Report to:

PUBLIC WORKS AND GOVERNMENT SERVICES CANADA AND NATURAL RESOURCES CANADA

Asbestos-Containing Building Materials Survey
Natural Resources Canada
Northern Forestry Building
Edmonton, Alberta

Document No. 1318900400-REP-V0001-02

PWGSC Project No.: R.061377.001

TETRA TECH

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PUBLIC WORKS AND GOVERNMENT SERVICES CANADA AND NATURAL RESOURCES CANADA

ASBESTOS-CONTAINING BUILDING MATERIALS SURVEY NORTHERN FORESTRY BUILDING EDMONTON, ALBERTA

JUNE 2013

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APEGGA Permit to Practice No. P0940

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REVISION HISTORY

REV. NO	ISSUE DATE	PREPARED BY AND DATE	REVIEWED BY AND DATE	APPROVED BY AND DATE	DESCRIPTION OF REVISION

EXECUTIVE SUMMARY

Public Works and Government Services Canada (PWGSC) retained Tetra Tech WEI Inc. (Tetra Tech) on behalf of Natural Resources Canada (NRCAN) to conduct an asbestos-containing building materials survey. The survey included the Northern Forestry Building (Forestry Building) and a visual assessment of the HAZMAT Shed (subject buildings) located at 5320 – 122nd Street NW, Edmonton, Alberta.

The field work program was executed by Mr. Shane Dooley and Mr. Rob McManus of Tetra Tech and was completed on January 14 to 21, 2013, inclusive.

The following is a breakdown of the asbestos-containing materials (ACMs) that were identified within the subject buildings at the time of assessment:

Basement

- Asbestos-containing friable mudded pipe insulation (Tetra Tech sample #B-001-001) containing 40% chrysotile asbestos. The ACM was associated with the elbow of a 2" diameter pipe at ceiling level in a basement storage room as shown on Figure 1a in Appendix C. There were two pipes present with a total of 9 elbows. The ACM was in good condition at the time of assessment as shown in Photo 6, in Appendix B, and should be managed in place. The ACM within the storage room is considered Access (C) Exposed.
- Asbestos-containing non-friable 12"x12" black with white fleck vinyl floor tiles (Tetra Tech sample B-SW001-005) containing 1.2% chrysotile asbestos. The ACM was located on the landings within the eastern stairwell as shown on Figure 1a totalling approximately 30 m^2. The ACM was in good condition at the time of assessment as shown in Photo 7 and should be managed in place. The ACM within the stairwell is considered Access (A).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample B-008-011) containing 1.6% chrysotile asbestos. The ACM was associated with the column within the publications storage room as shown on Figure 1a totalling approximately 80 m^2 in total for all columns within the room. The ACM was in good condition at the time of assessment as shown in Photo 8 and should be managed in place. The ACM within the publications storage room is considered Access (A).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample B-012-013/ B-012-014) containing 1.4% and 1.5% chrysotile asbestos applied to the walls and ceiling of the janitorial room as shown on Figures 1a and 1b totalling approximately 80 m^2. The ACM was in good condition at the time of assessment as shown in Photo 9 and should be managed in place. The ACM within the janitorial room is considered Access (B).

- Asbestos-containing non-friable tan mastic (Tetra Tech sample B-014-018) containing 10% chrysotile asbestos applied at a pipe penetration extending from the ceiling of the walk-in cooler as shown on Figure 1b totalling approximately 0.01 m^2. The ACM was in good condition at the time of assessment as shown in Photo 10 and should be managed in place. The ACM within the walk-in cooler is considered Access (C) exposed.
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample B-017-019) containing 1.3% chrysotile asbestos applied to the ceiling of the storage room as shown on Figure 1b totalling approximately 55 m^2. The ACM was in fair condition at the time of assessment as shown in Photo 11 and should be patched where there is a penetration or abated in full. The ACM within the storage room is considered Access (C) exposed.
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample B-018-020) containing 1.9% chrysotile asbestos applied to the column of the electrical room as shown on Figure 1b totalling approximately 100 m^2 in total for all columns within the room. The ACM was in good condition at the time of assessment as shown in Photo 12 and should be managed in place.The ACM within the electrical room is considered Access (B).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample B-025-023) containing 1.4% chrysotile asbestos applied to the wall of the janitorial room as shown on Figures 1a and 1b totalling approximately 100 m^2. The ACM was in good condition at the time of assessment as shown in Photo 13 and should be managed in place. The ACM within the janitorial room is considered Access (B).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample B-031-024) containing 1.2% chrysotile asbestos applied to the ceiling of the cafeteria as shown on Figures 1a and 1b totalling approximately 200 m^2. The ACM was in good condition at the time of assessment as shown in Photo 14 and should be managed in place. The ACM within the cafeteria is considered Access (C) exposed.
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample B-033-026) containing 1.9% chrysotile asbestos applied to the perimeter wall of the lunch room as shown on Figure 1a totalling approximately 180 m^2. The ACM was in good condition at the time of assessment as shown in Photo 15 and should be managed in place. The ACM within the lunch room is considered Access (B).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample B-054B-029) containing 1.7% chrysotile asbestos applied to the ceiling of the office space as shown on Figures 1a and 1b totalling approximately 100 m^2. The ACM was in poor condition at the time of assessment as shown in Photo 16 and should be patched, encapsulated or abated in full. The ACM within the office space is considered Access (C) exposed.
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample B-057-030) containing 1.3% chrysotile asbestos applied to the column of the telephone room as shown on Figures 1a and 1b totalling approximately 10 m^2 in total for all columns within the room. The ACM was in good condition at the time of

assessment as shown in Photo 17 and should be managed in place. The ACM within the telephone room is considered Access (B).

- Asbestos-containing friable mudded insulation (Tetra Tech sample B-HW001-033) containing 10% chrysotile asbestos applied to the elbow of the 2” diameter pipe above the ceiling tiles in the hallway adjacent to the cafeteria as shown on Figure 1a totalling approximately 42 elbows. The ACM was in poor condition at the time of assessment as shown in Photo 18 and should be abated. The ACM within the hallway is considered Access (C) concealed.
- Asbestos-containing non-friable grey mastic (Tetra Tech sample B-HW002-034) containing 1.5% chrysotile asbestos applied to the square HVAC ducting above the ceiling tiles in the north east hallway as shown on Figures 1a and 1b. The ACM was in good condition at the time of assessment as shown in Photo 19 and should be managed in place. The ACM within the hallway is considered Access (C) concealed.
- Asbestos-containing friable mudded insulation (Tetra Tech sample B-HW008-038/ B-HW008-040) containing 10% chrysotile asbestos applied to the elbows of the 4” diameter piping above the ceiling tiles in the hallway adjacent to the service corridors as shown on Figures 1a and 1b totalling approximately 8 elbows. The ACM was in good condition at the time of assessment as shown in Photo 20 and should be managed in place. The ACM within the hallway is considered Access (C) concealed.

Main Floor

- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 1-006-042) containing 1.1% chrysotile asbestos applied to the perimeter wall of the cubicle office spaces in the east wing as shown on Figure 2a totalling approximately 380 m^2. The ACM was in good condition at the time of assessment as shown in Photo 21 and should be managed in place. The ACM within the office space is considered Access (A).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 1-007-043) containing 2.1% chrysotile asbestos applied to the interior wall adjacent to the door of an office within the east wing as shown on Figure 2a totalling approximately 170 m^2. The ACM was in good condition at the time of assessment as shown in Photo 22 and should be managed in place. The ACM within the office space is considered Access (A).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 1-032-048) containing 1.6% chrysotile asbestos applied to the perimeter wall at the window of an office within the central core as shown on Figures 2a and 2b totalling approximately 35 m^2. The ACM was in good condition at the time of assessment as shown in Photo 23 and should be managed in place. The ACM within the office space is considered Access (A).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 1-045-049) containing 1.4% chrysotile asbestos applied to the wall of janitorial room as

shown on Figure 2a totalling approximately 35 m^2. The ACM was in good condition at the time of assessment as shown in Photo 24 and should be managed in place. The ACM within the janitorial room is considered Access (A).

- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 1-055-050) containing 1.5% chrysotile asbestos applied to the perimeter wall of an office in the central core as shown on Figure 2a totalling approximately 35 m^2. The ACM was in good condition at the time of assessment as shown in Photo 25 and should be managed in place. The ACM within the office space is considered Access (A).
- Asbestos-containing non-friable 12”x12” greenish vinyl floor tiles (Tetra Tech sample 1-060-051) containing 1.1% chrysotile asbestos within an office in the central core as shown on Figure 2a totalling approximately 120 m^2. The ACM was in good condition at the time of assessment as shown in Photo 26 and should be managed in place. The ACM within the office space is considered Access (A).
- Asbestos-containing friable mudded pipe insulation (Tetra Tech sample 1-HW003-054) containing 10% chrysotile asbestos applied to the 4” diameter pipe elbow above the ceiling space in the northwest hallway as shown on Figures 2a and 2b totalling approximately 4 elbows. The ACM was in good condition at the time of assessment as shown in Photo 27 and should be managed in place. The ACM within the hallway is considered Access (C) concealed.
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 1-093-055) containing 1.6% chrysotile asbestos applied to the column of the janitorial room as shown on Figure 2a totalling approximately 15 m^2. The ACM was in good condition at the time of assessment as shown in Photo 28 and should be managed in place. The ACM within the janitorial room is considered Access (B).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 1-099-057) containing 1.3% chrysotile asbestos applied to the perimeter wall of an office in the central core as shown on Figure 2b totalling approximately 35 m^2. The ACM was in good condition at the time of assessment as shown in Photo 29 and should be managed in place. The ACM within the office space is considered Access (A).
- Asbestos-containing non-friable light grey caulking (Tetra Tech sample 1-EXT-059) containing 1.2% chrysotile asbestos applied to the perimeter separation joints of the pre-cast walls as shown on Figure 2b. The ACM was in good condition at the time of assessment as shown in Photo 30 and should be managed in place. The ACM of the exterior is considered Access (A).
- Asbestos-containing friable mudded insulation (Tetra Tech sample 1-102-062) containing 20% chrysotile asbestos applied to the air handling unit located at the west end of the boiler room as shown on Figure 2b totalling approximately 10 m^2. The ACM was in poor condition at the time of assessment as shown in Photo 31 and should be repaired, encapsulated or abated. The ACM within the boiler is considered Access (B).
- Asbestos-containing friable mudded insulation (Tetra Tech sample 1-102-063) containing 40% chrysotile asbestos applied to the air handling unit located at the

north end of the boiler room as shown on Figure 2b totalling approximately 10 m^2. The ACM was in poor condition at the time of assessment as shown in Photo 32 and should be repaired, encapsulated or abated. The ACM within the boiler is considered Access (B).

