01-23-96	Pipe joint insulation, 3" OD (elbow)	Hallway by room 125	10% Amosite	4	EA	Undamaged (friable)	Moderate		
304-034	Resilient floor tile and mastic, 9" x 9", white with dark grey thin streaks	Room 125	5% Chrysotile	230	SF	Undamaged (nonfriable)	Low		

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Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	ACM Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
304-035	Resilient floor tile and mastic, 9" x 9", white with dark grey thin streaks	Room 125	3-8% Chrysotile	Ref. sample 034		Undamaged (nonfriable)	Low		
304-036	Resilient sheet flooring and mastic, brown with dark brown streaks	Room 124	None detected	N/A	N/A	N/A	N/A		
304-037	Resilient sheet flooring and mastic, brown with dark brown streaks	Room 124	None detected	N/A	N/A	N/A	N/A		
304-038	Baseboard and mastic, 3" high, brown	Room 124	None detected	N/A	N/A	N/A	N/A		
304-039	Resilient floor tile and mastic, 12" x 12", yellow/brown with dark brown streaks	Room 119	None detected	N/A	N/A	N/A	N/A		
304-040	Resilient floor tile and mastic, 12" x 12", yellow/brown with dark brown streaks	Room 119	None detected	N/A	N/A	N/A	N/A		
304-041	Baseboard and mastic, 3" high, cream	Room 119	None detected	N/A	N/A	N/A	N/A		
304-042	Resilient floor tile and mastic, 12" x 12", cream w/grey and white	Hallway by room 128	None detected	N/A	N/A	N/A	N/A		
304-043	Resilient floor tile and mastic, 12" x 12", beige with red and green dots	Freight entrance by elevators	2% Chrysotile	50	SF	Undamaged (nonfriable)	Low		
304-044	Plaster finish coat	Freight entrance by elevators	None detected	N/A	N/A	N/A	N/A		

2 823

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	ACM Condition and Friability	Potential Exposure	Priority	Response
304-045	Plaster finish coat	Freight entrance by elevators	None detected	N/A	N/A	N/A		
304-046	Resilient floor tile and mastic, 9" x 9", green with black and white long thin streaks	Hallway by room 103	None detected	N/A	N/A	N/A		
304-047	Baseboard and mastic, 3" high, brow	Room 104	None detected	N/A	N/A	N/A		
304-048	Resilient floor tile and mastic, 12" x 12", white with olive long blotches	Room 103	5% Chrysotile	375	SF Undamaged (nonfriable)	Low		
304-049	Resilient floor tile and mastic, 12" x 12", white with thin tan streaks	Room 106	None detected	N/A	N/A	N/A		
304-050	Ceiling tile mastic, brown	Room 106	None detected	N/A	N/A	N/A		
304-051	Ceiling tile, 12" x 12", type 1	Room 106	None detected	N/A	N/A	N/A		
304-052	Ceiling panel, 2' x 4', type 6	Room 106	None detected	N/A	N/A	N/A		
304-053	Ceiling panel, 2' x 4', type 6	Room 106	None detected	N/A	N/A	N/A		
304-054	Wall and ceiling plaster	Room 106	None detected	N/A	N/A	N/A		
304-055	Resilient floor tile and mastic, 9" x 9", grey with cream and black streaks	2nd floor hallway by elevator	5-15% Chrysotile (mastic->1% asbestos)	Ref. sample 001	Undamaged (nonfriable)	Low		
304-056	Resilient floor tile and mastic, 9" x 9", light brown (wood grain)	Elevator	10% Chrysotile	150	SF Undamaged (nonfriable)	Low		

82-024

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
304-057	Resilient floor tile and mastic, 9" x 9", light brown wood	Elevator	10-15% Chrysotile	Ref. sample 056		Undamaged (nonfriable)	Low		
304-058	Ceiling panel, 2' x 4', type 2	Second floor hallway by elevator	None detected	N/A	N/A	N/A	N/A		
304-059 / 01-25-96	Pipe joint insulation, 5" OD (elbow)	Room 217	5% Amosite	2	EA	Undamaged (friable)	Moderate	7	Maintain
304-060 / 01-25-96	Pipe run insulation, 5" OD	Room 217	5% Amosite	18	LF	Undamaged (friable)	Moderate	7	Maintain
304-061	Resilient sheet flooring and mastic, grey	Room 217	None detected	N/A	N/A	N/A	N/A		
304-062	Resilient floor tile and mastic, 9" x 9", black with white and cream streaks	Hallway by room 207	10% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
304-063	Resilient floor tile and mastic, 9" x 9", green with black and white long thin streaks	Hallway by room 207	None detected	N/A	N/A	N/A	N/A		
304-064 / 01-25-96	Pipe joint insulation, 5" OD (elbow)	Roof, HVAC equipment	20-25% Amosite 15-20% Chrysotile	6	EA	Damaged (friable)	Low	4	Patch
304-065	Pipe joint insulation, 5" OD (elbow)	Roof, HVAC equip.	None detected	N/A	N/A	N/A	N/A		
304-066	Pipe joint insulation, 6" OD (elbow)	Roof, HVAC equip.	None detected	N/A	N/A	N/A	N/A		
304-067 / 01-25-96	Pipe joint insulation, 6" OD (elbow)	Attic, north- east end	15-20% Amosite 5-10% Chrysotile	4	EA	Undamaged (friable)	Low	7	Maintain
304-068	Pipe joint insulation, 6" OD (elbow)	Attic, northeast end	None detected	N/A	N/A	N/A	N/A		

82.020

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
304-069 / 01-25-96	Pipe joint insulation, 6" OD (elbow)	Attic, north- east end	5-10% Amosite 10-20% Chrysotile 20-25% Crocidolite	Ref. sample 067		Undamaged (friable)	Low	7	Maintain
304-070 / 01-25-96	Pipe joint insulation, 3" OD (elbow)	Attic, north- east end	10% Amosite	10	EA	Undamaged (friable)	Low	7	Maintain
304-071 / 01-25-96	Pipe joint insulation, 3" OD (elbow)	Attic, north- east end	20-30% Amosite 15-25% Crocidolite	Ref. sample 070		Undamaged (friable)	Low	7	Maintain
304-072 / 01-25-96	Pipe joint insulation, 3" OD (elbow)	Attic, north- east end	5-10% Chrysotile	Ref. sample 070		Undamaged (friable)	Low	7	Maintain
304-073	Pipe joint insulation, 4" OD (elbow)	Attic, northeast end	None detected	N/A	N/A	N/A	N/A		
304-074 / 01-25-96	Pipe joint insulation, 4" OD (elbow)	Attic, north- east end	5-15% Amosite 3-8% Chrysotile	8	EA	Undamaged (friable)	Low	7	Maintain
304-075	Pipe joint insulation, 4" OD (elbow)	Attic, northeast end	None detected	N/A	N/A	N/A	N/A		
304-076 / 01-25-96	Pipe run insulation, 4" OD	Attic, north- east end	10% Amosite	25	LF	Undamaged (friable)	Low	7	Maintain
304-077 / 01-25-96	Pipe run insulation, 4" OD	Attic, north- east end	5% Amosite	Ref. sample 076		Undamaged (friable)	Low	7	Maintain
304-078 / 01-25-96	Pipe run insulation, 4" OD	Attic, north- east end	20-25% Amosite 20-30% Crocidolite	Ref. sample 076		Undamaged (friable)	Low	7	Maintain
304-079 / 01-25-96	Pipe run insulation, 6" OD	Attic, north- east end	10% Amosite	20	LF	Slightly damaged (friable)	Low	6	Patch
304-080 / 01-25-96	Pipe run insulation, 6" OD	Attic, north- east end	10% Amosite	Ref. sample 076		Slightly damaged (friable)	Low	6	Patch

