

Appendix N

Southwest Vermiculite Removal Assessment (Data Tables Only)

Dynamac Corporation

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TABLE 2:
AREA A, PLM Results for Surface Soil Samples (0 to 1 inch bgs and 1 to 6 inches bgs)

Sample No.	Grid No.	Type of Sample (C or G)	Depth of Sample (inches bgs)	Laboratory ID.	Chain-of-Custody No.	Percentage Asbestos (amphibole) Content
AA-001-01	1	C	0 to 1	041102258-0001	SWV-01/31/11-0002	> 0% but < 0.20%
AA-002-01	2	C	0 to 1	041102258-0002	SWV-01/31/11-0002	> 0% but < 0.20%
AA-002-16	2	C	1 to 6	041102258-0003	SWV-01/31/11-0002	> 0% but < 0.20%
AA-004-01	4	G	0 to 1	041102278-0001	SWV-01/31/11-0003	Non-Detect
AA-005-01	5	G	0 to 1	041102278-0002	SWV-01/31/11-0003	Non-Detect
AA-006-01	6	G	0 to 1	041102242-0001	SWV-01/31/11-0004	> 0% but < 0.20%
AA-011-01	11	G	0 to 1	041102242-0002	SWV-01/31/11-0004	Non-Detect
AA-012-01	12	G	0 to 1	041102258-0010	SWV-01/31/11-0002	Non-Detect
AA-013-01	13	G	0 to 1	041102258-0011	SWV-01/31/11-0002	Non-Detect
AA-014-01	14	G	0 to 1	041102278-0003	SWV-01/31/11-0003	Non-Detect
AA-015-01	15	G	0 to 1	041102242-0003	SWV-01/31/11-0004	Non-Detect
AA-016-01	16	G	0 to 1	041102242-0004	SWV-01/31/11-0004	Non-Detect
AA-017-01	17	G	0 to 1	041102242-0005	SWV-01/31/11-0004	Non-Detect
AA-018-01 (Duplicate of AA-004-01)	4	G	0 to 1	041102278-0004	SWV-01/31/11-0003	> 0.20% but < 1.0 %

KEY

AA = Area A (Southwest Vermiculite)

bgs = below ground surface

C = 5-point composite

G = Grab

TABLE 3:
AREA A, PLM Results for Subsurface Soil Samples (6 to 72 inches bgs)

Sample No.	Grid No.	Depth of Sample (inches bgs)	Laboratory ID.	Chain-of-Custody No.	Percentage Asbestos (amphibole) Content
AA-006-12	6	6 to 12	041102258-0004	SWV-01/31/11-0002	> 0% but < 0.20%
AA-006-24	6	12 to 24	041102258-0005	SWV-01/31/11-0002	> 0% but < 0.20%
AA-006-36	6	24 to 36	041102258-0006	SWV-01/31/11-0002	> 0% but < 0.20%
AA-006-48	6	36 to 48	041102258-0007	SWV-01/31/11-0002	Non-Detect
AA-006-60	6	48 to 60	041102258-0008	SWV-01/31/11-0002	Non-Detect
AA-006-72	6	60 to 72	041102258-0009	SWV-01/31/11-0002	Non-Detect

KEY

AA = Area A (Southwest Vermiculite)

bgs = below ground surface

Table 4:

AREA A: Percent Moisture Results for Surface Soil Samples (0 to 1 inch bgs and 1 to 6 inches bgs)

Sample No.	Grid No.	Depth of Sample (inches bgs)	Laboratory ID.	Chain-of-Custody No.	Percent Moisture
AA-001-01	1	0 to 1	361100288-0001	SWV-1/31/11-0002	3.00%
AA-002-16	2	1 to 6	361100288-0002	SWV-1/31/11-0002	11.00%
AA-004-01	4	0 to 1	361100289-0001	SWV-1/31/11-0003	0.80%
AA-005-01	5	0 to 1	361100289-0002	SWV-1/31/11-0003	1.40%
AA-006-01	6	0 to 1	361100286-0001	SWV-1/31/11-0004	1.80%
AA-011-01	11	0 to 1	361100286-0002	SWV-1/31/11-0004	0.90%
AA-012-01	12	0 to 1	361100288-0003	SWV-1/31/11-0002	1.20%
AA-013-01	13	0 to 1	361100288-0004	SWV-1/31/11-0002	6.40%
AA-014-01	14	0 to 1	361100289-0003	SWV-1/31/11-0003	12.90%
AA-015-01	15	0 to 1	361100286-0003	SWV-1/31/11-0004	1.70%
AA-016-01	16	0 to 1	361100286-0004	SWV-1/31/11-0004	1.80%
AA-017-01	17	0 to 1	361100286-0005	SWV-1/31/11-0004	3.30%
AA-018-01 (Duplicate of AA-004-01)	4	0 to 1	361100289-0004	SWV-1/31/11-0003	0.80%

KEY:

AA = Area A (Southwest Vermiculite)

bgs = below ground surface

TABLE 5:

AREA A, Particle Size Results for Surface Soil Samples (0 to 1 inch bgs and 1 to 6 inches bgs)