- Asbestos-containing friable mudded insulation (Tetra Tech sample 1-104-065) containing 50% chrysotile asbestos applied to the 6” diameter pipe elbow within the laboratory as shown on Figure 2b totalling approximately 3 elbows. The ACM was in good condition at the time of assessment as shown in Photo 33 and should be managed in place. The ACM within the laboratory is considered Access (A).
- Asbestos-containing friable mudded insulation (Tetra Tech sample 1-104-066) containing 50% chrysotile asbestos applied to the 2” diameter pipe elbow within the laboratory as shown on Figure 2b totalling approximately 7 elbows. The ACM was in good condition at the time of assessment as shown in Photo 34 and should be managed in place. The ACM within the laboratory is considered Access (A).
- Asbestos-containing non-friable brown mastic (Tetra Tech sample 1-HW008-072) containing 1.2% chrysotile asbestos applied to the exterior door frame within the northwest entrance as shown on Figure 2b. The ACM was in good condition at the time of assessment as shown in Photo 35 and should be managed in place. The ACM within the entrance is considered Access (A).
- Asbestos-containing non-friable silver mastic (Tetra Tech sample 1-SC001-075) containing 2.7% chrysotile asbestos applied to the 16” diameter pipe within the south service corridor as shown on Figure 2a. The ACM was in good condition at the time of assessment as shown in Photo 36 and should be managed in place. The ACM within the service corridor is considered Access (B).

Second Floor

- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 2-007-077) containing 1.5% chrysotile asbestos applied to the interior wall of the janitorial room as shown on Figure 3a totalling approximately 30 m^2. The ACM was in good condition at the time of assessment as shown in Photo 37 and should be managed in place. The ACM within the janitorial room is considered Access (B).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 2-013-078) containing 1.7% chrysotile asbestos applied to the bulkhead of the library as shown on Figures 3a and 3b totalling approximately 300 m^2. The ACM was in good condition at the time of assessment as shown in Photo 38 and should be managed in place. The ACM within the library is considered Access (A).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 2-014-081) containing 1.8% chrysotile asbestos applied to the office perimeter wall as shown on Figures 3a and 3b totalling approximately 35 m^2. The ACM was in good condition at the time of assessment as shown in Photo 39 and should be managed in place. The ACM within the office is considered Access (A).

- Asbestos-containing non-friable 12”x12” olive vinyl floor tiles (Tetra Tech sample 2-SW002-082) containing 1.2% chrysotile asbestos within the southwestern stairwell as shown on Figure 3b totalling approximately 30 m^2. The ACM was in good condition at the time of assessment as shown in Photo 40 and should be managed in place. The ACM within the stairwell is considered Access (A).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 2-024-084) containing 2.1% chrysotile asbestos applied to the interior wall of the janitorial room as shown on Figure 3b totalling approximately 30 m^2. The ACM was in good condition at the time of assessment as shown in Photo 41 and should be managed in place. The ACM within the janitorial room is considered Access (B).
- Asbestos-containing friable mudded insulation (Tetra Tech sample 2-047-085) containing 60% chrysotile asbestos applied to the 2” diameter pipe elbow within the laboratory as shown on Figures 3a and 3b totalling approximately 4 elbows. The ACM was in good condition at the time of assessment as shown in Photo 42 and should be managed in place. The ACM within the laboratory is considered Access (C) exposed.
- Asbestos-containing friable mudded insulation (Tetra Tech sample 2-HW001-086) containing 15% chrysotile asbestos applied to the 2” diameter pipe elbow within the northeastern hallway as shown on Figure 3a totalling approximately 6 elbows. The ACM was in good condition at the time of assessment as shown in Photo 43 and should be managed in place. The ACM within the hallway is considered Access (C) concealed.
- Asbestos-containing non-friable grey mastic (Tetra Tech sample 2-HW004-088) containing 2.9% chrysotile asbestos applied to the square HVAC ducting within the southwestern hallway as shown on Figures 3a and 3b. The ACM was in good condition at the time of assessment as shown in Photo 44 and should be managed in place. The ACM within the hallway is considered Access (C) concealed.
- Asbestos-containing non-friable red mastic (Tetra Tech sample 2-HW004-090) containing 2% chrysotile asbestos applied to the square HVAC ducting within the southwestern hallway as shown on Figure 3b. The ACM was in good condition at the time of assessment as shown in Photo 45 and should be managed in place. The ACM within the hallway is considered Access (C) concealed.
- Asbestos-containing friable mudded insulation (Tetra Tech sample 2-HW005-091) containing 15% chrysotile asbestos applied to the 2” diameter pipe elbow within the south hallway perimeter wall as shown on Figure 3b totalling approximately 24 elbows. The ACM was in poor condition at the time of assessment as shown in Photo 46 and should be managed in place. The ACM within the hallway is considered Access (C) concealed.

Third Floor

- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 3-007-092) containing 1.7% chrysotile asbestos applied to the interior wall of the janitorial room as shown on Figure 4a totalling approximately 30 m^2. The ACM was in good

condition at the time of assessment as shown in Photo 47 and should be managed in place. The ACM within the janitorial room is considered Access (B).

- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 3-011-093) containing 1.6% chrysotile asbestos applied to the office perimeter wall as shown on Figure 4a totalling approximately 35 m^2. The ACM was in good condition at the time of assessment as shown in Photo 48 and should be managed in place. The ACM within the office is considered Access (A).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 3-022-095) containing 1.7% chrysotile asbestos applied to the office perimeter wall as shown on Figure 4b totalling approximately 35 m^2. The ACM was in good condition at the time of assessment as shown in Photo 49 and should be managed in place. The ACM within the office is considered Access (A).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 3-026-096) containing 1.8% chrysotile asbestos applied to the interior wall of the janitorial room as shown on Figure 4b totalling approximately 30 m^2. The ACM was in good condition at the time of assessment as shown in Photo 50 and should be managed in place. The ACM within the janitorial room is considered Access (B).
- Asbestos-containing non-friable 12”x12” greenish with white vinyl floor tiles (Tetra Tech sample 3-042-097) containing 1.2% chrysotile asbestos within the laboratory as shown on Figure 4a totalling approximately 120 m^2. The ACM was in good condition at the time of assessment as shown in Photo 51 and should be managed in place. The ACM within the laboratory is considered Access (A).
- Asbestos-containing friable mudded insulation (Tetra Tech sample 3-HW001-100) containing 10% chrysotile asbestos applied to the 2” diameter pipe elbow within the northeastern hallway as shown on Figure 4a totalling approximately 3 elbows. The ACM was in good condition at the time of assessment as shown in Photo 52 and should be managed in place. The ACM within the hallway is considered Access (C) concealed.
- Asbestos-containing friable mudded insulation (Tetra Tech sample 3-HW007-101) containing 10% chrysotile asbestos applied to the 2” diameter pipe elbow within the central hallway as shown on Figures 4a and 4b totalling approximately 4 elbows. The ACM was in good condition at the time of assessment as shown in Photo 53 and should be managed in place. The ACM within the hallway is considered Access (C) concealed.
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 3-073-102) containing 1.6% chrysotile asbestos applied to the interior column of the janitorial room as shown on Figures 4a and 4b totalling approximately 15 m^2. The ACM was in good condition at the time of assessment as shown in Photo 54 and should be managed in place. The ACM within the janitorial room is considered Access (B).

Penthouse

- Asbestos-containing non-friable transite cement board (Tetra Tech sample P-N-110) containing 25% chrysotile asbestos applied to the perimeter walls of the penthouse as shown on Figures 5a and 5b totalling approximately 380 m^2. The ACM was in good condition at the time of assessment as shown in Photo 55 and should be managed in place. The ACM within the penthouse is considered Access (B).
- Asbestos-containing friable mudded mechanical insulation (Tetra Tech sample P-N-114) containing 25% chrysotile asbestos applied to the 24" diameter pipe within the penthouse as shown on Figures 5a and 5b totalling 6 pipes. The ACM was in moderate to poor condition in select locations at the time of assessment as shown in Photo 56 and should be managed in place. The ACM within the penthouse is considered Access (B) and was labeled as asbestos containing at the time of assessment.
- Asbestos-containing friable mudded mechanical insulation (Tetra Tech sample P-S-116) containing 40% chrysotile asbestos applied to the glycol heat exchanger within the penthouse as shown on Figures 5a and 5b totalling approximately 15 m^2. The ACM was in good condition at the time of assessment as shown in Photo 57 and should be managed in place. The ACM within the penthouse is considered Access (B).
- Asbestos-containing friable mudded mechanical insulation (Tetra Tech sample P-S-118) containing 40% chrysotile asbestos applied to the AHU #2 cold deck within the penthouse as shown on Figures 5a and 5b totalling approximately 145 m^2. The ACM was in good condition at the time of assessment as shown in Photo 58 and should be managed in place. The ACM within the penthouse is considered Access (B).
- Asbestos-containing friable mudded mechanical insulation (Tetra Tech sample P-S-119) containing 20% chrysotile asbestos applied to the AHU #2 hot deck within the penthouse as shown on Figures 5a and 5b totalling approximately 145 m^2. The ACM was in good condition at the time of assessment as shown in Photo 58 and should be managed in place. The ACM within the penthouse is considered Access (B).
- Asbestos-containing friable mudded mechanical insulation (Tetra Tech sample P-S-122) containing 40% chrysotile asbestos applied to the AHU #1 cold deck within the penthouse as shown on Figures 5a and 5b totalling approximately 145 m^2. The ACM was in good condition at the time of assessment as shown in Photo 66 and should be managed in place. The ACM within the penthouse is considered Access (B).
- Asbestos-containing non-friable grey mastic (Tetra Tech sample P-S-123) containing 1.5% chrysotile asbestos applied to the metal ducting around the door of the AHU #2 cold deck within the penthouse as shown on Figures 5a and 5b totalling approximately 5 m^2. The ACM was in good condition at the time of

assessment as shown in Photo 59 and should be managed in place. The ACM within the penthouse is considered Access (B).