82-526

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
304-081 / 01-25-96	Pipe run insulation, 6" OD	Attic, north- east end	20-30% Amosite	Ref. sample 076	076	Undamaged (friable)	Low	7	Maintain
304-082 / 01-25-96	Pipe run insulation, 6" OD (at pipe end)	Attic, north- east end	10% Amosite	3	EA	Undamaged (friable)	Low	7	Maintain
304-083 / 01-25-96	Pipe run insulation, 6" OD (at pipe end)	Attic, north- east end	30-40% Amosite 5-10% Crocidolite	Ref. sample 082		Undamaged (friable)	Low	7	Maintain
304-084 / 01-25-96	Pipe run insulation, 6" OD (at pipe end)	Attic, north- east end	10% Amosite	Ref. sample 082		Undamaged (friable)	Low	7	Maintain
304-085	Exterior stucco	Roof, south	None detected	N/A	N/A	N/A	N/A		
304-086	Exterior stucco	Roof, west	None detected	N/A	N/A	N/A	N/A		
304-087	Exterior stucco	Roof, south	None detected	N/A	N/A	N/A	N/A		
304-088	Air conditioning lagging, white	Roof, northeast end	None detected	N/A	N/A	N/A	N/A		
304-089	Air conditioning lagging, white	Roof, northeast end	None detected	N/A	N/A	N/A	N/A		
304-090	Air conditioning lagging, black	Roof, northeast end	None detected	N/A	N/A	N/A	N/A		
304-091	Air conditioning lagging, black	Roof, northeast end	None detected	N/A	N/A	N/A	N/A		
304-092 / 01-25-96	Pipe run insulation, 5" OD (No access, assumed to exist)	Basement, crawl space	40% Crocidolite	6,090	LF	Damaged (friable)	High		
304-093 / 01-25-96	Pipe run insulation, 4" OD See 304-092	Basement, crawl space	5% Amosite	Ref. sample 092		Damaged (friable)	High		
304-094 / 01-25-96	Pipe run insulation, 4" OD See 304-092	Basement, crawl space	35-45% Amosite 30-40% Crocidolite	Ref. sample 092		Damaged (friable)	High		

22, 50

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
304-095/ 01-25-96	Pipe joint insulation, 3" OD (elbow) See 304-092	Basement, crawl space	5% Amosite	Ref. sample 092		Damaged (friable)	High		
304-096/ 01-25-96	Pipe run insulation, 3" OD See 304-092	Basement, crawl space	20% Crocidolite	Ref. sample 092		Damaged (friable)	High		
304-097/ 01-25-96	Pipe run insulation, 3" OD See 304-092	Basement, crawl space	25-30% Amosite 30-40% Crocidolite	Ref. sample 092		Damaged (friable)	High		
304-098/ 01-25-96	Pipe joint insulation, 4" OD (elbow) See 304-092	Basement, crawl space	20% Crocidolite	Ref. sample 092		Damaged (friable)	High		
304-099/ 01-25-96	Pipe run insulation, 4" OD See 304-092	Basement, crawl space	20% Amosite 10% Crocidolite	Ref. sample 092		Damaged (friable)	High		
304-100/ 01-25-96	Pipe run insulation, 4" OD See 304-092	Basement, crawl space	3-8% Chrysotile	Ref. sample 092		Damaged (friable)	High		
304-101/ 01-25-96	Pipe run insulation, 5" OD	Basement, hallway by crawl space	10% Crocidolite	Ref. sample 092		Undamaged (friable)	Low	7	Maintain
304-102/ 01-25-96	Pipe joint insulation, 4" OD (elbow)	Basement, hallway by crawl space	20-25% Amosite 5-10% Chrysotile	Ref. sample 092		Damaged (friable)	High	4	Patch
304-103/ 01-25-96	Pipe joint insulation, 4" OD (fitting)	Basement, hallway by crawl space	20% Amosite 10% Chrysotile	Ref. sample 092		Undamaged (friable)	Low	7	Maintain
304-104/ 01-25-96	Pipe run insulation, 4" OD	Basement, hallway by crawl space	20-30% Amosite 5-10% Chrysotile	Ref. sample 092		Undamaged (friable)	Low	7	Maintain
304-105/ 01-25-96	Pipe joint insulation, 4" OD (elbow)	Basement, hallway by crawl space	20% Crocidolite	Ref. sample 092		Undamaged (friable)	Low	7	Maintain

82-028

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
304-106 / 01-25-96	Pipe run insulation, 4" OD No access, assumed to exist	Basement, crawl space	25-40% Amosite 5-10% Crocidolite	Ref. sample 092		Damaged (friable)	High		
304-107 / 01-25-96	Pipe joint insulation, 4" OD (elbow) See 304-106	Basement, crawl space	10% Amosite 10% Crocidolite	Ref. sample 092		Damaged (friable)	High		
304-108 / 01-25-96	Pipe run insulation, 4" OD See 304-106	Basement, crawl space	5% Amosite 10% Crocidolite	Ref. sample 092		Damaged (friable)	High		
304-109 / 01-25-96	Pipe joint insulation, 4" OD (elbow) See 304-106	Basement, crawl space	5-15% Amosite 3-8% Crocidolite	Ref. sample 092		Damaged (friable)	High		
304-110	Plaster composite	Basement by elev.	None detected	N/A	N/A	N/A	N/A		
304-111	Plaster composite	1st Fl. by elevator	None detected	N/A	N/A	N/A	N/A		
304-112	Pipe run insulation, 3" OD	2nd Fl. by elevator	None detected	N/A	N/A	N/A	N/A		
304-113 / 01-25-96	REMOVED	-	-	-	-	-	-	-	-
304-114 / 01-25-96	REMOVED	-	-	-	-	-	-	-	-
304-115 / 01-25-96	REMOVED	-	-	-	-	-	-	-	-
304-116 / 01-25-96	REMOVED	-	-	-	-	-	-	-	-
304-117 / 01-25-96	REMOVED	-	-	-	-	-	-	-	-

82, 509

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
304-118 / 01-25-96	REMOVED	-	-	-	-	-	-	-	-
304-119 / 01-25-96	REMOVED	-	-	-	-	-	-	-	-
304-120 / 01-25-96	REMOVED	-	-	-	-	-	-	-	-
304-121 / 01-25-96	Pipe run insulation, 4" OD No access, assumed to exist	Basement, crawl space	5% Chrysotile	Ref. sample 092	092	Undamaged (friable)	Low	-	-
304-122 / 01-25-96	Pipe joint insulation, 4" OD (elbow) See 304-121	Basement, crawl space	20% Amosite	Ref. sample 092	092	Undamaged (friable)	Low	-	-
304-123 / 01-25-96	Pipe run insulation, 5" OD See 304-121	Basement, crawl space	25-35% Amosite 15-20% Crocidolite	Ref. sample 092	092	Undamaged (friable)	Low	-	-
304-124 / 01-25-96	Pipe joint insulation, 5" OD (elbow) See 304-121	Basement, crawl space	20% Crocidolite	Ref. sample 092	092	Undamaged (friable)	Low	-	-
304-125 / 01-25-96	Pipe joint insulation, 5" OD (elbow) See 304-121	Basement, crawl space	20% Crocidolite	Ref. sample 092	092	Undamaged (friable)	Low	-	-
304-126 / 01-25-96	Pipe joint insulation, 5" OD (elbow) See 304-121	Basement, crawl space	25-30% Amosite 25-30% Crocidolite	Ref. sample 092	092	Undamaged (friable)	Low	-	-
304-127 / 01-25-96	REMOVED	-	-	-	-	-	-	-	-
304-128 / 01-25-96	REMOVED	-	-	-	-	-	-	-	-