Sample No.	Grid No.	Depth of Sample (inches bgs)	Lab Case No.	COC No.	Sieve Data: Percent Passing							
					> 1"	3/4" - 1"	3/8"-3/4"	4.75mm - 3/8"	2.00 mm - 4.75 mm	425 µm - 2.00 mm	75 µm - 425 µm	< 75 µm
AA-001-01	1	0 to 1	36100288	SWV-1/31/11-0002	0.00%	0.00%	12.82%	26.71%	12.46%	17.49%	26.33%	4.19%
AA-002-16	2	1 to 6	36100288	SWV-1/31/11-0002	0.00%	0.00%	13.48%	21.99%	26.37%	36.91%	1.25%	0.00%
AA-004-01	4	0 to 1	36100289	SWV-1/31/11-0003	0.00%	0.00%	1.84%	11.40%	17.90%	24.10%	31.09%	13.67%
AA-005-01	5	0 to 1	36100289	SWV-1/31/11-0003	0.00%	0.00%	10.56%	18.13%	12.82%	19.20%	28.94%	10.35%
AA-006-01	6	0 to 1	36100286	SWV-1/31/11-0004	0.00%	0.00%	16.47%	8.76%	13.26%	22.96%	29.80%	8.76%
AA-011-01	11	0 to 1	36100286	SWV-1/31/11-0004	0.00%	0.00%	19.22%	14.96%	13.25%	17.86%	31.02%	3.70%
AA-012-01	12	0 to 1	36100288	SWV-1/31/11-0002	0.00%	0.00%	1.06%	13.91%	13.04%	24.27%	32.53%	15.19%
AA-013-01	13	0 to 1	36100288	SWV-1/31/11-0002	0.00%	0.00%	6.28%	13.76%	15.96%	27.27%	35.15%	1.58%
AA-014-01	14	0 to 1	36100289	SWV-1/31/11-0003	0.00%	0.00%	38.83%	16.33%	13.99%	19.07%	11.32%	0.46%
AA-015-01	15	0 to 1	36100286	SWV-1/31/11-0004	0.00%	0.00%	21.45%	15.14%	15.08%	20.46%	20.28%	7.60%
AA-016-01	16	0 to 1	36100286	SWV-1/31/11-0004	0.00%	11.33%	13.03%	19.48%	12.78%	19.75%	20.86%	2.76%
AA-017-01	17	0 to 1	36100286	SWV-1/31/11-0004	0.00%	0.00%	16.48%	20.31%	14.77%	20.14%	22.73%	5.57%
AA-018-01 (Duplicate of AA-004-01)	4	0 to 1	36100289	SWV-1/31/11-0003	0.00%	0.00%	3.53%	18.73%	16.60%	21.47%	31.24%	8.43%

KEY:

AA = Area A (Southwest Vermiculite)

bgs = below ground surface

COC = Chain of Custody

mm = millimeter

" = inches

µm = micrometer

TABLE 6:
AREA B, PLM Results for Surface Soil Samples (0 to 1 inch bgs and 1 to 6 inches bgs)

Sample No.	Grid No.	Depth of Sample (inches bgs)	Laboratory ID.	Chain-of-Custody No.	Percentage Asbestos (amphibole) Content
AB-001-01	1	0 to 1	041116442-0001	SWV-06/21/11-0008	Non-Detect
AB-002-01	2	0 to 1	041116442-0002	SWV-06/21/11-0008	Non-Detect
AB-003-01	3	0 to 1	041116442-0003	SWV-06/21/11-0008	Non-Detect
AB-004-01	4	0 to 1	041116442-0004	SWV-06/21/11-0008	> 0% but < 0.20%
AB-005-01	5	0 to 1	041116442-0005	SWV-06/21/11-0008	Non-Detect
AB-006-01	6	0 to 1	041116442-0006	SWV-06/21/11-0008	Non-Detect
AB-007-01	7	0 to 1	041116442-0007	SWV-06/21/11-0008	> 0% but < 0.20%
AB-008-01	8	0 to 1	041116442-0008	SWV-06/21/11-0008	> 0% but < 0.20%
AB-009-01	9	0 to 1	041116442-0009	SWV-06/21/11-0008	> 0% but < 0.20%
AB-010-01	10	0 to 1	041116442-0010	SWV-06/21/11-0008	Non-Detect
AB-011-01	11	0 to 1	041116442-0011	SWV-06/21/11-0008	> 0% but < 0.20%
AB-011-16	11	1 to 6	041116473-0001	SWV-06/21/11-0009	Non-Detect
AB-012-01	12	0 to 1	041116442-0012	SWV-06/21/11-0008	> 0% but < 0.20%
AB-012-16	12	1 to 6	041116473-0002	SWV-06/21/11-0009	>0.25% but <1 %
AB-013-01	13	0 to 1	041116442-0013	SWV-06/21/11-0008	>0.25% but <1 %
AB-013-16	13	1 to 6	041116473-0003	SWV-06/21/11-0009	2%
AB-014-01	14	0 to 1	041116442-0014	SWV-06/21/11-0008	> 0% but < 0.20%
AB-014-16	14	1 to 6	041116473-0004	SWV-06/21/11-0009	2%
AB-015-01	15	0 to 1	041116442-0015	SWV-06/21/11-0008	> 0% but < 0.20%
AB-015-16	15	1 to 6	041116473-0005	SWV-06/21/11-0009	> 0% but < 0.20%
AB-016-01	16	0 to 1	041116442-0016	SWV-06/21/11-0008	> 0% but < 0.20%

TABLE 6:
AREA B, PLM Results for Surface Soil Samples (0 to 1 inch bgs and 1 to 6 inches bgs)