- Asbestos-containing friable mudded mechanical insulation (Tetra Tech sample P-S-125) containing 80% chrysotile asbestos applied to the AHU #2 cold deck within the penthouse as shown on Figures 5a and 5b totalling approximately 145 m^2. The ACM was in good condition at the time of assessment as shown in Photo 60 and should be managed in place. The ACM within the penthouse is considered Access (B).
- Asbestos-containing friable mudded mechanical insulation (Tetra Tech sample P-S-130) containing 15% chrysotile asbestos applied to exhaust fan #49 within the south end of the penthouse adjacent to the exit door as shown on Figure 5b totalling approximately 15 m^2. The ACM was in good condition at the time of assessment as shown in Photo 61 and should be managed in place. The ACM within the penthouse is considered Access (B).

These substances are summarized in the following table with recommendations provided within the main body of the report:

Table 1: Identified Asbestos-Containing Materials Summary Northern Forestry Building

Sample Number	Material	Friable/ Non-Friable	Condition	Location/ Quantity	Analytical
B-001-001	Mudded pipe insulation at elbow; 2” Ø pipe	Friable	Good	Storage room; 9 elbows	40% Ch
B-SW001-005	12”x12” black with white fleck vinyl floor tile	Non-friable	Good	Eastern stairwell; 30 m^2	1.2% Ch
B-008-011	Drywall joint compound applied to the column	Non-friable	Good	Publications storage room; 80 m^2	1.6% Ch
B-012-013	Drywall joint compound applied to the wall	Non-friable	Good	Janitorial room; 55 m^2	1.4% Ch
B-012-013	Drywall joint compound applied to the ceiling	Non-friable	Good	Janitorial room; 15 m^2	1.5% Ch
B-014-018	Tan HVAC ducting mastic	Non-friable	Good	Walk-in cooler; 0.01 m^2	10% Ch

Table 1: Identified Asbestos-Containing Materials Summary Northern Forestry Building					
Sample Number	**Material**	**Friable/ Non-Friable**	**Condition**	**Location/ Quantity**	**Analytical**
B-017-019	Drywall joint compound applied to the ceiling	Non-friable	Moderate	Storage room; 55 m^2	1.3% Ch
B-018-020	Drywall joint compound applied to the column	Non-friable	Good	Electrical room; 100 m^2	1.9% Ch
B-025-023	Drywall joint compound applied to the wall	Non-friable	Good	Janitorial room; 100 m^2	1.4% Ch
B-031-024	Drywall joint compound applied to the ceiling	Non-friable	Good	Cafeteria; 200 m^2	1.2% Ch
B-033-026	Drywall joint compound applied to the perimeter wall	Non-friable	Good	Lunch room; 180 m^2	1.9% Ch
B-054B-029	Drywall joint compound applied to the ceiling	Non-friable	Poor	Office; 100 m^2	1.7% Ch
B-057-030	Drywall joint compound applied to the column	Non-friable	Good	Telephone room; 10 m^2	1.3% Ch
B-HW001-033	Mudded pipe insulation at elbow; 2” Ø pipe	Friable	Poor	Basement floor, Eastern hallway; 42 elbows	10% Ch
B-HW002-034	Grey HVAC ducting mastic	Non-friable	Good	Basement, north east hallway	1.5% Ch
B-HW008-038	Mudded pipe insulation at elbow; 4” Ø pipe	Friable	Good	Central hallway; 8 elbows	10% Ch
B-HW008-040	Mudded pipe insulation at elbow; 4” Ø pipe	Friable	Good	Central hallway; 8 elbows	10% Ch

Table 1: Identified Asbestos-Containing Materials Summary Northern Forestry Building					
Sample Number	**Material**	**Friable/ Non-Friable**	**Condition**	**Location/ Quantity**	**Analytical**
1-006-042	Drywall joint compound applied to the perimeter wall	Non-friable	Good	First floor, east wing; 380 m^2	1.1% Ch
1-007-043	Drywall joint compound applied to an interior wall	Non-friable	Good	Office; 170 m^2	2.1% Ch
1-032-048	Drywall joint compound applied to a perimeter wall	Non-friable	Good	Central core office; 35 m^2	1.6% Ch
1-045-049	Drywall joint compound applied to an interior wall	Non-friable	Good	Janitorial room; 35 m^2	1.4% Ch
1-055-050	Drywall joint compound applied to a perimeter wall	Non-friable	Good	Central core office; 35 m^2	1.5% Ch
1-060-051	12”x12” greenish vinyl floor tiles	Non-friable	Good	Central core office; 120 m^2	1.1% Ch
1-HW003-054	Mudded pipe insulation at elbow; 4” Ø pipe	Friable	Good	First floor, northwest hallway; 4 elbows	10 % Ch
1-093-055	Drywall joint compound applied to an interior wall	Non-friable	Good	Janitorial room column; 15 m^2	1.6 % Ch
1-099-057	Drywall joint compound applied to a perimeter wall	Non-friable	Good	Office in central core; 35 m^2	1.3 % Ch
1-EXT-059	Grey caulking applied to an exterior expansion joint	Non-friable	Good	Exterior	1.2% Ch

Table 1: Identified Asbestos-Containing Materials Summary Northern Forestry Building					
Sample Number	**Material**	**Friable/ Non-Friable**	**Condition**	**Location/ Quantity**	**Analytical**
1-102-062	Mudded insulation on the AHU unit ducting	Friable	Poor	Boiler room; 10 m^2	20% Ch
1-102-063	Mudded insulation on the AHU unit ducting	Friable	Poor	Boiler room; 10 m^2	40% Ch
1-104-065	Mudded pipe insulation at elbow; 6” Ø pipe	Friable	Good	Laboratory; 3 elbows	50% Ch
1-104-066	Mudded pipe insulation at elbow; 2” Ø pipe	Friable	Good	Laboratory; 7 elbows	50% Ch
1-HW008-072	Brown mastic	Non-friable	Good	Northwest entrance, exterior door frame	1.2% Ch
1-SC001-075	Silver mastic; 16” Ø pipe	Non-friable	Good	South service corridor	2.7% Ch
2-007-077	Drywall joint compound applied to an interior wall	Non-friable	Good	Janitorial room; 30 m^2	1.5% Ch
2-013-078	Drywall joint compound applied to a bulkhead	Non-friable	Good	Library; 300 m^2	1.7% Ch
2-014-081	Drywall joint compound applied to a perimeter wall	Non-friable	Good	Office; 35 m^2	1.8% Ch
2-SW002-082	12”x12” olive vinyl floor tiles	Non-friable	Good	Southwestern stairwell; 30 m^2	1.2% Ch
2-024-084	Drywall joint compound applied to an interior wall	Non-friable	Good	Janitorial room; 30 m^2	2.1 % Ch
2-047-085	Mudded pipe insulation at elbow; 2” Ø pipe	Friable	Good	Laboratory; 4 elbows	60% Ch

Table 1: Identified Asbestos-Containing Materials Summary Northern Forestry Building					
Sample Number	**Material**	**Friable/ Non-Friable**	**Condition**	**Location/ Quantity**	**Analytical**
2-HW001-086	Mudded pipe insulation at elbow; 2” Ø pipe	Friable	Good	Northeastern hallway; 6 elbows	15% Ch
2-HW004-088	Grey HVAC ducting mastic	Non-friable	Good	Southwestern hallway	2.9% Ch
2-HW004-090	Red HVAC ducting mastic	Non-friable	Good	Southwestern hallway	2% Ch
2-HW005-091	Mudded pipe insulation at elbow; 2” Ø pipe	Friable	Good	South hallway; 24 elbows	15% Ch
3-007-092	Drywall joint compound applied to an interior wall	Non-friable	Good	Janitorial room; 30 m^2	1.7 % Ch
3-011-093	Drywall joint compound applied to a perimeter wall	Non-friable	Good	Office; 35 m^2	1.6 % Ch
3-022-095	Drywall joint compound applied to a perimeter wall	Non-friable	Good	Office; 35 m^2	1.7 % Ch
3-026-096	Drywall joint compound applied to an interior wall	Non-friable	Good	Janitorial room; 30 m^2	1.8 % Ch
3-042-097	12”x12” greenish with white vinyl floor tiles	Non-friable	Good	Laboratory; 120 m^2	1.2 % Ch
3-HW001-100	Mudded pipe insulation at elbow; 2” Ø pipe	Friable	Good	Northeastern hallway; 3 elbows	10% Ch
3-HW007-101	Mudded pipe insulation at elbow; 2” Ø pipe	Friable	Good	Central hallway; 4 elbows	10% Ch
3-073-102	Drywall joint compound applied to an interior column	Non-friable	Good	Janitorial room; 15 m^2	1.6 % Ch