82-510

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
304-129 / 01-25-96	Pipe run insulation, 5" OD	Basement, hallway, crawl space	40% Amosite	Ref. sample 092	092	Undamaged (friable)	Low	7	Maintain
304-130 / 01-25-96	Pipe run insulation, 5" OD	Basement, hallway, crawl space	15-20% Amosite 25-30% Crocidolite	Ref. sample 092	092	Undamaged (friable)	Low	7	Maintain
304-131 / 01-25-96	Pipe joint insulation, 4" OD (elbow)	Basement, crawl space	30-40% Amosite 30-40% Crocidolite	Ref. sample 092	092	Damaged (friable)	High	4	Patch
304-132 / 01-25-96	Pipe run insulation, 3" OD No access, assumed to exist	Basement, crawl space	40% Crocidolite	Ref. sample 092	092	Damaged (friable)	High		
304-133 / 01-25-96	Pipe joint insulation, 3" OD (elbow) See 304-132	Basement, crawl space	40% Amosite	Ref. sample 092	092	Damaged (friable)	High		
304-134 / 01-25-96	Pipe run insulation, 4" OD See 304-132	Basement, crawl space	50-60% Amosite 5-15% Crocidolite	Ref. sample 092	092	Damaged (friable)	High		
304-135 / 01-25-96	Pipe run insulation, 4" OD See 304-132	Basement, crawl space	40-50% Amosite 15-20% Crocidolite	Ref. sample 092	092	Damaged (friable)	High		
304-136 / 01-25-96	Pipe joint insulation, 3" OD (elbow) See 304-132	Basement, crawl space	40% Amosite	Ref. sample 092	092	Damaged (friable)	High		
304-137 / 01-25-96	Pipe run insulation, 3" OD See 304-132	Basement, crawl space	40% Amosite	Ref. sample 092	092	Damaged (friable)	High		
304-138 / 01-25-96	Pipe joint insulation, 4" OD (elbow) See 304-132	Basement, crawl space	20-30% Amosite 15-20% Crocidolite	Ref. sample 092	092	Damaged (friable)	High		
304-139 / 01-25-96	Pipe run insulation, 5" OD See 304-132	Basement, crawl space	20% Amosite 20% Crocidolite	Ref. sample 092	092	Damaged (friable)	High		

82-511

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
304-140 / 01-25-96	Pipe joint insulation, 5" OD (elbow)See 304-132	Basement, crawl space	20% Crocidolite	Ref. sample 092		Undamaged (friable)	Low		
304-141 / 01-25-96	Pipe joint insulation, 4" OD (elbow)See 304-132	Basement, crawl space	30-40% Amosite 5-15% Crocidolite	Ref. sample 092		Damaged (friable)	High		
304-142 / 01-25-96	Pipe joint insulation, 6" OD (elbow)See 304-132	Basement, crawl space	50-60% Amosite 10-20% Crocidolite	Ref. sample 092		Damaged (friable)	High		
304-143	Resilient sheet flooring, reddish	Basement hallway	None detected	N/A	N/A	N/A	N/A		
304-144	Resilient sheet flooring, reddish	Basement hallway	None detected	N/A	N/A	N/A	N/A		
304-145	Resilient sheet flooring, reddish	Basement hallway	None detected	N/A	N/A	N/A	N/A		
304-146 / 01-24-96	Pipe run insulation, 8" OD No access, assumed to exist	Mechanical room, # 004	20% Crocidolite	30	LF	Undamaged (friable)	Low		
304-147 / 01-24-96	Pipe run insulation, 8" OD See 304-146	Mechanical room, # 004	30-40% Amosite 15-25% Crocidolite	Ref. sample 146		Undamaged (friable)	Low		
304-148 / 01-24-96	Pipe run insulation, 8" OD See 304-146	Mechanical room, # 004	20% Crocidolite	Ref. sample 146		Undamaged (friable)	Low		
304-149 / 01-24-96	Pipe joint insulation, 8" OD (elbow)See 304-146	Mechanical room, # 004	10% Amosite 5% Crocidolite	5	EA	Undamaged (friable)	Low		
304-150 / 01-24-96	Pipe joint insulation, 8" OD (elbow)See 304-146	Mechanical room, # 004	30-45% Amosite 10-20% Crocidolite	Ref. sample 149		Undamaged (friable)	Low		
304-151 / 01-24-96	Pipe run insulation, 8" OD See 304-146	Mechanical room, # 004	40-50% Amosite 5-15% Crocidolite	Ref. sample 146		Undamaged (friable)	Low		

82.512

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	ACM Condition and Friability	Potential Exposure	Priority	Response
304-152/ 01-23-96	Pipe run insulation, 8" OD See 304-146	Mechanical room, # 004	20% Amosite	Ref. sample 146	Undamaged (friable)	Moderate		
304-153/ 01-23-96	Pipe run insulation, 4" OD	Basement, hallway by rooms 2 & 14	20% Amosite	210 LF	Undamaged (friable)	Moderate	7	Maintain
304-154/ 01-23-96	Pipe run insulation, 4" OD	Basement, hallway by rooms 2 & 14	50-55% Amosite 5-10% Crocidolite	Ref. sample 153	Undamaged (friable)	Moderate	7	Maintain
304-155/ 01-23-96	Pipe joint insulation, 4" OD (elbow)	Basement, hallway by rooms 2 & 14	20% Crocidolite	35 EA	Undamaged (friable)	Moderate	7	Maintain
304-156/ 01-23-96	Pipe joint insulation, 4" OD (elbow)	Basement, hallway by rooms 2 & 14	25-30% Amosite 5-15% Crocidolite	Ref. sample 155	Undamaged (friable)	Moderate	7	Maintain
304-157/ 01-23-96	Pipe joint insulation, 4" OD (elbow)	Basement, hallway by rooms 2 & 14	10% Crocidolite	Ref. sample 155	Undamaged (friable)	Moderate	7	Maintain
304-158/ 01-23-96	Pipe run insulation, 4" OD	Basement, hallway by rooms 2 & 14	30-40% Amosite 25-35% Crocidolite	Ref. sample 153	Undamaged (friable)	Moderate	7	Maintain
304-159/ 01-23-96	Pipe run insulation, 4" OD	Basement, hallway by rooms 2 & 14	20% Crocidolite	Ref. sample 153	Undamaged (friable)	Moderate	7	Maintain
304-160/ 01-23-96	Pipe joint insulation, 4" OD (elbow)	Basement, hallway by rooms 2 & 14	20% Crocidolite	Ref. sample 155	Undamaged (friable)	Moderate	7	Maintain
304-161/ 01-23-96	Pipe joint insulation, 3" OD (elbow)	Basement, hallway by rooms 2 & 14	5% Chrysotile	Ref. sample 155	Damaged (friable)	High	4	Remove
304-162/ 01-23-96	Pipe joint insulation, 3" OD (elbow)	Basement, hallway by rooms 2 & 14	10-20% Chrysotile	Ref. sample 155	Damaged (friable)	High	4	Remove
304-163	VOID	VOID	VOID	VOID	VOID	VOID		