Sample No.	Grid No.	Depth of Sample (inches bgs)	Laboratory ID.	Chain-of-Custody No.	Percentage Asbestos (amphibole) Content
AB-016-16	16	1 to 6	041116473-0006	SWV-06/21/11-0009	> 0% but < 0.20%
AB-017-01	17	0 to 1	041116442-0017	SWV-06/21/11-0008	> 0% but < 0.20%
AB-017-16	17	1 to 6	041116473-0007	SWV-06/21/11-0009	Non-Detect
AB-018-01	18	0 to 1	041116442-0018	SWV-06/21/11-0008	Non-Detect
AB-018-16	18	1 to 6	041116473-0008	SWV-06/21/11-0009	Non-Detect
AB-019-01	19	0 to 1	041116442-0019	SWV-06/21/11-0008	> 0% but < 0.20%
AB-019-16	19	1 to 6	041116473-0009	SWV-06/21/11-0009	Non-Detect
AB-020-01	20	0 to 1	041116442-0020	SWV-06/21/11-0008	> 0% but < 0.20%
AB-020-16	20	1 to 6	041116473-0010	SWV-06/21/11-0009	Non-Detect
AB-021-01	21	0 to 1	041116442-0021	SWV-06/21/11-0008	Non-Detect
AB-022-01	22	0 to 1	041116442-0022	SWV-06/21/11-0008	> 0% but < 0.20%
AB-023-01	23	0 to 1	041116442-0023	SWV-06/21/11-0008	Non-Detect
AB-024-01	24	0 to 1	041116442-0024	SWV-06/21/11-0008	Non-Detect
AB-025-01	25	0 to 1	041116442-0025	SWV-06/21/11-0008	> 0% but < 0.20%
AB-026-01	26	0 to 1	041116442-0026	SWV-06/21/11-0008	Non-Detect
AB-027-01 (Duplicate of AB-016-01)	27	0 to 1	041116442-0027	SWV-06/21/11-0008	> 0% but < 0.20%
AB-028-01 (Duplicate of AB-018-01)	28	0 to 1	041116442-0028	SWV-06/21/11-0008	Non-Detect
AB-029-01 (Duplicate of AB-024-01)	29	0 to 1	041116442-0029	SWV-06/21/11-0008	Non-Detect

KEY:

AB = Area B (New Mexico DOT Railroad Right-of-Way)
bgs = below ground surface

TABLE 7

AREA B, PLM Results for Subsurface Soil Samples (6-36 inches bgs)

Sample No.	Grid No.	Depth of Sample (inches bgs)	Laboratory ID.	Chain-of-Custody No.	Percentage Asbestos (amphibole) Content
AB-002-12	2	6 to 12	041116653-0012	SWV-06/21/11-0011	Non-Detect
AB-002-24	2	12 to 24	041116653-0013	SWV-06/21/11-0011	Non-Detect
AB-002-36	2	24 to 36	041116653-0014	SWV-06/21/11-0011	Non-Detect
AB-007-12	7	6 to 12	041116653-0015	SWV-06/21/11-0011	> 0% but < 0.20%
AB-007-24	7	12 to 24	041116653-0016	SWV-06/21/11-0011	Non-Detect
AB-007-36	7	24 to 36	041116653-0017	SWV-06/21/11-0011	> 0% but < 0.20%
AB-013-12	13	6 to 12	041116653-0018	SWV-06/21/11-0011	2%
AB-013-24	13	12 to 24	041116653-0019	SWV-06/21/11-0011	>0.25% but <1 %
AB-013-36	13	24 to 36	041116653-0020	SWV-06/21/11-0011	> 0% but < 0.20%
AB-018-12	18	6 to 12	041116653-0021	SWV-06/21/11-0011	Non-Detect
AB-018-24	18	12 to 24	041116653-0022	SWV-06/21/11-0011	Non-Detect
AB-018-36	18	24 to 36	041116653-0001	SWV-06/21/11-0011	Non-Detect

KEY:

AB = Area B (New Mexico DOT Railroad Right-of-Way)

bgs = below ground surface

Table 8:

AREA B: Percent Moisture Results for Surface Soil Samples (1 to 6 inches bgs)

Sample No.	Grid No.	Depth of Sample (inches bgs)	Laboratory Case No.	Chain-of-Custody No.	Percent Moisture
AB-011-16	11	1 to 6	361101365	SWV-6/21/11-0010	0.60%
AB-012-16	12	1 to 6	361101365	SWV-6/21/11-0010	0.75%
AB-013-16	13	1 to 6	361101365	SWV-6/21/11-0010	1.10%
AB-014-16	14	1 to 6	361101365	SWV-6/21/11-0010	0.70%
AB-015-16	15	1 to 6	361101365	SWV-6/21/11-0010	3.50%
AB-016-16	16	1 to 6	361101365	SWV-6/21/11-0010	2.55%
AB-017-16	17	1 to 6	361101365	SWV-6/21/11-0010	4.23%
AB-018-16	18	1 to 6	361101365	SWV-6/21/11-0010	4.10%
AB-019-16	19	1 to 6	361101365	SWV-6/21/11-0010	2.30%
AB-020-16	20	1 to 6	361101365	SWV-6/21/11-0010	0.92%

KEY:

AB = Area B (New Mexico DOT Railroad Right-of-Way)

bgs = below ground surface

TABLE 9:
AREA B, Particle Size Results for Surface Soil Samples (1 to 6 inches bgs)