Table 1: Identified Asbestos-Containing Materials Summary Northern Forestry Building					
Sample Number	**Material**	**Friable/ Non-Friable**	**Condition**	**Location/ Quantity**	**Analytical**
P-N-110	Transite cement board applied to perimeter walls	Non-friable	Moderate	Penthouse; 380 m^2	25 % Ch
P-N-114	Mudded pipe insulation at elbow; 24” Ø pipe	Friable	Moderate	Penthouse; 6 pipes	25% Ch
P-S-116	Mudded mechanical insulation; Glycol heat exchanger	Friable	Good	Penthouse; 15 m^2	40% Ch
P-S-118	Mudded mechanical insulation; AHU #2 cold deck	Friable	Good	Penthouse; 145 m^2	40% Ch
P-S-119	Mudded mechanical insulation; AHU #2 hot deck	Friable	Good	Penthouse; 145 m^2	20% Ch
P-S-122	Mudded mechanical insulation; AHU #1 cold deck	Friable	Good	Penthouse; 145 m^2	40% Ch
P-S-123	Grey mastic applied to the door; AHU #2 cold deck	Non-friable	Good	Penthouse; 5 m^2	1.5% Ch
P-S-125	Mudded mechanical insulation; AHU #2 cold deck	Friable	Good	Penthouse; 145 m^2	80% Ch
P-S-130	Mudded mechanical insulation; exhaust fan #49	Friable	Good	Penthouse; 15 m^2	15% Ch

Table 1: Identified Asbestos-Containing Materials Summary Northern Forestry Building					
Sample Number	**Material**	**Friable/ Non-Friable**	**Condition**	**Location/ Quantity**	**Analytical**
Visually similar; 1-060-051	12”x12” greenish vinyl floor tiles	Non-friable	Good	M-067, M-067A, M-068, M-078, M-083, M-084, M-087, M-088, 2-043, 2-044, 2-044A, 2-045, 2-045 A/B, 2-046, 2-047, 2-048, 2-049, 2-050, 2-051, 2-052, 2-053, 2-056, 2-065; Estimated 1,700 m^2	N/A
Visually similar; 2-SW002-082	12”x12” olive vinyl floor tiles	Non-friable	Good	2-SW003, 2-HW001 – 2-HW007, 3-SW002, 3-SW003, 3-HW001 – 3-HW007; Estimated 3,700 m^2	N/A
Visually similar; 3-042-097	12”x12” greenish with white vinyl floor tiles	Non-friable	Good	3-037, 3-038, 3-039, 3-040, 3-041, 3-044, 3-045, 3-046, 3-047, 3-049, 3-049A, 3-052, 3-053, 3-054, 3-057, 3-058, 3-060, 3-061, 3-062, 3-063, 3-064, 3-065, 3-066, 3-067 and 3-072; Estimated 1,950 m^2	N/A

Table 1: Identified Asbestos-Containing Materials Summary Northern Forestry Building					
Sample Number	**Material**	**Friable/ Non-Friable**	**Condition**	**Location/ Quantity**	**Analytical**
Visually similar; P-N-110	Transite Cement Board	Non-friable	Moderate	Basement service corridors, main floor service corridors, second floor service corridor, third floor service corridors, penthouse perimeter walls; Estimated 950 m^2	N/A
Visually similar; P-N-110	Transite Cement Board in Fume Hoods	Non-friable	Moderate	B-051, B-056, 1-080, 2-036, 2-037, 2-043, 2-044, 2-045, 2-047, 2-056 and 3-055; Estimated 130 m^2	N/A
N/A (Visually identified)	Transite cement pipe (Not sampled)	Non-friable	Good	main floor service corridor, second floor service corridor, third floor service corridors, penthouse; Estimated 29 pipes	N/A
N/A (Verbal and visual confirmation)	Vermiculite wall insulation	Friable	Poor (visually identified on the floor)	HAZMAT shed, Interior walls of corrosive/acid storage	N/A

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

1.0 INTRODUCTION

Public Works and Government Services Canada (PWGSC) retained Tetra Tech WEI Inc. (Tetra Tech) on behalf of Natural Resources Canada (NRCAN) to conduct an asbestos-containing building materials survey. The survey included the Northern Forestry Building (Forestry Building) and a visual assessment of the HAZMAT shed (subject buildings) located at 5320 – 122nd Street NW, Edmonton, Alberta.

This document provides an outline of:

- Background information regarding the purpose of the assessment,
- Tetra Tech's scope of services,
- Applicable regulations pertaining to the assessment,
- The assessment methodology,
- The assessment findings, and
- Recommendations.

The field work program was executed by Mr. Shane Dooley and Mr. Rob McManus of Tetra Tech and completed on January 14 to 21, 2013, inclusive.

2.0 BACKGROUND INFORMATION AND SCOPE OF SERVICES

2.1 BACKGROUND

PWGSC on behalf of NRCAN retained Tetra Tech to establish an inventory of asbestos-containing materials (ACMs). The focus of the assessment was room-by-room including each floor of the subject buildings as well as the penthouse. The mandate of the survey was for due diligence purposes and to enable development of an in-house asbestos management program (AMP).

2.2 SCOPE OF SERVICES

The scope of services for this ACM survey included:

- Project kick-off meeting including a pre-site inspection meeting conducted at the subject buildings;
- Completion of a Site-Specific Safety Plan which was provided to PWGSC prior to commencement of the survey;
- Visual examination of all accessible areas of the subject buildings for the collection of ACMs;
- Sample collection of suspected ACMs for laboratory analysis;
- Interpretation of analytical data;
- Uploading of all information collected from the survey into the HAZMAT Inspector Asbestos Management Database program supplied by PWGSC; and
- Preparation of a final report, detailing the findings of the assessment and outlining ACMs identified within the subject buildings, if any.

3.0 BUILDING/FEATURE OVERVIEW

The following observations were made of the subject buildings:

- Total floor space of all floors and all buildings was approximately 13,750 m^2.
- The main building was constructed circa 1970.
- The main building was comprised of five floors: basement, main floor, second floor, third floor and a penthouse.
- The basement consisted of mainly storage spaces, walk-in coolers in the north end, cafeteria and a service tunnel running through the centre with an additional service tunnel extending to the west housing the mechanical facilities for the floor.
- The main floor consisted of mainly office spaces with a service tunnel running through the centre housing the mechanical facilities for the floor. Three exterior greenhouses were attached to the building on the south side of the west wing.
- The second floor consisted of office spaces around the perimeter of the floor and the interior consisted of laboratories and office spaces along with a library. A service tunnel ran through the centre housing the mechanical facilities for the floor.
- The penthouse housed the buildings mechanical systems including the air handling units.
- The main building was heated by natural gas boilers.
- General construction for the main building was concrete precast floors and walls with interior finishes ranging from unfinished drywall to finished drywall with jointing compound, sheet flooring, floor tiles and carpet. Office spaces contained a drop ceiling with ceiling tiles and the laboratories had an open concept without drop ceilings.
- The HAZMAT shed was constructed circa 1985.
- The HAZMAT shed was one level with a concrete slab on grade foundation and metal q-decking construction totalling a floor print of approximately 750 m^2.
- The HAZMAT shed was used for storage of equipment and chemicals were stored within isolated rooms housed with cinder block wall construction.

Photographs of the main Forestry Building are provided as Photos 1 to 4 within Appendix B; Photo 5 shows the HAZMAT shed.

4.0 REGULATORY GUIDELINES

Where applicable, Tetra Tech utilized the following documents as reference and regulatory guidance for the completion of this work.

4.1 FEDERAL OCCUPATIONAL HEALTH AND SAFETY REGULATIONS

Within federal jurisdictions Occupational Health and Safety is regulated by Human Resources Skills Development Canada (HRSDC), under the Canada Labor Code, *Part II – Occupational Health and Safety* (Canada Labor Code). The Canada Labor Code defines the general duties and obligations of the employer, employees and others at federally regulated workplaces.

PWGSC follows an internal policy to comply with all federal, provincial, territorial and municipal regulations, statutes and requirements with regards to ACMs in government-owned or leased buildings. This policy is entitled: *DP 057 – Asbestos Management* (1997). DP 057 outlines a comprehensive approach to departmental asbestos management.

4.2 PROVINCIAL OCCUPATIONAL HEALTH AND SAFETY REGULATIONS

The regulations, guidelines, and codes relevant to the management and abatement of hazardous materials include the *Alberta Occupational Health and Safety Act, Code, and Regulations*, June 2009 (Third Edition) and the *Alberta Asbestos Abatement Manual*, August 2011.

The *Alberta Occupational Health and Safety Code*, June 2009 (Third Edition), is law which was passed to protect the health and safety of workers on the job. As such, the Code and the sections under the Code are enforceable by law. The Code places the onus on both the employer and the employees to ensure a safe working environment.

4.3 ASBESTOS-CONTAINING MATERIAL

Each province has regulations or guidelines for control of work around asbestos-containing building materials and for the packaging and disposal of asbestos waste. In addition, the federal government has issued regulations for packaging and transporting asbestos waste.

Part 4 and Schedule 1 - Table 2 in the *Alberta Occupational Health and Safety Code*, June 2009 (Third Edition), outlines the general requirements to be followed when working with asbestos. It also defines occupational exposure limits (OEL) for a variety of airborne contaminants.

The OEL for a particular contaminant represents conditions to which it is believed that nearly all workers may be exposed, day after day, without suffering adverse health effects. Due to individual susceptibility, a small percentage of workers may experience discomfort at concentrations below the applicable OEL. An 8 hour OEL refers to the average concentration of a substance over an 8-hour period.