82, 573

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
304-164	Pipe run insulation, 20" OD (plaster material)	Equipment room	None detected	N/A	N/A	N/A	N/A		
304-165	Pipe run insulation, 20" OD (plaster material)	Equipment room	None detected	N/A	N/A	N/A	N/A		
304-166 / 01-24-96	Pipe run insulation, 10" OD	Equipment room	40% Amosite	317	LF	Damaged (friable)	High	4	Patch
304-167 / 01-24-96	Pipe joint insulation, 10" OD (elbow)	Equipment room	40% Amosite	Ref. sample 166		Damaged (friable)	High	4	Patch
304-168 / 01-24-96	Pipe run insulation, 10" OD	Equipment room	10-15% Amosite 10-20% Crocidolite	Ref. sample 166		Damaged (friable)	High	4	Patch
304-169 / 01-24-96	Pipe joint insulation, 10" OD (elbow)	Equipment room	30-40% Amosite 15-20% Crocidolite	Ref. sample 166		Damaged (friable)	High	4	Patch
304-170	Canvas lagging, black	Equipment room	None detected	N/A	N/A	N/A	N/A		
304-171	Canvas lagging, black	Equipment room	None detected	N/A	N/A	N/A	N/A		
304-172 / 01-24-96	Pipe run insulation, 4" OD	Equipment room east crawl space	20% Crocidolite	Ref. sample 092		Undamaged (friable)	Low	7	Maintain
304-173 / 01-24-96	Pipe joint insulation, 4" OD (elbow)	Equipment room east crawl space	15-20% Amosite 35-40% Crocidolite	Ref. sample 092		Damaged (friable)	High	4	Patch
304-174 / 01-24-96	Pipe run insulation, 4" OD	Equipment room east crawl space	20% Amosite 20% Crocidolite	Ref. sample 092		Undamaged (friable)	Low	7	Maintain
304-175 / 01-24-96	Pipe joint insulation, 4" OD (elbow)	Equipment room east crawl space	40% Crocidolite	Ref. sample 092		Undamaged (friable)	Low	7	Maintain

82-514

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
304-176/ 01-24-96	Pipe run insulation, 5" OD	Equipment room east crawl space	25-30% Amosite 15-20% Crocidolite	Ref. sample 092		Undamaged (friable)	Low	7	Maintain
304-177/ 01-24-96	Pipe run insulation, 5" OD	Equipment room east crawl space	20-30% Amosite 10-20% Crocidolite	Ref. sample 092		Undamaged (friable)	Low	7	Maintain
304-178/ 01-24-96	Pipe joint insulation, 5" OD (fitting)	Equipment room east crawl space	20% Amosite 20% Crocidolite	Ref. sample 092		Undamaged (friable)	Low	7	Maintain
304-179/ 01-24-96	Pipe joint insulation, 5" OD (fitting)	Equipment room east crawl space	20% Crocidolite	Ref. sample 092		Undamaged (friable)	Low	7	Maintain
304-180/ 01-24-96	Pipe run insulation, 4" OD	Equipment room east crawl space	15-20% Amosite 35-45% Crocidolite	Ref. sample 092		Undamaged (friable)	Low	7	Maintain
304-181/ 01-24-96	Pipe joint insulation, 4" OD (elbow)	Equipment room east crawl space	20-25% Amosite 30-35% Crocidolite	Ref. sample 092		Undamaged (friable)	Low	7	Maintain
304-182/ 01-24-96	Pipe run insulation, 4" OD	Equipment room east crawl space	20% Amosite 20% Crocidolite	Ref. sample 092		Undamaged (friable)	Low	7	Maintain
304-183/ 01-24-96	Pipe joint insulation, 4" OD (elbow)	Equipment room east crawl space	20% Crocidolite	Ref. sample 092		Undamaged (friable)	Low	7	Maintain
304-184/ 01-24-96	Debris (suspect TSI) Various locations throughout crawl space	Equipment room east crawl space	30-40% Amosite 20-25% Crocidolite	30	SF	Significantly damaged (friable)	High	3	Remove
304-185	Resilient floor tile and mastic, 12" x 12", grey with black dots	Hallway leading to building 348	None detected	N/A	N/A	N/A	N/A		
304-186	Resilient floor tile and mastic, 12" x 12", grey with black dots	Room 177A	None detected	N/A	N/A	N/A	N/A		

82-515

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
304-187	Resilient floor tile and mastic, 12" x 12" white with small grey streaks	Room 2	Mastic->1% asbestos (Floor tile-none detected)	180	SF	Undamaged (nonfriable)	Low		
304-188	Resilient floor tile and mastic, 12" x 12" white with small grey streaks	Room 2	3% Chrysotile	Ref. sample 187		Undamaged (nonfriable)	Low		
304-189	Resilient floor tile and mastic, 12" x 12" solid tan	Basement, room 10	None detected	N/A	N/A	N/A	N/A		
304-190	Resilient floor tile and mastic, 12" x 12" solid tan	Basement, room 10	None detected	N/A	N/A	N/A	N/A		
304-191	Resilient sheet flooring and mastic, Room 244 small white square pattern	Room 244	35% Chrysotile	300	SF	Undamaged (nonfriable)	Low		
304-192	Resilient sheet flooring and mastic, Room 231A small white square pattern	Room 231A	35% Chrysotile	Ref. sample 191		Undamaged (nonfriable)	Low		
304-193	Resilient floor tile and mastic, 12" x 12" white with large olive streaks	Room 215	None detected	N/A	N/A	N/A	N/A		
304-194	Resilient floor tile and mastic, 12" x 12" white with large olive streaks	Room 215	None detected	N/A	N/A	N/A	N/A		
304-195	Resilient sheet flooring and mastic, tan/yellow with small squares	Room 208	None detected	N/A	N/A	N/A	N/A		
304-196	Resilient sheet flooring and mastic, tan/yellow with small squares	Room 207	None detected	N/A	N/A	N/A	N/A		

2-516

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
304-197	Resilient floor tile and mastic, 12" x 12" tan with tan streaks	Room 206	None detected	N/A	N/A	N/A	N/A		
304-198	Resilient floor tile and mastic, 12" x 12" white with black dots	Room 206	Mastic->1% asbestos (Floor tile-none detected)	1,000	SF	Undamaged (nonfriable)	Low		
304-199	Resilient floor tile and mastic, 12" x 12" grey w/black and white streaks	Room 206	None detected	N/A	N/A	N/A	N/A		
304-200	Resilient floor tile and mastic, 12" x 12" white with black dots	Room 205	None detected	N/A	N/A	N/A	N/A		
304-201	Resilient floor tile and mastic, 12" x 12" grey w/black and white streaks	Room 205	None detected	N/A	N/A	N/A	N/A		
304-202	Resilient floor tile and mastic, 12" x 12" tan with tan streaks	Room 206	2% Chrysotile	30	SF	Undamaged (nonfriable)	Low		
304-203	Resilient floor tile and mastic, 12" x 12", white with brown	Room 2	0.5% Chrysotile (mastic-10% Chrysotile)	160	SF	Damaged (nonfriable)	Moderate		

NOTES:

- 1) Ref. Ref. 304-092 to 100/102/106 to 109/131 to 139/141/142/161/162/166 to 169/173. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref. 304-025 to 027/030 to 033/059/060/064/067/069 to 072/074/076 to 084/092 to 109/113 to 142/146 to 162/166 to 169/172 to 183. Based on these samples, estimated amounts of suspect ACM pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.