Sample No.	Grid No.	Depth of Sample (inches bgs)	Lab Case No.	COC No.	Sieve Data: Percent Passing							
					> 1"	3/4" - 1"	3/8"-3/4"	4.75mm - 3/8"	2.00 mm - 4.75 mm	425 µm - 2.00 mm	75 µm - 425 µm	< 75 µm
AB-011-16	11	1 to 6	361101365	SWV-6/21/11-0010	0.00%	0.00%	5.96%	8.63%	13.49%	29.67%	31.82%	10.33%
AB-012-16	12	1 to 6	361101365	SWV-6/21/11-0010	0.00%	0.00%	8.48%	6.34%	14.01%	30.68%	30.39%	10.10%
AB-013-16	13	1 to 6	361101365	SWV-6/21/11-0010	0.00%	0.00%	4.25%	4.98%	5.73%	51.63%	24.89%	8.52%
AB-014-16	14	1 to 6	361101365	SWV-6/21/11-0010	0.00%	0.00%	3.60%	2.49%	6.45%	43.61%	33.55%	10.31%
AB-015-16	15	1 to 6	361101365	SWV-6/21/11-0010	0.00%	0.00%	42.00%	2.15%	4.67%	20.82%	59.91%	12.03%
AB-016-16	16	1 to 6	361101365	SWV-6/21/11-0010	0.00%	0.00%	2.98%	6.11%	6.85%	17.76%	51.37%	14.93%
AB-017-16	17	1 to 6	361101365	SWV-6/21/11-0010	0.00%	0.00%	0.50%	3.24%	6.65%	22.43%	52.51%	14.67%
AB-018-16	18	1 to 6	361101365	SWV-6/21/11-0010	0.00%	0.00%	4.34%	4.57%	12.38%	27.95%	38.98%	11.78%
AB-019-16	19	1 to 6	361101365	SWV-6/21/11-0010	0.00%	0.00%	0.00%	5.12%	11.37%	25.84%	46.27%	11.40%
AB-020-16	20	1 to 6	361101365	SWV-6/21/11-0010	0.00%	0.00%	12.09%	8.50%	7.91%	16.94%	46.47%	8.09%

KEY:

AB = Area B (New Mexico DOT Railroad Right-of-Way)

bgs = below ground surface

COC = Chain of Custody

mm = millimeter

" = inches

µm = micrometer

Table 10:

AREA C, PLM Results for Surface Soil Samples (0 to 1 inch bgs and 1 to 6 inches bgs)

Sample No.	Grid No.	Depth of Sample (inches bgs)	Laboratory ID.	Chain-of-Custody No.	Percentage Asbestos (amphibole) Content
AC5-001-01	1	0 to 1	041102212-0001	SWV-01/31/11-0005	Non-Detect
AC6-002-01	2	0 to 1	041102278-0005	SWV-01/31/11-0003	Non-Detect
AC7-001-01	1	0 to 1	041116473-0011	SWV-06/21/11-0009	Non-Detect
AC7-001-16	1	1 to 6	041116473-0012	SWV-06/21/11-0009	> 0% but < 0.20%
AC7-002-01(Duplicate of AC7-001-01)	2	0 to 1	041116473-0013	SWV-06/21/11-0009	Non-Detect
AC8-005-01	5	0 to 1	041102278-0006	SWV-01/31/11-0003	2%
AC8-005-16	5	1 to 6	041102278-0007	SWV-01/31/11-0003	> 0% but < 0.20%
AC8-006-01	6	0 to 1	041102278-0008	SWV-01/31/11-0003	Non-Detect
AC8-006-16	6	1 to 6	041102278-0009	SWV-01/31/11-0003	Non-Detect
AC8-007-01	7	0 to 1	041102212-0002	SWV-01/31/11-0005	> 0% but < 0.20%
AC8-007-16	7	1 to 6	041102242-0006	SWV-01/31/11-0004	> 0% but < 0.20%
AC8-008-01	8	0 to 1	041102212-0003	SWV-01/31/11-0005	> 0% but < 0.20%
AC8-008-16	8	1 to 6	041102242-0007	SWV-01/31/11-0004	Non-Detect
AC8-011-16 (Duplicate of AC8-006-16)	6	1 to 6	041102278-0010	SWV-01/31/11-0003	> 0% but < 0.20%
AC9-009-01	9	0 to 1	041102212-0004	SWV-01/31/11-0005	> 0.20% but < 1%
AC9-009-16	9	1 to 6	041102212-0005	SWV-01/31/11-0005	> 0% but < 0.20%
AC9-010-01	10	0 to 1	041102212-0006	SWV-01/31/11-0005	> 0% but < 0.20%
AC9-010-16	10	1 to 6	041102242-0008	SWV-01/31/11-0004	Non-Detect
AC9-012-16 (Duplicate of AC9-009-16)	9	1 to 6	041102242-0009	SWV-01/31/11-0004	> 0% but < 0.20%

KEY:

AC5 = Area C, Lot 5 (Commercial)
AC6 = Area C, Lot 6 (Commercial)
AC7 = Area C, Lot 7 (Residential)
AC8 = Area C, Lot 8 (Residential)
AC9 = Area C, Lot 9 (Vacant)
bgs = below ground surface

Table 11:
AREA C, PLM Results for Subsurface Soil Samples (6 to 72 inches bgs)