Sections 31 through 38 in Part 4 of the *Alberta Occupational Health and Safety Code*, June 2009 (Third Edition), outline the requirements related to asbestos in facilities. Sections 32 through 34 specifically outline the limitations on the use of asbestos in the building. The requirements of Sections 32 through 34 are summarized below:

- Asbestos products that have the potential for releasing fibres may not be installed;
- All materials containing crocidolite are banned from use;
- Spray-applied asbestos products are banned from use;
- Asbestos products, in general, must not be in a form or location where they could release airborne fibres and allow them to enter a ventilation system; and
- A building to be demolished is to have all materials with the potential of releasing asbestos fibres removed.

The Government of Alberta, Employment and Immigration has published the *Alberta Asbestos Abatement Manual* (updated August 2011). This manual outlines the best practices to be followed during asbestos abatement. It also presents basic information on asbestos and asbestos products, health hazards, requirements for worker protection, safe work procedures, inspection criteria, applicable legislation and competency profiles for those persons involved in abatement activities. This document provides a guide to current practices that are to be followed in the Province of Alberta.

4.4 HEALTH AND SAFETY

Tetra Tech completed a Site-Specific Safety Plan (SSSP) specific to this project which was submitted to PWGSC prior to project commencement. The SSSP included but was not limited to:

- On-site hazards,
- Project specific personal protection equipment (PPE),
- Safety training,

- Location of nearest hospital in regards to the subject buildings, and,
- Emergency contact information for on-site Tetra Tech employees.

During the assessment, Tetra Tech employees had the SSSP available at all times while on the site in the subject buildings. At the start of each day, Tetra Tech held a toolbox meeting that included: discussion of the scope of work, job hazards, safe work practices, and emergency procedures.

Tetra Tech's work was completed in compliance with the appropriate general requirements of applicable Occupational Health and Safety (OH&S) Acts and Regulations.

5.0 INVESTIGATION METHODOLOGY

The room-by-room ACM assessment was non-intrusive in nature. The non-intrusive (non-destructive) assessment attempted to identify both visible and concealed building materials which may include for example: window mastic, suspended ceiling tiles, double layer drywall, concealed flooring under existing flooring, and or concealed mechanical systems located behind walls. However, as this was a non-intrusive assessment, all concealed building materials may not have been identified. While the ACM assessment endeavoured to identify all potential ACMs, users of this report should be aware that the sampling program had some limitations given the fact that some materials, by their very nature, may be concealed and therefore were not inspected.

5.1 ASBESTOS-CONTAINING MATERIALS

Tetra Tech inspected readily-identifiable areas and materials of concern within the subject building identified in the agreed upon scope of work for this project by Tetra Tech, PWGSC and NRCAN. Inspection areas and materials of concern relating to ACMs focused primarily on mechanical insulation, but also included sampling and inspection of potential cement wallboard, drywall and taping compound, various flooring finishes, spray-applied insulation, fire stopping, cementitious piping, ceiling tiles and caulking materials/mastics. Tetra Tech visually assessed for vermiculite insulation (zonolite) from cinder block wall cavities where applicable; an intrusive assessment was not conducted as it would cause damage to the building components.

A total of 130 samples of suspected ACM were collected from the subject buildings (including 14 duplicate samples). Bulk samples were collected from suspected ACMs during the visual inspection. Suspected ACMs were grouped as homogeneous areas if the material was similar in appearance and texture; however, if the inspector determined that a material (for example, pipe insulation) was not similar in appearance and texture to other materials in the building, the inspector would distinguish the material as unique and collect samples of each unique material.

A wetting agent was applied to friable surfaces prior to sample collection to reduce the potential for fibre release. Samples collected were placed in plastic bags, labelled, and sealed immediately upon collection. The sampling instruments were washed with water and wiped clean using a wet paper towel after the collection of each sample to prevent cross-contamination between samples. A unique sample identification number was assigned to each sample in general accordance with the following format:

Floor Number - Room Number - Sample Number

For example, a sample collected from room 42 of the second floor was identified as:

2-042-001

Upon completion of sampling activities, the bulk samples were delivered by the assessor along with chain-of-custody (CoC) documentation, to the Purolator Courier depot in Calgary, Alberta for transportation to the analyzing laboratory iATL International Testing Laboratories located in Mount Laurel, New Jersey. iATL is accredited by the United States Department of Commerce, National Institute of Standards and Technology under the National Voluntary Laboratory Accreditation Program (NVLAP), accreditation lab code:101165-0. Samples were analyzed under Polarized Light Microscopy using dispersion staining in accordance with EPA method 600/R-93/116.

Analytical results showing greater than or equal to 1% asbestos by volume (or results denoted as containing trace amounts of asbestos) were identified as ACM, in accordance with the PWGSC DP 057 and the Government of Alberta, Employment and Immigration publication *Alberta Asbestos Abatement Manual (2011).*

6.0 INVESTIGATION RESULTS AND DISCUSSION

A summary of asbestos analytical results for all of the samples collected within the subject buildings is included in Table 2 in Appendix A. Photographs of the subject buildings and sample locations that were analytically determined to be asbestos containing are provided in Appendix B. Site plans showing the sample locations and the identified ACMs within the subject buildings are provided as Figures 1a to 6 in Appendix C. The laboratory analytical report including the laboratories NVLAP accreditation is provided in Appendix D. HAZMAT Inspector Asbestos Management Database reports are included in Appendix E. The Tetra Tech SSSP is included in Appendix F.

6.1 ASBESTOS-CONTAINING MATERIALS

Tetra Tech collected and submitted 130 samples (including 14 duplicate QA/QC samples outlined in Section 7.0) to the laboratory for asbestos analysis. Based on these analyses, ACMs were identified in various building materials. Analytical results, sample point locations and descriptions of all materials assessed for asbestos content are summarized in Table 2 in Appendix A. Materials confirmed to be asbestos-containing are highlighted within the tables and outlined below.

6.1.1 *BASEMENT*

The following is a summary of the ACMs identified within the basement of the main building at the time of Tetra Tech's assessment.

- Asbestos-containing friable mudded pipe insulation (Tetra Tech sample #B-001-001) containing 40% chrysotile asbestos. The ACM was associated with the elbow of a 2" diameter pipe at ceiling level in a basement storage room as shown on Figure 1a in Appendix C. There were two pipes present with a total of 9 elbows. The ACM was in good condition at the time of assessment as shown in Photo 6, in Appendix B, and should be managed in place. The ACM within the storage room is considered Access (C) Exposed.
- Asbestos-containing non-friable 12"x12" black with white fleck vinyl floor tiles (Tetra Tech sample B-SW001-005) containing 1.2% chrysotile asbestos. The ACM was located on the landings within the eastern stairwell as shown on Figure 1a totalling approximately 30 m^2. The ACM was in good condition at the time of assessment as shown in Photo 7 and should be managed in place. The ACM within the stairwell is considered Access (A).

- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample B-008-011) containing 1.6% chrysotile asbestos. The ACM was associated with the column within the publications storage room as shown on Figure 1a totalling approximately 80 m^2 in total for all columns within the room. The ACM was in good condition at the time of assessment as shown in Photo 8 and should be managed in place. The ACM within the publications storage room is considered Access (A).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample B-012-013/ B-012-014) containing 1.4% and 1.5% chrysotile asbestos applied to the walls and ceiling of the janitorial room as shown on Figures 1a and 1b totalling approximately 80 m^2. The ACM was in good condition at the time of assessment as shown in Photo 9 and should be managed in place. The ACM within the janitorial room is considered Access (B).
- Asbestos-containing non-friable tan mastic (Tetra Tech sample B-014-018) containing 10% chrysotile asbestos applied at a pipe penetration extending from the ceiling of the walk-in cooler as shown on Figure 1b totalling approximately 0.01 m^2. The ACM was in good condition at the time of assessment as shown in Photo 10 and should be managed in place. The ACM within the walk-in cooler is considered Access (C) exposed.
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample B-017-019) containing 1.3% chrysotile asbestos applied to the ceiling of the storage room as shown on Figure 1b totalling approximately 55 m^2. The ACM was in fair condition at the time of assessment as shown in Photo 11 and should be patched where there is a penetration or abated in full. The ACM within the storage room is considered Access (C) exposed.
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample B-018-020) containing 1.9% chrysotile asbestos applied to the column of the electrical room as shown on Figure 1b totalling approximately 100 m^2 in total for all columns within the room. The ACM was in good condition at the time of assessment as shown in Photo 12 and should be managed in place.The ACM within the electrical room is considered Access (B).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample B-025-023) containing 1.4% chrysotile asbestos applied to the wall of the janitorial room as shown on Figures 1a and 1b totalling approximately 100 m^2. The ACM was in good condition at the time of assessment as shown in Photo 13 and should be managed in place. The ACM within the janitorial room is considered Access (B).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample B-031-024) containing 1.2% chrysotile asbestos applied to the ceiling of the cafeteria as shown on Figures 1a and 1b totalling approximately 200 m^2. The ACM was in good condition at the time of assessment as shown in Photo 14 and should be managed in place. The ACM within the cafeteria is considered Access (C) exposed.

- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample B-033-026) containing 1.9% chrysotile asbestos applied to the perimeter wall of the lunch room as shown on Figure 1a totalling approximately 180 m^2. The ACM was in good condition at the time of assessment as shown in Photo 15 and should be managed in place. The ACM within the lunch room is considered Access (B).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample B-054B-029) containing 1.7% chrysotile asbestos applied to the ceiling of the office space as shown on Figures 1a and 1b totalling approximately 100 m^2. The ACM was in poor condition at the time of assessment as shown in Photo 16 and should be patched, encapsulated or abated in full. The ACM within the office space is considered Access (C) exposed.
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample B-057-030) containing 1.3% chrysotile asbestos applied to the column of the telephone room as shown on Figures 1a and 1b totalling approximately 10 m^2 in total for all columns within the room. The ACM was in good condition at the time of assessment as shown in Photo 17 and should be managed in place. The ACM within the telephone room is considered Access (B).
- Asbestos-containing friable mudded insulation (Tetra Tech sample B-HW001-033) containing 10% chrysotile asbestos applied to the elbow of the 2” diameter pipe above the ceiling tiles in the hallway adjacent to the cafeteria as shown on Figure 1a totalling approximately 42 elbows. The ACM was in poor condition at the time of assessment as shown in Photo 18 and should be abated. The ACM within the hallway is considered Access (C) concealed.
- Asbestos-containing non-friable grey mastic (Tetra Tech sample B-HW002-034) containing 1.5% chrysotile asbestos applied to the square HVAC ducting above the ceiling tiles in the north east hallway as shown on Figures 1a and 1b. The ACM was in good condition at the time of assessment as shown in Photo 19 and should be managed in place. The ACM within the hallway is considered Access (C) concealed.
- Asbestos-containing friable mudded insulation (Tetra Tech sample B-HW008-038/ B-HW008-040) containing 10% chrysotile asbestos applied to the elbows of the 4” diameter piping above the ceiling tiles in the hallway adjacent to the service corridors as shown on Figures 1a and 1b totalling approximately 8 elbows. The ACM was in good condition at the time of assessment as shown in Photo 20 and should be managed in place. The ACM within the hallway is considered Access (C) concealed.

6.1.2 *MAIN FLOOR*

Based on the findings of our assessment, the following is a summary of the ACMs identified within the main floor of the main building at the time of Tetra Tech’s assessment.

- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 1-006-042) containing 1.1% chrysotile asbestos applied to the perimeter wall of the cubicle office spaces in the east wing as shown on Figure 2a totalling approximately 380 m^2. The ACM was in good condition at the time of assessment as shown in Photo 21 and should be managed in place. The ACM within the office space is considered Access (A).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 1-007-043) containing 2.1% chrysotile asbestos applied to the interior wall adjacent to the door of an office within the east wing as shown on Figure 2a totalling approximately 170 m^2. The ACM was in good condition at the time of assessment as shown in Photo 22 and should be managed in place. The ACM within the office space is considered Access (A).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 1-032-048) containing 1.6% chrysotile asbestos applied to the perimeter wall at the window of an office within the central core as shown on Figures 2a and 2b totalling approximately 35 m^2. The ACM was in good condition at the time of assessment as shown in Photo 23 and should be managed in place. The ACM within the office space is considered Access (A).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 1-045-049) containing 1.4% chrysotile asbestos applied to the wall of janitorial room as shown on Figure 2a totalling approximately 35 m^2. The ACM was in good condition at the time of assessment as shown in Photo 24 and should be managed in place. The ACM within the janitorial room is considered Access (A).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 1-055-050) containing 1.5% chrysotile asbestos applied to the perimeter wall of an office in the central core as shown on Figure 2a totalling approximately 35 m^2. The ACM was in good condition at the time of assessment as shown in Photo 25 and should be managed in place. The ACM within the office space is considered Access (A).
- Asbestos-containing non-friable 12”x12” greenish vinyl floor tiles (Tetra Tech sample 1-060-051) containing 1.1% chrysotile asbestos within an office in the central core as shown on Figure 2a totalling approximately 120 m^2. The ACM was in good condition at the time of assessment as shown in Photo 26 and should be managed in place. The ACM within the office space is considered Access (A).
- Asbestos-containing friable mudded pipe insulation (Tetra Tech sample 1-HW003-054) containing 10% chrysotile asbestos applied to the 4” diameter pipe elbow above the ceiling space in the northwest hallway as shown on Figures 2a and 2b totalling approximately 4 elbows. The ACM was in good condition at the time of assessment as shown in Photo 27 and should be managed in place. The ACM within the hallway is considered Access (C) concealed.
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 1-093-055) containing 1.6% chrysotile asbestos applied to the column of the janitorial

room as shown on Figure 2a totalling approximately 15 m^2. The ACM was in good condition at the time of assessment as shown in Photo 28 and should be managed in place. The ACM within the janitorial room is considered Access (B).

- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 1-099-057) containing 1.3% chrysotile asbestos applied to the perimeter wall of an office in the central core as shown on Figure 2b totalling approximately 35 m^2. The ACM was in good condition at the time of assessment as shown in Photo 29 and should be managed in place. The ACM within the office space is considered Access (A).
- Asbestos-containing non-friable light grey caulking (Tetra Tech sample 1-EXT-059) containing 1.2% chrysotile asbestos applied to the perimeter separation joints of the pre-cast walls as shown on Figure 2b. The ACM was in good condition at the time of assessment as shown in Photo 30 and should be managed in place. The ACM of the exterior is considered Access (A).
- Asbestos-containing friable mudded insulation (Tetra Tech sample 1-102-062) containing 20% chrysotile asbestos applied to the air handling unit located at the west end of the boiler room as shown on Figure 2b totalling approximately 10 m^2. The ACM was in poor condition at the time of assessment as shown in Photo 31 and should be repaired, encapsulated or abated. The ACM within the boiler is considered Access (B).
- Asbestos-containing friable mudded insulation (Tetra Tech sample 1-102-063) containing 40% chrysotile asbestos applied to the air handling unit located at the north end of the boiler room as shown on Figure 2b totalling approximately 10 m^2. The ACM was in poor condition at the time of assessment as shown in Photo 32 and should be repaired, encapsulated or abated. The ACM within the boiler is considered Access (B).
- Asbestos-containing friable mudded insulation (Tetra Tech sample 1-104-065) containing 50% chrysotile asbestos applied to the 6” diameter pipe elbow within the laboratory as shown on Figure 2b totalling approximately 3 elbows. The ACM was in good condition at the time of assessment as shown in Photo 33 and should be managed in place. The ACM within the laboratory is considered Access (A).
- Asbestos-containing friable mudded insulation (Tetra Tech sample 1-104-066) containing 50% chrysotile asbestos applied to the 2” diameter pipe elbow within the laboratory as shown on Figure 2b totalling approximately 7 elbows. The ACM was in good condition at the time of assessment as shown in Photo 34 and should be managed in place. The ACM within the laboratory is considered Access (A).
- Asbestos-containing non-friable brown mastic (Tetra Tech sample 1-HW008-072) containing 1.2% chrysotile asbestos applied to the exterior door frame within the northwest entrance as shown on Figure 2b. The ACM was in good condition at the time of assessment as shown in Photo 35 and should be managed in place. The ACM within the entrance is considered Access (A).

- Asbestos-containing non-friable silver mastic (Tetra Tech sample 1-SC001-075) containing 2.7% chrysotile asbestos applied to the 16” diameter pipe within the south service corridor as shown on Figure 2a. The ACM was in good condition at the time of assessment as shown in Photo 36 and should be managed in place. The ACM within the service corridor is considered Access (B).

6.1.3 *Second Floor*

Based on the findings of our assessment, the following is a summary of the ACMs identified within the second floor of the main building at the time of Tetra Tech’s assessment.

- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 2-007-077) containing 1.5% chrysotile asbestos applied to the interior wall of the janitorial room as shown on Figure 3a totalling approximately 30 m^2. The ACM was in good condition at the time of assessment as shown in Photo 37 and should be managed in place. The ACM within the janitorial room is considered Access (B).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 2-013-078) containing 1.7% chrysotile asbestos applied to the bulkhead of the library as shown on Figures 3a and 3b totalling approximately 300 m^2. The ACM was in good condition at the time of assessment as shown in Photo 38 and should be managed in place. The ACM within the library is considered Access (A).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 2-014-081) containing 1.8% chrysotile asbestos applied to the office perimeter wall as shown on Figures 3a and 3b totalling approximately 35 m^2. The ACM was in good condition at the time of assessment as shown in Photo 39 and should be managed in place. The ACM within the office is considered Access (A).
- Asbestos-containing non-friable 12”x12” olive vinyl floor tiles (Tetra Tech sample 2-SW002-082) containing 1.2% chrysotile asbestos within the southwestern stairwell as shown on Figure 3b totalling approximately 30 m^2. The ACM was in good condition at the time of assessment as shown in Photo 40 and should be managed in place. The ACM within the stairwell is considered Access (A).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 2-024-084) containing 2.1% chrysotile asbestos applied to the interior wall of the janitorial room as shown on Figure 3b totalling approximately 30 m^2. The ACM was in good condition at the time of assessment as shown in Photo 41 and should be managed in place. The ACM within the janitorial room is considered Access (B).
- Asbestos-containing friable mudded insulation (Tetra Tech sample 2-047-085) containing 60% chrysotile asbestos applied to the 2” diameter pipe elbow within the laboratory as shown on Figures 3a and 3b totalling approximately 4 elbows. The ACM was in good condition at the time of assessment as shown in Photo 42 and

should be managed in place. The ACM within the laboratory is considered Access (C) exposed.