82.517

- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 5) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 6) In some rooms several different types of resilient floor tile may be present. In instances where the asbestos-containing RFT comprises the majority of the floor area, all floor tiles have been combined together when calculating the total square footage of materials to be abated. This is as follows:
- 9" x 9" grey with cream and black streak RFT includes 9" x 9" green with black and white with long thin streaks RFT in hallway leading to building 348, in the hallway on the 2nd floor near room 267, and in the hallway on the 1st floor by room 135, includes includes 9" x 9" light grey with black and white streaks RFT in hallway by room 125, includes 12" x 12" beige with white streaks RFT in room 150, includes 9" x 9" black with white/cream streaks RFT in hallway on 2nd floor, and includes 12" x 12" grey with black dots RFT in room 177a. 9" x 9" white with grey streaks RFT includes grey resilient sheet flooring (RSF) in room 119B; and 12" x 12" white with olive long blotches RFT includes 12" x 12" white with dark grey thin streaks RFT in room 114.
- 7) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 8) Ref. 304-022. Sink Undercoat is typically a black, cream, or grey material found on the underside of many sinks located throughout the VA Hospital complex. The black, grey, and some of the cream material has been found to be asbestos-positive. The newer material appears to be a white fibrous material which has been found to be asbestos-negative. It is nearly impossible to accurately estimate the number of sinks which have asbestos-containing sink undercoat material without sampling each individual sink in question. Therefore, the number listed in the ACM Quantity column is the number of asbestos-positive sinks in that area. An estimate of the total number of sinks with ACM-sink undercoat is provided in Section b. Material and Cost Data.
- 9) The roofing system of this building was not sampled. Building Analytics was informed that the roofing materials have been recently installed and that any cutting of the roofing membrane would void the warranty period of the roof.
- 10) Ref. 304-062. Approximately 100 square feet of damaged asbestos - containing 9"x9" RFT removed in Surgery Svc. Hallway in 1994.

c. Sampling Records

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
BUILDING 306									
306-001 / 01-12-96	Pipe joint insulation, 4" OD (elbow)	Room 112A	20% Amosite 20% Chrysotile	6	EA	Undamaged (friable)	Moderate	7	Maintain
306-002 / 01-12-96	Pipe joint insulation, 4" OD (elbow)	Room 112A	15-25% Amosite 10-20% Chrysotile	Ref. sample 001		Undamaged (friable)	Moderate	7	Maintain
306-003 / 01-12-96	Pipe joint insulation, 4" OD (elbow)	Room 112A	25-30% Amosite 15-20% Chrysotile	Ref. sample 001		Undamaged (friable)	Moderate	7	Maintain
306-004	Pipe joint insulation, 3" OD (elbow)	Room 112A	20% Amosite 20% Chrysotile	8	EA	Undamaged (friable)	Moderate	7	Maintain
306-005	Pipe run insulation, 3" OD	Room 112A	None detected	N/A	N/A	N/A	N/A		
306-006	Pipe run insulation, 4" OD	Room 112A	None detected	N/A	N/A	N/A	N/A		
306-007	Textured paint and plaster (on ceiling)	Room 112A	None detected	N/A	N/A	N/A	N/A		
306-008	Resilient floor tile and mastic, 12" x 12", white with grey streaks	Restroom Room 112C	2% Chrysotile (mastic->1% asbestos)	70	SF	Undamaged (nonfriable)	Low		
306-009	Resilient floor tile and 12" x 12", white with grey streaks	Restroom Room 112C	Floor tile-none detected (mastic->1% asbestos)	Ref. sample 008		Undamaged (nonfriable)	Low		
306-010	Resilient floor tile and 12" x 12", white with grey streaks	Restroom Room 112C	Floor tile-none detected (mastic->1% asbestos)	Ref. sample 008		Undamaged (nonfriable)	Low		
306-011	Resilient floor tile and mastic, 9" x 9", beige with brown and white	Room 112D	15% Chrysotile	2,230	SF	Undamaged (nonfriable)	Low		

82 - 079

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
306-012	Resilient floor tile and mastic, 9" x 9", beige with brown and white	Room 112D	10-20% Chrysotile (mastic->1% asbestos)	Ref. sample 011	011	Undamaged (nonfriable)	Low		
306-013	Resilient floor tile and mastic, 9" x 9", beige with brown and white	Room 112	15-20% Chrysotile (mastic->1% asbestos)	Ref. sample 011	011	Undamaged (nonfriable)	Low		
306-014	Resilient floor tile and mastic, 9" x 9", dark red	Room 112C	15% Chrysotile	Ref. sample 011	011	Undamaged (nonfriable)	Low		
306-015	Resilient floor tile and mastic, 9" x 9", dark red	Room 112D	5-15% Chrysotile (mastic->1% asbestos)	Ref. sample 011	011	Undamaged (nonfriable)	Low		
306-016	Resilient floor tile and mastic, 9" x 9", dark red	Room 112	5-10% Chrysotile (mastic->1% asbestos)	Ref. sample 011	011	Undamaged (nonfriable)	Low		
306-017 / 01-12-96	Pipe joint insulation, 3" OD (elbow)	Room 112, fire equipment	20% Amosite 20% Chrysotile	1	EA	Undamaged (friable)	Moderate	7	Maintain
306-018	Textured paint and plaster (on ceiling)	Room 111, front entrance	3-8% Amosite	Ref. Note #9		Undamaged (nonfriable)	Moderate		
306-019	Pipe run insulation and lagging, 4" OD	Room 111, front entrance	None detected	N/A	N/A	N/A	N/A		
306-020 / 01-12-96	Pipe joint insulation, 3" OD (fitting)	Room 112, east wall	20% Amosite 40% Chrysotile	1	EA	Undamaged (friable)	Moderate	7	Maintain
306-021	Textured paint and plaster (on ceiling)	Room 112	None detected	N/A	N/A	N/A	N/A		
306-022	Resilient floor tile and mastic, 12" x 12", white w/brown spots	Room 111	2% Chrysotile (mastic->1% asbestos)	1,090	SF	Undamaged (nonfriable)	Low		

82-520

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
306-023	Resilient floor tile and mastic, 12" x 12", white w/brown spots	Room 111	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 022		Undamaged (nonfriable)	Low		
306-024	Resilient floor tile and mastic, 12" x 12", white w/brown spots	Room 111	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 022		Undamaged (nonfriable)	Low		
306-025	Resilient floor tile and mastic, 12" x 12", white w/copper and white streaks	Room 105	None detected	N/A	N/A	N/A	N/A		
306-026	Resilient floor tile and mastic, 12" x 12", white with copper and white streaks	Room 105	Floor tile-none detecte (mastic->1% asbestos)	1,950	SF	Undamaged (nonfriable)	Low		
306-027	Resilient floor tile and mastic, 12" x 12", white with copper and white streaks	Room 105	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 026		Undamaged (nonfriable)	Low		
306-028	Resilient floor tile and mastic, 9" x 9", grey and white	West stairwell near room 105	2% Chrysotile (mastic->1% asbestos)	1,920	SF	Undamaged (nonfriable)	Low		
306-029	Resilient floor tile and mastic, 9" x 9", grey and white	West stairwell near room 105	3-8% Chrysotile (mastic->1% asbestos)	Ref. sample 028		Undamaged (nonfriable)	Low		
306-030	Resilient floor tile and mastic, 9" x 9", grey and white	West stairwell near room 105	1-5% Chrysotile	Ref. sample 028		Undamaged (nonfriable)	Low		
306-031	Ceiling panel, 2' x 4', type 1	Room 105	None detected	N/A	N/A	N/A	N/A		
306-032	Ceiling panel, 2' x 4', type 1	Room 105	None detected	N/A	N/A	N/A	N/A		
306-033	Ceiling panel, 2' x 4', type 1	Room 105	None detected	N/A	N/A	N/A	N/A		
306-034	Plaster composite (ceiling cavity)	Room 105	None detected	N/A	N/A	N/A	N/A		