Sample No.	Grid No.	Depth of Sample (inches bgs)	Laboratory ID.	Chain-of-Custody No.	Percentage Asbestos (Amphibole) Content
AC6-002-12	2	0 to 12	041102258-0012	SWV-01/31/11-0002	Non-Detect
AC6-002-24	2	12 to 24	041102258-0013	SWV-01/31/11-0002	Non-Detect
AC6-002-36	2	24 to 36	041102258-0014	SWV-01/31/11-0002	Non-Detect
AC6-002-48	2	36 to 48	041102258-0015	SWV-01/31/11-0002	Non-Detect
AC6-002-60	2	48 to 60	041102258-0016	SWV-01/31/11-0002	Non-Detect
AC6-002-72	2	60 to 72	041102258-0017	SWV-01/31/11-0002	Non-Detect
AC8-005-12	5	0 to 12	041102258-0018	SWV-01/31/11-0002	Non-Detect
AC8-005-24	5	12 to 24	041102258-0019	SWV-01/31/11-0002	> 0% but < 0.20%
AC9-010-12	10	0 to 12	041102258-0020	SWV-01/31/11-0002	Non-Detect
AC9-010-24	10	12 to 24	041102258-0021	SWV-01/31/11-0002	Non-Detect
AC9-010-36	10	24 to 36	041102258-0022	SWV-01/31/11-0002	Non-Detect
AC9-010-48	10	36 to 48	041102258-0023	SWV-01/31/11-0002	> 0% but < 0.20%
AC9-010-60	10	48 to 60	041102258-0024	SWV-01/31/11-0002	Non-Detect
AC9-010-72	10	60 to 72	041102258-0025	SWV-01/31/11-0002	> 0% but < 0.20%

KEY:

AC6 = Area C, Lot 6 (Commercial)

AC8 = Area C, Lot 8 (Residential)

AC9 = Area C, Lot 9 (Vacant)

bgs = below ground surface

TABLE 12:
Area C, TEM Results for Surface Soil Samples (0 to 1 inch bgs and 1 to 6 inches bgs)

Sample No.	Laboratory ID.	Depth of Sample (inches bgs)	Number of Grid Openings / Area Analyzed (mm ²)	Libby Amphibole Structures	Other Amphibole Structures	Chrysotile Structures	Total Mass of Asbestos on Filter (mg)	Total Mass Fraction in Residue (%)
AC5-001-01	041102212-0001	0 to 1	27/0.0132	0	0	0	0.00E+00	0.000%
AC6-002-01	041102278-0005	0 to 1	26/0.0132	0	0	0	0.00E+00	0.000%
AC7-001-01	0141116473-0011	0 to 1	10/0.0132	0	0	1	3.30E-07	0.000%
AC7-001-16	0141116473-0012	1 to 6	10/0.0132	1	0	0	1.00E-03	0.102%
AC7-002-01 (Duplicate of AC7-001-01)	0141116473-0013	0 to 1	10/0.0132	0	0	0	0.00E+00	0.000%
AC8-005-01	041102278-0006	0 to 1	13/0.0132	34	0	0	7.50E-03	0.745%
AC8-005-16	041102278-0007	1 to 6	10/0.0132	13	0	2	8.80E-04	0.088%
AC8-006-01	041102278-0008	0 to 1	26/0.0132	0	0	0	0.00E+00	0.000%
AC8-006-16	041102278-0009	1 to 6	10/0.0132	2	0	0	7.50E-05	0.007%
AC8-007-01	041102212-0002	0 to 1	10/0.0132	27	0	0	4.40E-03	0.436%
AC8-008-01	041102212-0003	0 to 1	10/0.0132	5	0	0	1.80E-04	0.018%
AC8-011-16 (Duplicate of AC8-006-16)	041102278-0010	1 to 6	10/0.0132	8	0	0	1.80E-04	0.018%
AC9-009-01	041102212-0004	0 to 1	10/0.0132	10	0	0	4.60E-04	0.046%
AC9-009-16	041102212-0005	1 to 6	10/0.0132	12	0	3	1.80E-03	0.182%
AC9-010-01	041102212-0006	0 to 1	10/0.0132	2	0	0	2.90E-04	0.029%

KEY

AC5 = Area C, Lot 5 (Commercial)

AC6 = Area C, Lot 6 (Commercial)

AC7 = Area C, Lot 7 (Residential)

AC8 = Area C, Lot 8 (Residential)

AC9 = Area C, Lot 9 (Vacant)

bgs = below ground surface

mg = milligrams

mm² = square millimeters

TEM = Transmission Electron Microscopy

TABLE 13:
Area C, TEM Results for Subsurface Soil Samples (6 to 24 inches bgs)

Sample No.	Laboratory ID.	Depth of Sample (inches bgs)	Number of Grid Openings / Area Analyzed (mm ²)	Libby Amphibole Structures	Other Amphibole Structures	Chrysotile Structures	Total Mass of Asbestos on Filter (mg)	Total Mass Fraction in Residue (%)
AC6-002-12	041102258-0012	6 to 12	10/0.0132	1	0	4	2.20E-05	0.002%
AC6-002-24	041102258-0013	12 to 24	26/0.0132	0	0	19	9.40E-06	0.001%
AC8-005-12	041102258-0018	6 to 12	9/0.0132	15	0	3	1.70E-03	0.165%
AC8-005-24	041102258-0019	12 to 24	10/0.0132	11	0	0	2.50E-03	0.252%
AC9-010-12	041102258-0020	6 to 12	25/0.0132	0	0	1	7.20E-07	0.000%
AC9-010-24	041102258-0021	12 to 24	25/0.0132	0	0	0	0.00E+00	0.000%