- Asbestos-containing friable mudded insulation (Tetra Tech sample 2-HW001-086) containing 15% chrysotile asbestos applied to the 2" diameter pipe elbow within the northeastern hallway as shown on Figure 3a totalling approximately 6 elbows. The ACM was in good condition at the time of assessment as shown in Photo 43 and should be managed in place. The ACM within the hallway is considered Access (C) concealed.
- Asbestos-containing non-friable grey mastic (Tetra Tech sample 2-HW004-088) containing 2.9% chrysotile asbestos applied to the square HVAC ducting within the southwestern hallway as shown on Figures 3a and 3b. The ACM was in good condition at the time of assessment as shown in Photo 44 and should be managed in place. The ACM within the hallway is considered Access (C) concealed.
- Asbestos-containing non-friable red mastic (Tetra Tech sample 2-HW004-090) containing 2% chrysotile asbestos applied to the square HVAC ducting within the southwestern hallway as shown on Figure 3b. The ACM was in good condition at the time of assessment as shown in Photo 45 and should be managed in place. The ACM within the hallway is considered Access (C) concealed.
- Asbestos-containing friable mudded insulation (Tetra Tech sample 2-HW005-091) containing 15% chrysotile asbestos applied to the 2" diameter pipe elbow within the south hallway perimeter wall as shown on Figure 3b totalling approximately 24 elbows. The ACM was in poor condition at the time of assessment as shown in Photo 46 and should be managed in place. The ACM within the hallway is considered Access (C) concealed.

6.1.4 *Third Floor*

Based on the findings of our assessment, the following is a summary of the ACMs identified within the third floor of the main building at the time of Tetra Tech's assessment.

- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 3-007-092) containing 1.7% chrysotile asbestos applied to the interior wall of the janitorial room as shown on Figure 4a totalling approximately 30 m^2. The ACM was in good condition at the time of assessment as shown in Photo 47 and should be managed in place. The ACM within the janitorial room is considered Access (B).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 3-011-093) containing 1.6% chrysotile asbestos applied to the office perimeter wall as shown on Figure 4a totalling approximately 35 m^2. The ACM was in good condition at the time of assessment as shown in Photo 48 and should be managed in place. The ACM within the office is considered Access (A).

- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 3-022-095) containing 1.7% chrysotile asbestos applied to the office perimeter wall as shown on Figure 4b totalling approximately 35 m^2. The ACM was in good condition at the time of assessment as shown in Photo 49 and should be managed in place. The ACM within the office is considered Access (A).
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 3-026-096) containing 1.8% chrysotile asbestos applied to the interior wall of the janitorial room as shown on Figure 4b totalling approximately 30 m^2. The ACM was in good condition at the time of assessment as shown in Photo 50 and should be managed in place. The ACM within the janitorial room is considered Access (B).
- Asbestos-containing non-friable 12”x12” greenish with white vinyl floor tiles (Tetra Tech sample 3-042-097) containing 1.2% chrysotile asbestos within the laboratory as shown on Figure 4a totalling approximately 120 m^2. The ACM was in good condition at the time of assessment as shown in Photo 51 and should be managed in place. The ACM within the laboratory is considered Access (A).
- Asbestos-containing friable mudded insulation (Tetra Tech sample 3-HW001-100) containing 10% chrysotile asbestos applied to the 2” diameter pipe elbow within the northeastern hallway as shown on Figure 4a totalling approximately 3 elbows. The ACM was in good condition at the time of assessment as shown in Photo 52 and should be managed in place. The ACM within the hallway is considered Access (C) concealed.
- Asbestos-containing friable mudded insulation (Tetra Tech sample 3-HW007-101) containing 10% chrysotile asbestos applied to the 2” diameter pipe elbow within the central hallway as shown on Figures 4a and 4b totalling approximately 4 elbows. The ACM was in good condition at the time of assessment as shown in Photo 53 and should be managed in place. The ACM within the hallway is considered Access (C) concealed.
- Asbestos-containing non-friable drywall joint compound (Tetra Tech sample 3-073-102) containing 1.6% chrysotile asbestos applied to the interior column of the janitorial room as shown on Figures 4a and 4b totalling approximately 15 m^2. The ACM was in good condition at the time of assessment as shown in Photo 54 and should be managed in place. The ACM within the janitorial room is considered Access (B).

6.1.5 *PENTHOUSE*

Based on the findings of our assessment, the following is a summary of the ACMs identified within the penthouse of the main building at the time of Tetra Tech’s assessment.

- Asbestos-containing non-friable transite cement board (Tetra Tech sample P-N-110) containing 25% chrysotile asbestos applied to the perimeter walls of the

penthouse as shown on Figures 5a and 5b totalling approximately 380 m^2. The ACM was in good condition at the time of assessment as shown in Photo 55 and should be managed in place. The ACM within the penthouse is considered Access (B).

- Asbestos-containing friable mudded mechanical insulation (Tetra Tech sample P-N-114) containing 25% chrysotile asbestos applied to the 24" diameter pipe within the penthouse as shown on Figures 5a and 5b totalling 6 pipes. The ACM was in moderate to poor condition in select locations at the time of assessment as shown in Photo 56 and should be managed in place. The ACM within the penthouse is considered Access (B) and was labeled as asbestos containing at the time of assessment.
- Asbestos-containing friable mudded mechanical insulation (Tetra Tech sample P-S-116) containing 40% chrysotile asbestos applied to the glycol heat exchanger within the penthouse as shown on Figures 5a and 5b totalling approximately 15 m^2. The ACM was in good condition at the time of assessment as shown in Photo 57 and should be managed in place. The ACM within the penthouse is considered Access (B).
- Asbestos-containing friable mudded mechanical insulation (Tetra Tech sample P-S-118) containing 40% chrysotile asbestos applied to the AHU #2 cold deck within the penthouse as shown on Figures 5a and 5b totalling approximately 145 m^2. The ACM was in good condition at the time of assessment as shown in Photo 58 and should be managed in place. The ACM within the penthouse is considered Access (B).
- Asbestos-containing friable mudded mechanical insulation (Tetra Tech sample P-S-119) containing 20% chrysotile asbestos applied to the AHU #2 hot deck within the penthouse as shown on Figures 5a and 5b totalling approximately 145 m^2. The ACM was in good condition at the time of assessment as shown in Photo 58 and should be managed in place. The ACM within the penthouse is considered Access (B).
- Asbestos-containing friable mudded mechanical insulation (Tetra Tech sample P-S-122) containing 40% chrysotile asbestos applied to the AHU #1 cold deck within the penthouse as shown on Figures 5a and 5b totalling approximately 145 m^2. The ACM was in good condition at the time of assessment as shown in Photo 66 and should be managed in place. The ACM within the penthouse is considered Access (B).
- Asbestos-containing non-friable grey mastic (Tetra Tech sample P-S-123) containing 1.5% chrysotile asbestos applied to the metal ducting around the door of the AHU #2 cold deck within the penthouse as shown on Figures 5a and 5b totalling approximately 5 m^2. The ACM was in good condition at the time of assessment as shown in Photo 59 and should be managed in place. The ACM within the penthouse is considered Access (B).

- Asbestos-containing friable mudded mechanical insulation (Tetra Tech sample P-S-125) containing 80% chrysotile asbestos applied to the AHU #2 cold deck within the penthouse as shown on Figures 5a and 5b totalling approximately 145 m^2. The ACM was in good condition at the time of assessment as shown in Photo 60 and should be managed in place. The ACM within the penthouse is considered Access (B).
- Asbestos-containing friable mudded mechanical insulation (Tetra Tech sample P-S-130) containing 15% chrysotile asbestos applied to exhaust fan #49 within the south end of the penthouse adjacent to the exit door as shown on Figure 5b totalling approximately 15 m^2. The ACM was in good condition at the time of assessment as shown in Photo 61 and should be managed in place. The ACM within the penthouse is considered Access (B).

The ACM sample locations from the subject buildings are shown graphically on Figures 1a to 5b in Appendix B. The HAZMAT building is shown on Figure 6 in Appendix B.

6.1.6 *Homogenous Building Materials and Visually-Identified ACMs*

During the assessment, materials considered to be homogenous (visually similar) were noted within areas of the subject buildings. As well, Tetra Tech visually identified materials that were known to be asbestos-containing. The following materials were visually identified to be homogenous or asbestos-containing.

6.1.6.1 *Asbestos-Containing Mudded Pipe Insulation*

Within the main building, Tetra Tech identified the main domestic water piping throughout consisted primarily of 2” and 4” diameter piping. A total of seven samples of insulation on elbows were collected for the 2” diameter piping and all seven were asbestos containing. The 2” diameter piping appeared to mainly be associated with the domestic water supply and return including the heating system and emergency showers within the laboratory rooms. Tetra Tech estimates there are approximately 300 elbows associated with the 2” diameter pipes that may have the asbestos containing mudded insulation.

A total of four samples were collected for the 4” diameter piping and all four were asbestos containing. The 4” piping was mainly identified in the ceiling spaces of the hallways and supplying the 2” piping for the heating and domestic water system. Tetra Tech estimates there are approximately 140 elbows associated with the 4” diameter pipes that may have asbestos-containing mudded insulation at the elbows.

Within the penthouse, 24” diameter piping was identified. Tetra Tech collected one sample of the mudded insulation and the sample was confirmed to be asbestos

containing. Tetra Tech identified within the boiler room four 24” diameter pipes extending from the floor to ceiling.

6.1.6.2 *Drywall Joint Compound*

Within the main building, many walls separating office and laboratory spaces did not have jointing compound applied at the time of the assessment. However, the perimeter walls and select interior walls and columns did contain drywall joint compound. Tetra Tech collected 31 samples of drywall joint compound and 28 of the 31 samples were determined to be asbestos containing. Samples were collected within the janitorial rooms, electrical rooms, perimeter walls, select interior walls and ceilings. Tetra Tech estimates there is approximately 5000 m^2 of asbestos-containing drywall joint compound within the main building.

6.1.6.3 *12”x12” Black with White Fleck Vinyl Floor Tiles*

Tetra Tech collected one sample of the 12”x12” black with white fleck vinyl floor tiles within B-SW001 (eastern stairwell). The floor tile was analytically determined to be asbestos containing and was only visually identified within this stairwell. Tetra Tech estimates there is approximately 25 m^2 of asbestos-containing 12”x12” black with white fleck vinyl floor tiles within the main building.