82-521

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
306-035	Plaster composite (ceiling cavity)	Room 105	None detected	N/A	N/A	N/A	N/A		
306-036	Plaster composite (ceiling cavity)	Room 105	None detected	N/A	N/A	N/A	N/A		
306-037	Baseboard and mastic, 5" high, brow	Room 105	None detected	N/A	N/A	N/A	N/A		
306-038	Baseboard and mastic, 5" high, brow	Room 105	None detected	N/A	N/A	N/A	N/A		
306-039	Baseboard and mastic, 5" high, brow	Room 105	None detected	N/A	N/A	N/A	N/A		
306-040	Ceiling panel, 2' x 4', type 2	West stairwell near room 105	None detected	N/A	N/A	N/A	N/A		
306-041	Ceiling panel, 2' x 4', type 2	West stairwell near room 105	None detected	N/A	N/A	N/A	N/A		
306-042	Ceiling panel, 2' x 4', type 2	West stairwell near room 105	None detected	N/A	N/A	N/A	N/A		
306-043	Joint compound (ceiling cavity)	Room 105	None detected	N/A	N/A	N/A	N/A		
306-044	Joint compound (ceiling cavity)	Room 105	None detected	N/A	N/A	N/A	N/A		
306-045	Resilient floor tile and mastic, 9" x 9", clay red	Room 107E	10% Chrysotile (mastic-none detected)	60	SF	Undamaged (nonfriable)	Low		
306-046	Resilient floor tile and mastic, 9" x 9", clay red	Room 107E	5-12% Chrysotile (mastic-none detected)	Ref. sample 045		Undamaged (nonfriable)	Low		
306-047	Resilient floor tile and mastic, 9" x 9", clay red	Room 107E	5-10% Chrysotile (mastic->1% asbestos)	Ref. sample 045		Undamaged (nonfriable)	Low		

82-522

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
306-048	Baseboard and mastic, 3" high, brow	Room 101	None detected	N/A	N/A	N/A	N/A		
306-049	Baseboard and mastic, 3" high, brow	Room 101	None detected	N/A	N/A	N/A	N/A		
306-050	Baseboard and mastic, 3" high, brow	Room 101	None detected	N/A	N/A	N/A	N/A		
306-051	Carpet mastic	Room 101	None detected	N/A	N/A	N/A	N/A		
306-052	Carpet mastic	Room 101	None detected	N/A	N/A	N/A	N/A		
306-053 / 01-12-96	Pipe joint insulation, 5" OD (elbow)	Room 5	3-10% Chrysotile	4	EA	Undamaged (friable)	Moderate	7	Maintain
306-054 / 01-12-96	Pipe joint insulation, 5" OD (elbow)	Room 5	2% Chrysotile	Ref. sample 053		Slightly damaged (friable)	Moderate	5	Patch
306-055	Resilient floor tile, 12" x 12", white with grey streaks	Hallway by men's restroom	2% Chrysotile (mastic->1% asbestos)	210	SF	Undamaged (nonfriable)	Low		
306-056	Resilient floor tile, 12" x 12", white with grey streaks	Hallway by men's restroom	Floor tile-none detecte (mastic->1% asbestos)	Ref. sample 055		Undamaged (nonfriable)	Low		
306-057	Resilient floor tile, 12" x 12", white with grey streaks	Hallway by men's restroom	None detected	N/A	N/A	N/A	N/A		
306-058	Pipe joint insulation, 2" OD (elbow)	Room 5	None detected	N/A	N/A	N/A	N/A		
306-059 / 01-12-96	Pipe joint insulation, 2" OD (elbow)	Room 5	5-12% Chrysotile	1	EA	Undamaged (friable)	Moderate	7	Maintain
306-060	Joint compound	Room 5	None detected	N/A	N/A	N/A	N/A		
306-061	Joint compound	Room 5	None detected	N/A	N/A	N/A	N/A		
306-062	Plaster composite	Room 5	None detected	N/A	N/A	N/A	N/A		

22-520

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
306-063	Plaster composite	Room 7	None detected	N/A	N/A	N/A	N/A		
306-064	Baseboard, 3" high, white	Room 10	None detected	N/A	N/A	N/A	N/A		
306-065	Baseboard, 3" high, white	Room 10	None detected	N/A	N/A	N/A	N/A		
306-066	Baseboard, 3" high, white	Room 10	None detected	N/A	N/A	N/A	N/A		
306-067	White material	Room 5	None detected	N/A	N/A	N/A	N/A		
306-068	White material	Room 5	None detected	N/A	N/A	N/A	N/A		
306-069	Pipe joint insulation, 3" OD elbow)	Room 1	None detected	N/A	N/A	N/A	N/A		
306-070/ 01-12-96	Pipe joint insulation, 3" OD (elbow)	Room 1	10-20% Amosite 3-10% Chrysotile	1	EA	Undamaged (friable)	Moderate	7	Maintain
306-071	Pipe joint insulation, 3" OD (elbow)	Hallway by men's restroom	None detected	N/A	N/A	N/A	N/A		
306-072	Debris (suspect TSI)	Hallway by women's restroom	None detected	N/A	N/A	N/A	N/A		
306-073	Pipe joint insulation, 3" OD (elbow)	Hallway by men's restroom	None detected	N/A	N/A	N/A	N/A		
306-074/ 01-12-96	Pipe joint insulation, 3" OD (elbow)	Mechanical room	30-40% Amosite 10-25% Chrysotile	5	EA	Damaged (friable)	High	4	Patch
306-075/ 01-12-96	REMOVED								
306-076	Pipe joint insulation, 6" OD (elbow)	Mechanical room	None detected	N/A	N/A	N/A	N/A		

2-524

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
306-077 / 01-16-96	Pipe joint insulation, 3" OD (elbow)	Mechanical room	10% Amosite 20% Chrysotile	15	EA	Damaged (friable)	High	4	Patch
306-078 / 01-16-96	Pipe joint insulation, 3" OD (elbow)	Mechanical room	15-30% Amosite 20-30% Chrysotile	12	EA	Damaged (friable)	High	4	Patch
306-079 / 01-16-96	Pipe joint insulation, 5" OD (elbow)	Mechanical room	20% Amosite 20% Chrysotile	2	EA	Damaged (friable)	High	7	Maintain
306-080 / 01-16-96	Pipe run insulation, 4" OD, (mastic and cork)	Mechanical room	5% Chrysotile	40	LF	Undamaged (friable)	Low	7	Maintain
306-081	Roofing composite	Roof, east side	5-12% Chrysotile	Ref. Note #10		Undamaged (nonfriable)	Low		
306-082	Roofing composite	Roof, north side	None detected	N/A	N/A	N/A	N/A		
306-083	Roofing cap sheet, black	Roof, north side	None detected	N/A	N/A	N/A	N/A		
306-084	Roofing cap sheet, black	Roof, north side	None detected	N/A	N/A	N/A	N/A		
306-085	Roofing cap sheet, black	Roof, north side	None detected	N/A	N/A	N/A	N/A		
306-086	Roofing cap sheet, black	Roof, north side	None detected	N/A	N/A	N/A	N/A		
306-087	Roofing shingles, green	Roof, north side	None detected	N/A	N/A	N/A	N/A		
306-088	Roofing shingles, green	Roof, north side	None detected	N/A	N/A	N/A	N/A		
306-089	Roofing shingles, green	Roof, north side	None detected	N/A	N/A	N/A	N/A		
306-090	Roofing mastic	Roof, south side	None detected	N/A	N/A	N/A	N/A		
306-091	Roofing mastic (at pitch pocket)	Roof, west side	10% Chrysotile	100	SF	Undamaged (nonfriable)	Low		