KEY

AC6 = Area C, Lot 6 (Commercial)

AC8 = Area C, Lot 8 (Residential)

AC9 = Area C, Lot 9 (Vacant)

bgs = below ground surface

mg = milligrams

mm² = square millimeters

TEM = Transmission Electron Microscopy

Table 14:

AREA C: Percent Moisture Results for Surface Soil Samples (0 to 1 and 1 to 6 inches bgs)

Sample No.	Grid No.	Depth of Sample (inches bgs)	Laboratory ID.	Chain-of-Custody No.	Percent Moisture
AC5-001-01	1	0 to 1	361100273-0001	SWV-01/31/11-0005	0.43%
AC6-002-01	2	0 to 1	361100289-0005	SWV-01/31/11-0003	0.30%
AC7-001-16	1	1 to 6	361101365-0011	SWV-06/21/11-0010	7.50%
AC8-005-16	5	1 to 6	361100289-0006	SWV-01/31/11-0003	11.20%
AC8-006-16	6	1 to 6	361100289-0007	SWV-01/31/11-0003	2.30%
AC8-007-16	7	1 to 6	361100286-0006	SWV-01/31/11-0004	3.80%
AC8-008-16	8	1 to 6	361100286-0007	SWV-01/31/11-0004	7.10%
AC8-011-16 (Duplicate of AC8-006-16)	11	1 to 6	361100289-0008	SWV-01/31/11-0003	11.00%
AC9-009-16	9	1 to 6	361100273-0002	SWV-01/31/11-0005	9.00%
AC9-010-16	10	1 to 6	361100286-0008	SWV-01/31/11-0004	7.30%
AC9-012-16 (Duplicate of AC9-009-16)	12	1 to 6	361100286-0009	SWV-01/31/11-0004	8.80%

KEY:

AC5 = Area C, Lot 5 (Commercial)

AC6 = Area C, Lot 6 (Commercial)

AC7 = Area C, Lot 7 (Residential)

AC8 = Area C, Lot 8 (Residential)

AC9 = Area C, Lot 9 (Vacant)

bgs = below ground surface

TABLE 15:
AREA C, Particle Size Results for Surface Soil Samples (0 to 1 and 1 to 6 inches bgs)

Sample No.	Grid No.	Depth of Sample (inches bgs)	Lab Case No.	COC No.	Sieve Data: Percent Passing							
					> 1"	3/4" - 1"	3/8"-3/4"	4.75mm - 3/8"	2.00 mm - 4.75 mm	425 µm - 2.00 mm	75 µm - 425 µm	< 75 µm
AC5-001-01	1	0 to 1	361100273	SWV-1/31/11-0005	0.00%	0.00%	0.00%	2.32%	21.98%	41.18%	25.47%	9.05%
AC6-002-01	2	0 to 1	36100289	SWV-1/31/11-0003	0.00%	0.00%	0.00%	7.92%	33.72%	37.66%	14.87%	5.83%
AC7-001-16	1	1 to 6	361101365	SWV-6/21/11-0010	0.00%	0.00%	2.52%	2.85%	10.14%	34.45%	38.94%	11.10%
AC8-005-16	5	1 to 6	36100289	SWV-1/31/11-0003	0.00%	0.00%	1.72%	5.22%	14.90%	31.10%	43.42%	3.64%
AC8-006-16	6	1 to 6	36100289	SWV-1/31/11-0003	0.00%	0.00%	1.58%	6.91%	14.19%	28.65%	47.13%	1.54%
AC8-007-16	7	1 to 6	36100286	SWV-1/31/11-0004	0.00%	0.00%	4.20%	13.29%	16.83%	27.21%	38.37%	0.10%
AC8-008-16	8	1 to 6	36100286	SWV-1/31/11-0004	0.00%	0.00%	0.00%	5.14%	9.75%	29.50%	55.18%	0.42%
AC8-011-16 (Duplicate of AC8-006-16)	11	1 to 6	36100289	SWV-1/31/11-0003	0.00%	0.00%	0.00%	15.24%	20.22%	29.70%	34.55%	0.29%
AC9-009-16	9	1 to 6	361100273	SWV-1/31/11-0005	0.00%	0.00%	0.00%	7.45%	19.02%	29.29%	42.64%	1.61%
AC9-010-16	10	1 to 6	36100286	SWV-1/31/11-0004	0.00%	0.00%	0.00%	10.10%	10.85%	30.59%	48.11%	0.36%
AC9-012-16 (Duplicate of AC9-009-16)	12	1 to 6	36100286	SWV-1/31/11-0004	0.00%	0.00%	0.00%	7.62%	22.70%	29.17%	40.22%	0.28%

KEY:

AC5 = Area C, Lot 5 (Commercial)

AC6 = Area C, Lot 6 (Commercial)

AC7 = Area C, Lot 7 (Residential)

AC8 = Area C, Lot 8 (Residential)

AC9 = Area C, Lot 9 (Vacant)

bgs = below ground surface

COC = Chain of Custody

mm = millimeter

" = inches

µm = micrometer

Table 16:
AREA D, PLM Results for Surface Soil Samples (0 to 1 inch bgs and 1 to 6 inches bgs)