02-525

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
306-092	Pipe run lagging	Roof	None detected	N/A	N/A	N/A	N/A		
306-093	Pipe run lagging	Roof	None detected	N/A	N/A	N/A	N/A		
306-094	Roofing composite	Roof, south side	None detected	N/A	N/A	N/A	N/A		
306-095	Textured paint and plaster (on ceiling)	Room 112	None detected	N/A	N/A	N/A	N/A		
306-096	Textured paint and plaster (on ceiling)	Room 111	None detected	N/A	N/A	N/A	N/A		
306-097	Textured paint and plaster (on ceiling)	Room 112	None detected	N/A	N/A	N/A	N/A		
306-098	Textured paint and plaster (on ceiling)	Room 111	None detected	N/A	N/A	N/A	N/A		
306-099	Roofing composite	Roof, northeast side	None detected	N/A	N/A	N/A	N/A		
306-100	Roofing composite	Roof, south side	None detected	N/A	N/A	N/A	N/A		
306-101	Roofing composite	Roof, northwest side	None detected	N/A	N/A	N/A	N/A		

82 526

NOTES:

- 1) Ref. 306-074/075/077 to 079. Even though this classification does not follow strict AHERA guidelines, all friable materials in damaged condition are classified as having a high potential for exposure.
- 2) Ref. 306-001 to 004/017/020/053/054/059/070/074/075/077 to 081. Based on these samples, estimated amounts of suspect ACM: pipe insulation are included in the total amounts in Section b. Material and Cost Data.
- 3) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 4) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 5) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transite piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 6) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 7) In some rooms several different types of resilient floor tile may be present. In instances where the asbestos-containing RFT comprises the majority of the floor area, all floor tiles have been combined together when calculating the total square footage of materials to be abated. This is as follows:
9" x 9" beige with brown and white streaks RFT includes 9" x 9" dark red RFT in room 112, 112D; 12" x 12" white with grey streaks includes 9" x 9" dark red RFT in room 112C.
- 8) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/ or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.
- 9) Ref. 306-014. This sample was originally misplaced by the VA Asbestos Laboratory in Saint Louis. Another sample was taken in the same vicinity. Please see the VA sampling logs for resubmission of this number.
- 10) Ref. 306-007/018/021/095/096/097/098. Textured paint and plaster (on ceiling). Seven samples of the textured paint and plaster were taken. Only sample #018 was identified as asbestos-containing. Since six other samples were identified as non-asbestos-containing, it is possible that contamination is responsible for the asbestos-positive results. In Section b. Material and Cost Data, we have not included this material in the total cost for abatement.
- 11) Ref. 306-081/082/094/099/100/101. Roofing composite. Six roofing composite samples were taken at building 306. Only sample #081 was identified as asbestos-containing. It is assumed that roofing mastic is responsible for the asbestos-positive condition.

c. Sampling Records

BUILDING 307

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
307-001	Resilient sheet flooring and maetic, orange	Room 106, kitchen	40% Chrysotile	700	SF	Undamaged (nonfriable)	Low		
307-002	Resilient sheet flooring, speckled white	Room 106, kitchen	10% Chrysotile	700	SF	Undamaged (nonfriable)	Low		
307-003	Resilient sheet flooring, orange	Room 106, kitchen	20% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
307-004	Resilient sheet flooring, speckled white	Room 106, kitchen	None detected	N/A	N/A	N/A	N/A		
307-005 / 02-12-96	REMOVED	-	-	-	-	-	-	-	-
307-006 / 02-12-96	REMOVED	-	-	-	-	-	-	-	-
307-007 / 02-12-96	REMOVED	-	-	-	-	-	-	-	-
307-008 / 02-12-96	REMOVED	-	-	-	-	-	-	-	-
307-009	Roofing shingle	Roof	None detected	N/A	N/A	N/A	N/A		
307-010	Roofing shingle	Roof	None detected	N/A	N/A	N/A	N/A		
307-011	Roofing shingle	Roof	None detected	N/A	N/A	N/A	N/A		

1528

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
307-012	Exterior stucco	East side	None detected	N/A	N/A	N/A	N/A		
307-013	Exterior stucco	South side	None detected	N/A	N/A	N/A	N/A		
307-014	Roofing shingle	Garage	None detected	N/A	N/A	N/A	N/A		
307-015	Roofing shingle	Garage	None detected	N/A	N/A	N/A	N/A		
307-016	Exterior stucco	Garage, north side	None detected	N/A	N/A	N/A	N/A		
307-017	Exterior stucco	Garage, north side	None detected	N/A	N/A	N/A	N/A		
307-018	Roofing felt	Garage	None detected	N/A	N/A	N/A	N/A		
307-019	Roofing felt	Garage	None detected	N/A	N/A	N/A	N/A		

NOTES:

- 1) The potential exposure designation for ACMs is based on the vacancy conditions found in the building at the time of the initial asbestos survey; the surveyed building was vacant at the time of the asbestos survey. Once the use of the surveyed area changes, the potential for damage should be reassessed and appropriate management procedures implemented.
- 2) Once confirmed as asbestos-containing, all pipe insulation is considered to be friable.
- 3) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber, or cork, or if further sampling results show non detection for asbestos.
- 4) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.

P2-529

c. Sampling Records

BUILDING 316

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
316-001	Ceiling/wall tiles (12" x 12")	Room 102, office	None detected	N/A	N/A	N/A	N/A		
316-002	Ceiling/wall tiles (12" x 12")	Room 102, office	None detected	N/A	N/A	N/A	N/A		
316-003	Baseboard, 3" high, beige	Room 102, office	None detected	N/A	N/A	N/A	N/A		
316-004	Baseboard, 3" high, beige	Room 102, office	None detected	N/A	N/A	N/A	N/A		
316-005	Resilient floor tile and mastic, yellow and brown	Room 102, office	None detected	N/A	N/A	N/A	N/A		
316-006	Resilient floor tile and mastic, yellow and brown	Room 102, office	None detected	N/A	N/A	N/A	N/A		
316-007	Roofing cap sheet with mastic	Roof	None detected	N/A	N/A	N/A	N/A		
316-008	Roofing cap sheet with mastic	Roof	3-8% Chrysotile	500	SF	Undamaged (nonfriable)	Low		
316-009	Roofing mastic	Roof	5-10% Chrysotile	10	LF	Undamaged (nonfriable)	Low		

82-530

c. Sampling Records

BUILDING 319

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
319-001	Roofing cap sheet	Roof	None detected	N/A	N/A	N/A	N/A		
319-002	Roofing cap sheet	Roof	None detected	N/A	N/A	N/A	N/A		
319-003	Roofing cap sheet	Roof	None detected	N/A	N/A	N/A	N/A		

NOTE:

1) No asbestos-containing materials were identified in any of the samples taken from this building.

8-531

c. Sampling Records

BUILDING 320

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
320-001	Roofing mastic	Roof	20% Chrysotile	50	SF	Undamaged (nonfriable)	Low		
320-002	Roofing mastic	Roof	10-15% Chrysotile	Ref. sample 001		Undamaged (nonfriable)	Low		
320-003	Resilient sheet flooring	Entrance	None detected	N/A	N/A	N/A	N/A		
320-004	Resilient sheet flooring	Entrance	None detected	N/A	N/A	N/A	N/A		
320-005	Wallboard (fiberboard)	Wall near front entrance	None detected	N/A	N/A	N/A	N/A		
320-006	Wallboard (fiberboard)	Wall near front entrance	None detected	N/A	N/A	N/A	N/A		

NOTES:

- 1) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 2) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.