Sample No.	Grid No.	Depth of Sample (inches bgs)	Laboratory ID.	Chain-of-Custody No.	Percentage Asbestos (amphibole) Content
AD-001-01	1	0 to 1	041116473-0014	SWV-06/21/11-0009	Non-Detect
AD-001-16	1	1 to 6	041116473-0015	SWV-06/21/11-0009	Non-Detect
AD-002-01	2	0 to 1	041116473-0016	SWV-06/21/11-0009	Non-Detect
AD-002-16	2	1 to 6	041116473-0017	SWV-06/21/11-0009	Non-Detect
AD-003-01	3	0 to 1	041116473-0018	SWV-06/21/11-0009	Non-Detect
AD-003-16	3	1 to 6	041116473-0019	SWV-06/21/11-0009	Non-Detect
AD-004-01	4	0 to 1	041116473-0020	SWV-06/21/11-0009	Non-Detect
AD-004-16	4	1 to 6	041116473-0021	SWV-06/21/11-0009	Non-Detect
AD-005-01	5	0 to 1	041116473-0022	SWV-06/21/11-0009	Non-Detect
AD-005-16	5	1 to 6	041116473-0023	SWV-06/21/11-0009	Non-Detect
AD-006-01 (Duplicate of AD-005-01)	5	0 to 1	041116473-0024	SWV-06/21/11-0009	Non-Detect

KEY:

AD = Area D (Coronado Park)

bgs = below ground surface

TABLE 17:
Area D, TEM Results for Surface Soil Samples (0 to 1 inch bgs and 1 to 6 inches bgs)

Sample No.	Laboratory ID.	Depth of Sample (inches bgs)	Number of Grid Openings / Area Analyzed (mm ²)	Libby Amphibole Structures	Other Amphibole Structures	Chrysotile Structures	Total Mass of Asbestos on Filter (mg)	Total Mass Fraction in Residue (%)
AD-001-01	041116473-0014	0 to 1	10/0.0132	0	0	0	0.00E+00	0.000%
AD-001-16	041116473-0015	1 to 6	10/0.0132	0	0	2	4.30E-06	0.000%
AD-002-01	041116473-0016	0 to 1	10/0.0132	0	0	0	0.00E+00	0.000%
AD-002-16	041116473-0017	1 to 6	10/0.0132	0	0	0	0.00E+00	0.000%
AD-003-01	041116473-0018	0 to 1	10/0.0132	0	0	1	3.80E-06	0.000%
AD-003-16	041116473-0019	1 to 6	10/0.0132	0	0	0	0.00E+00	0.000%
AD-004-01	041116473-0020	0 to 1	10/0.0132	0	0	0	0.00E+00	0.000%
AD-004-16	041116473-0021	1 to 6	10/0.0132	0	0	0	0.00E+00	0.000%
AD-005-01	041116473-0022	0 to 1	10/0.0132	0	0	1	8.50E-06	0.001%
AD-005-16	041116473-0023	1 to 6	10/0.0132	0	0	0	1.50E-06	0.000%
AD-006-01 (Duplicate of AD-005-01)	041116473-0024	0 to 1	10/0.0132	0	0	0	0.00E+00	0.000%

KEY:

AD = Area D (Coronado Park)

bgs = below ground surface

mg = milligrams

mm² = square millimeters

TEM = Transmission Electron Microscopy

TABLE 18:
AREA D, Percent Moisture Results for Surface Soil Samples (1 to 6 inches bgs)

Sample No.	Grid No.	Depth of Sample (inches bgs)	Laboratory Case No.	Chain-of-Custody No.	Percent Moisture
AD-001-16	1	1 to 6	361101365	SWV-6/21/11-0010	14.02%
AD-002-16	2	1 to 6	361101365	SWV-6/21/11-0010	21.30%
AD-003-16	3	1 to 6	361101365	SWV-6/21/11-0010	11.93%
AD-004-16	4	1 to 6	361101365	SWV-6/21/11-0010	10.72%
AD-005-16	5	1 to 6	361101365	SWV-6/21/11-0010	11.70%

KEY:

AD = Area D (Coronado Park)

bgs = below ground surface

TABLE 19:
AREA D, Particle Size Results for Surface Soil Samples (1 to 6 inches bgs)

Sample No.	Grid No.	Depth of Sample (inches bgs)	Lab Case No.	COC No.	Sieve Data: Percent Passing							
					> 1"	3/4" - 1"	3/8"-3/4"	4.75mm - 3/8"	2.00 mm - 4.75 mm	425 µm - 2.00 mm	75 µm - 425 µm	< 75 µm
AD-001-16	1	1 to 6	361101365	SWV-6/21/11-0010	0.00%	0.00%	0.00%	0.64%	5.90%	31.76%	53.12%	8.58%
AD-002-16	2	1 to 6	361101365	SWV-6/21/11-0010	0.00%	0.00%	1.04%	2.95%	11.68%	32.33%	43.86%	8.14%
AD-003-16	3	1 to 6	361101365	SWV-6/21/11-0010	0.00%	0.00%	0.00%	0.81%	4.49%	27.14%	47.48%	20.08%
AD-004-16	4	1 to 6	361101365	SWV-6/21/11-0010	0.00%	0.00%	0.85%	2.39%	5.66%	26.69%	53.01%	11.40%
AD-005-16	5	1 to 6	361101365	SWV-6/21/11-0010	0.00%	0.00%	0.15%	0.45%	2.31%	24.81%	56.90%	15.38%

KEY:

AD = Area D (Coronado Park)

bgs = below ground surface

COC = Chain of Custody

mm = millimeter

" = inches

µm = micrometer

Table 20:
AREA E, PLM Results for Surface Soil Samples (0 to 1 inch bgs and 1 to 6 inches bgs)

Sample No.	Grid No.	Depth of Sample (inches bgs)	Laboratory ID.	Chain-of-Custody No.	Percentage Asbestos (amphibole) Content
AE-001-01	1	0 to 1	041116653-0002	SWV-06/21/11-0011	> 0.25% but < 1.0%
AE-002-01	2	0 to 1	041116653-0003	SWV-06/21/11-0011	> 0% but < 0.20%
AE-003-01	3	0 to 1	041116653-0004	SWV-06/21/11-0011	Non-Detect
AE-004-01	4	0 to 1	041116653-0005	SWV-06/21/11-0011	Non-Detect
AE-005-01	5	0 to 1	041116653-0006	SWV-06/21/11-0011	Non-Detect
AE-006-01	6	0 to 1	041116653-0007	SWV-06/21/11-0011	> 0% but < 0.20%
AE-007-01	7	0 to 1	041116653-0008	SWV-06/21/11-0011	Non-Detect
AE-008-01	8	0 to 1	041116653-0009	SWV-06/21/11-0011	Non-Detect
AE-009-01	9	0 to 1	041116653-0010	SWV-06/21/11-0011	Non-Detect
AE-010-01	10	0 to 1	041116653-0011	SWV-06/21/11-0011	> 0% but < 0.20%
AE-011-01	11	0 to 1	041116653-0023	SWV-06/21/11-0011	> 0% but < 0.20%
AE-012-01 (Duplicate of AE-006-01)	6	0 to 1	041116653-0024	SWV-06/21/11-0011	> 0% but < 0.20%

KEY:

AE = Area E (sidewalks)

bgs = below ground surface

TABLE 21:

Southwest Vermiculite: Summary of Dust Sample Results by TEM

Sample No.	Lab Sample No.	Sample Location	ASTM Benchmark (s/cm2)	Grid Openings Analyzed	Total Asbestos Structures ⁽¹⁾		Total Amphiboles (Libby Amphibole) ⁽¹⁾		Total Chrysotile Structures ⁽¹⁾	
					Structure Count	Conc. (s/cm2)	Structure Count	Conc. (s/cm2)	Structure Count	Conc. (s/cm2)
SWV-001	041102521-0001	1st Floor, east wall, near east entrance door (vertical)	5,000	11.0	0.0	0.0	0.0	0.0	0.0	0.0
SWV-002	041102521-002	1st Floor, east wall, south of east entrance (vertical)	5,000	24.0	9.0	360.0	8.0	320.0	1.0	40.0
SWV-003	041102521-003	1st Floor, near aluminum can conveyor belt (vertical wall)	5,000	11.0	4.0	350.0	2.0	180.0	2.0	180.0
SWV-004	041102521-004	1st Floor, near breaker box located in northeast corner	5,000	10.0	35.0	3,400.0	28.0	2,700.0	7.0	680.0
SWV-005	041102521-005	2nd Floor, wall just to left of entrance (vertical)	5,000	11.0	0.0	0.0	0.0	0.0	0.0	0.0
SWV-006	041102521-006	2nd Floor, directly from furnace unit (vertical)	5,000	4.0	131.0	32,000	11.0	2,700.0	120.0	29,000
SWV-007	041102521-007	2nd Floor, wall to the right of the furnace (vertical)	5,000	11.0	7.0	620.0	5.0	440.0	2.0	180.0
SWV-008	041102521-0008	Lot Blank	5,000	6.0	2.0	2,600.0	0.0	0.0	2.0	2,600.0
SWV-009	041102521-009	1st Floor warehouse, southwest corner (vertical wall)	5,000	11.0	5.0	440.0	2.0	180.0	3.0	260.0
SWV-010	041102521-009	1st Floor warehouse, near inside entrance door wall	5,000	11.0	3.0	260.0	0.0	0.0	3.0	260.0

Notes: (1) All samples were analyzed by ASTM D-5755-03

KEY:

ASTM = American Society for Testing and Materials

s/cm2 = structures per squared centimeter

SWV = Southwest Vermiculite

TEM = Transmission Electron Microscopy

32,000 = Exceeds benchmark

TABLE 22:
TEM Results for Perimeter Air Sampling

Sample No.	Laboratory ID.	Sample Location	Air Volume (L)	Number of Grid Openings / Area Analyzed (mm ²)	Analytical Sensitivity (struc/cc)	Filter Density (struc/mm ²)	Total Number of LA Structures Detected	Reported Concentration (struc/cc)
SWV-01A	0411166111-0002	Area B	3,496.58	4/0.0130	2.10E-03	0.00E+00	0.0	0.00E+00
SWV-02A	0411166111-0003	Area B	3,448.27	4/0.0130	2.10E-03	0.00E+00	0.0	0.00E+00
SWV-03A	0411166111-0004	Area B	3,303.33	4/0.0130	2.20E-03	0.00E+00	0.0	0.00E+00
SWV-04A	0411166111-0005	Area B	3,206.71	4/0.0130	2.30E-03	0.00E+00	0.0	0.00E+00

KEY:

L = Liters

LA = Libby Amphibole

mm² = square millimeters

struc/cc = structures per cubic centimeter

SWV = Southwest Vermiculite

TEM = Transmission Electron Microscopy