82-532

c. Sampling Records

BUILDING 325

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
325-001	Exterior stucco	West side	None detected	N/A	N/A	N/A	N/A		
325-002	Baseboard and mastic, 3" high, black	Interior	None detected	N/A	N/A	N/A	N/A		
325-003	Baseboard and mastic, 3" high, black	Interior	None detected	N/A	N/A	N/A	N/A		
325-004	Roofing shingles	Roof	None detected	N/A	N/A	N/A	N/A		
325-005	Roofing shingles	Roof	None detected	N/A	N/A	N/A	N/A		

NOTE:

1) No asbestos-containing materials were identified in any of the samples taken from this building.

82-133

c. Sampling Records

BUILDING 326									
Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Exposure Potential	Priority	Response
326-001	Baseboard and mastic, 5" high, orange	Office	None detected	N/A	N/A	N/A	N/A		
326-002	Baseboard and mastic, 5" high, orange	Office	None detected	N/A	N/A	N/A	N/A		
326-003	Resilient floor tile, 12" x 12", white	Office, below orange floor tile	None detected	N/A	N/A	N/A	N/A		
326-004	Resilient floor tile, 12" x 12", white	Office, below orange floor tile	5-10% Chrysotile (mastic-none detected)	500	SF	Undamaged (nonfriable)	Low		
326-005	Resilient floor tile, 12" x 12", orange	Office	None detected	N/A	N/A	N/A	N/A		
326-006	Resilient floor tile, 12" x 12", orange	Office	None detected	N/A	N/A	N/A	N/A		
326-007	Ceiling panel, 2' x 4', type 1	Office	None detected	N/A	N/A	N/A	N/A		
326-008	Ceiling panel, 2' x 4', type 1	Office	None detected	N/A	N/A	N/A	N/A		
326-009	Joint compound	Office	None detected	N/A	N/A	N/A	N/A		

NOTES:

- 1) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 2) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.

22. 534

c. Sampling Records

BUILDING 332

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	ACM Condition Unit and Friability	Potential Exposure	Priority	Response
332-001	Roofing shingle and mastic	Roof of small shed	None detected	N/A	N/A	N/A		
332-002	Roofing shingle and mastic	Roof of large shed	None detected	N/A	N/A	N/A		

NOTE:

1) No asbestos-containing materials were identified in any of the samples taken from this building.

82-535

c. Sampling Records

BUILDING 337											
Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response		
337-001	Resilient floor tile, 12" x 12", blue	Hallway adjacent to room 115	None detected	N/A	N/A	N/A	N/A				
337-002	Resilient floor tile, 12" x 12", blue	Hallway adjacent to room 115	None detected	N/A	N/A	N/A	N/A				
337-003	Resilient floor tile, 12" x 12", blue	Hallway adjacent to room 115	None detected	N/A	N/A	N/A	N/A				
337-004	Baseboard and mastic, 5" high, tan	Hallway adjacent to room 115	None detected	N/A	N/A	N/A	N/A				
337-005	Baseboard and mastic, 5" high, tan	Hallway adjacent to room 115	None detected	N/A	N/A	N/A	N/A				
337-006	Plaster composite	Hallway adjacent to room 115	None detected	N/A	N/A	N/A	N/A				
337-007	Resilient floor tile, 9" x 9", brown with white streaks	Room 112	1-5% Chrysotile (mastic > 1% asbestos)	730	SF	Undamaged (nonfriable)	Low				
337-008	Resilient floor tile, 9" x 9", brown with white streaks	Room 110	5% Chrysotile (mastic-none detected)	Ref. sample 007		Undamaged (nonfriable)	Low				
337-009	Baseboard and mastic, 5" high, yellow	Room 109	None detected	N/A	N/A	N/A	N/A				
337-010	Baseboard and mastic, 5" high, yellow	Room 109	None detected	N/A	N/A	N/A	N/A				

P. 536

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
337-011	Resilient floor tile, 9" x 9", brown with white streaks	Room 117	10% Chrysotile (mastic-none detected)	Ref. sample 007	N/A	Undamaged (nonfriable)	Low		
337-012	Resilient floor tile, 12" x 12", tan with brown and white	Room 118	None detected	N/A	N/A	N/A	N/A		
337-013	Baseboard and mastic, 5" high, yellow	Room 118	None detected	N/A	N/A	N/A	N/A		
337-014	Resilient floor tile, 12" x 12", tan with brown and white	Room 118	None detected	N/A	N/A	N/A	N/A		
337-015	Ceiling panel, 2' x 4', type 1	Main entrance adjacent to room 119	None detected	N/A	N/A	N/A	N/A		
337-016	Ceiling panel, 2' x 4', type 1	Main entrance adjacent to room 119	None detected	N/A	N/A	N/A	N/A		
337-017 / 01-11-96	Duct insulation (aircell)	Mechanical room, basement	40% Chrysotile	500	SF	Undamaged (friable)	Low	7	Maintain
337-018 / 01-11-96	Duct insulation (aircell)	Mechanical room, basement	2% Amosite 5% Chrysotile	Ref sample 017		Undamaged (friable)	Low	7	Maintain
337-019 / 01-11-96	Duct insulation (aircell)	Mechanical room, basement	25-40% Amosite 15-20% Chrysotile	Ref. sample 017		Undamaged (friable)	Low	7	Maintain
337-020	Roof composite	Roof	None detected	N/A	N/A	N/A	N/A		
337-021	Roof composite	Roof	None detected	N/A	N/A	N/A	N/A		
337-022	Roof composite	Roof	None detected	N/A	N/A	N/A	N/A		

22. 6. 97

Sample No. / Date Verified	Material Description	Material Location	Laboratory Results For Asbestos Content	ACM Quantity	Unit	ACM Condition and Friability	Potential Exposure	Priority	Response
337-023	Penetration mastic	Roof	2% Chrysotile	300	SF	Undamaged (nonfriable)	Low		
337-024	Penetration mastic	Roof	10% Chrysotile	Ref. sample 023		Undamaged (nonfriable)	Low		

NOTES:

- 1) In the "ACM Quantity" column, we have included all quantities of readily accessible materials (i.e., floor tile, exterior stucco, etc.) which were observed. For inaccessible materials (i.e., pipe insulation, air cell duct insulation, transit piping, etc.), we are including only the ACM quantities observed in the immediate sampling area. For the total quantities of ACM shown in Section b. Material and Cost Data, we have made assumptions based on limited samples, limited accessibility, and the mechanical drawings provided by VA representatives. If general building conditions indicate its presence, pipe insulation concealed by lath and plaster is assumed to be asbestos-containing.
- 2) Assume all pipe run and joint insulation to be ACM unless referenced in the Sampling Records as non-ACM; or if visually confirmed to be fiberglass, rubber or cork, or if further sampling results show non detection for asbestos.
- 3) In the material description for ceiling tiles and panels, the term "type" is used to distinguish the different textures, patterns and colors encountered during the field survey.
- 4) In general, penetration mastic and roofing mastic refer to the same material. Roofing mastic refers to any mastic material present on roofs at flashings and/or patched areas, etc. Penetration mastic refers to mastic material located at/or around roof penetrations, i.e. mastic around vents, ductwork, or other electrical or plumbing penetrations, etc. The unit cost for abatement is the same for both materials.

2, 3