6.1.6.4 *12”x12” Greenish Vinyl Floor Tiles*

Tetra Tech collected one sample of the 12”x12” greenish vinyl floor tiles within 1-060 (office). The floor tile was analytically determined to be asbestos containing and was visually identified in the following areas; M-067 (computer room), M-067A (storage), M-068 (IT office), M-078 (office), M-083 (lunch room), M-084 (wet laboratory), M-087 (laboratory), M-088 (laboratory), 2-043 (laboratory), 2-044 (laboratory), 2-044A (laboratory storage) 2-045 (laboratory), 2-045 A/B (office), 2-046 (x-ray room), 2-047 (laboratory), 2-048 (laboratory), 2-049 (laboratory), 2-050 (laboratory), 2-051 (laboratory), 2-052 (laboratory), 2-053 (laboratory), 2-056 (laboratory), 2-065 (library annex), Tetra Tech estimates there is approximately 1,700 m^2 of asbestos-containing 12”x12” greenish vinyl floor tiles within the main building.

6.1.6.5 *12”x12” Olive Vinyl Floor Tiles*

Tetra Tech collected one sample of the 12”x12” olive vinyl floor tiles within 2-SW002 (southwestern stairwell). The floor tile was analytically determined to be asbestos containing and was visually identified in the following areas; 2-SW003 (southwestern stairwell), 2-HW001 – 2-HW007 (second floor hallways), 3-SW002 (southeastern stairwell), 3-SW003 (southwestern stairwell), 3-HW001 – 3-HW007 (third floor hallways). Tetra Tech estimates there is approximately 3,700 m^2 of asbestos-containing 12”x12” olive vinyl floor tiles within the main building.

6.1.6.6 *12”x12” Greenish with White Vinyl Floor Tiles*

Tetra Tech collected one sample of the 12”x12” greenish with white vinyl floor tiles within 3-042 (laboratory). The floor tile was analytically determined to be asbestos-containing and was visually identified in the following areas; 3-037 (laboratory), 3-038 (laboratory), 3-039 (laboratory), 3-040 (laboratory), 3-041 (laboratory), 3-044 (laboratory), 3-045 (laboratory), 3-046 (laboratory), 3-047 (laboratory), 3-049 (laboratory), 3-049A (drying room), 3-052 (storage), 3-053 (laboratory), 3-054 (drying room), 3-057 (office), 3-058 (laboratory), 3-060 (office), 3-061 (office), 3-062 (office), 3-063 (office), 3-064 (laboratory), 3-065 (laboratory), 3-066 (laboratory), 3-067 (laboratory) and 3-072 (laboratory). Tetra Tech estimates there is approximately 1,950 m^2 of asbestos-containing 12”x12” greenish with white vinyl floor tiles within the main building.

6.1.6.7 *HVAC Ducting Mastic*

Tetra Tech collected and sampled nine visually different mastics associated with the HVAC ducting system. The following four distinctive colors were analytically confirmed to be asbestos containing; grey, red, silver and brown. Due to the large quantity of HVAC ducting that was concealed with a foil paper insulating wrap, Tetra Tech was unable to accurately quantify each distinctive color and location.

6.1.6.8 *Asbestos-Containing Transite Wall Board*

Tetra Tech collected one sample of asbestos-containing transite wall board within the penthouse. The transite wall board was identified to be present within the second and third floor service corridors. Within the service corridors the cement board was used as a fire stop at penetrations where fume hood piping was historically present as shown in Photo 62. Where identified, the transite board in each location measured 0.3 m^2. Tetra Tech identified approximately 10 m^2 in the basement service corridors, 3 m^2 in the main floor service corridors, 18 m^2 in the second floor service corridor and 12 m^2 within the third floor service corridors. Within the penthouse the transite cement board was present on the interior perimeter walls totalling approximately 900 m^2.

Within select fume hoods transite cement wall board was present as shown in Photo 63. The transite wall board totalled approximately 12 m^2 per fume hood. Tetra Tech visually identified fume hoods containing the transite wall board within B-051, B-056, 1-080, 2-036, 2-037, 2-043, 2-044, 2-045, 2-047, 2-056 and 3-055 totalling approximately 132 m^2.

6.1.6.9 *Asbestos-Containing Transite Cement Piping*

Tetra Tech visually identified asbestos-containing transite cement piping, with an approximate diameter of 18 inches as shown in Photo 64, utilized as vent ducting for laboratory fume hoods within the service corridors and the penthouse. The following

locations were visually identified on each floor. Within the main floor service corridor on the south end, four pipes were identified. Within the second floor service corridor on the south end, two pipes were identified and on the north end four pipes was identified. Within the third floor service corridors, three pipes were identified and on the north end one pipe was identified. Within the penthouse 15 pipes were identified that extend from the floor to the ceiling.

6.1.6.10 *VERMICULITE WALL INSULATION (HAZMAT SHED)*

Within the main building vermiculite insulation known to be contaminated with asbestos fibres was not identified. Within the HAZMAT shed vermiculite insulation was used to insulate the interior walls of the storage rooms. Vermiculite insulation debris was identified on the floor within the corrosive/acid storage room as shown in Photo 65. Tetra Tech estimates there is approximately 1200 m^2 of cinder block walls that contain the asbestos contaminated vermiculite insulation within the HAZMAT shed.

7.0 QUALITY ASSURANCE/QUALITY CONTROL

7.1 FIELD QUALITY ASSURANCE/QUALITY CONTROL

Field Quality Assurance/Quality Control (QA/QC) procedures undertaken by Tetra Tech field staff included the cleaning of sampling equipment, sample collection, and handling and management procedures, as summarized below:

- New, clean, disposable nitrile gloves were worn when handling samples or sampling equipment. New gloves were worn for every sample collected.
- Sampling equipment was cleaned before and between samples by washing the equipment with water and wiping clean with a paper towel.
- Samples submitted for laboratory analyses were identified on the outside of the sample bags.
- Duplicate samples were submitted to the laboratory at a rate of approximately one duplicate for every ten samples.

7.2 LABORATORY QUALITY ASSURANCE/QUALITY CONTROL

Each laboratory report provided by iATL includes a Quality Assurance Report. Each laboratory report was analyzed using a Tetra Tech Lab Data Checklist which ensures that both laboratory and field quality control measures are within acceptable parameters.

Laboratory analytical results for the collected field duplicates were compared using the relative percent difference (RPD_{DUP}), which is defined as the absolute value of the difference between the two samples, divided by the average. Due to analytical errors near the method detection limit, the RPD_{DUP} should only be applied where the analyte concentrations are greater than the practical quantitation limit (PQL) (defined as five times the method detection limit). As there is no industry standard for RPDs in ACM, for comparison purposes we adopted an acceptable value of less than 100% for the RPD_{DUP} value.

In total 14 duplicate samples were collected. The following comments were noted in relation to RPD_{DUP} values:

- The RPD_{DUP} value could not be calculated for ACM sample B-HW002-036 and its duplicate (B-HW002-037) since the analyte concentration was less than the PQL.

- The calculated RPD_{DUP} value for ACM on sample B-HW009-038 and its duplicate (B-HW009-039) was 0%, which is considered acceptable.
- The calculated RPD_{DUP} value for ACM on sample B-HW009-040 and its duplicate (B-HW009-041) was 0%, which is considered acceptable.
- The calculated RPD_{DUP} value for ACM on sample 1-093-055 and its duplicate (1-093-056) was 6%, which is considered acceptable.
- The calculated RPD_{DUP} value for ACM on sample 1-EXXT-059 and its duplicate (1-EXT-060) was 0%, which is considered acceptable.
- The calculated RPD_{DUP} value for ACM on sample B-HW008-072 and its duplicate (B-HW008-073) was 8%, which is considered acceptable.
- The RPD_{DUP} value could not be calculated for ACM sample 2-013-079 and its duplicate (2-013-080) since the analyte concentration was less than the PQL.
- The calculated RPD_{DUP} value for ACM on sample 2-HW004-088 and its duplicate (2-HW004-089) was 7%, which is considered acceptable.
- The RPD_{DUP} value could not be calculated for ACM sample P-N-105 and its duplicate (P-N-106) since the analyte concentration was less than the PQL.
- The RPD_{DUP} value could not be calculated for ACM sample P-N-108 and its duplicate (P-N-109) since the analyte concentration was less than the PQL.
- The calculated RPD_{DUP} value for ACM on sample P-S-119 and its duplicate (P-S-120) was 67%, which is considered acceptable.
- The calculated RPD_{DUP} value for ACM on sample P-S-123 and its duplicate (P-S-124) was 7%, which is considered acceptable.
- The RPD_{DUP} value could not be calculated for ACM sample P-S-126 and its duplicate (P-S-127) since the analyte concentration was less than the PQL.
- The RPD_{DUP} value could not be calculated for ACM sample P-S-128 and its duplicate (P-S-129) since the analyte concentration was less than the PQL.

The iATL Quality Assurance Reports are included at the back of each analytical report in Appendix C.

8.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the investigation results, Tetra Tech formulated the following recommendations for the identified ACMs in our scope.

8.1 ASBESTOS-CONTAINING MATERIALS

ACMs were identified within the subject buildings. During demolition/renovation activities, ensure these materials are removed and disposed of in accordance with the requirements of the requirements of the *Alberta Asbestos Abatement Manual* (2011). Upon removal, identified ACM waste should be transported in accordance with the requirements of the *Transportation of Dangerous Goods Act*.

Insulating Pipe Wrap

Tetra Tech recommends that the identified ACMs be managed or removed and disposed of in accordance with the following requirements:

- Government of Alberta document *Alberta Asbestos Abatement Manual* specifically Section 5.4; procedures for high risk (Type 3) abatement activities for the removal of the asbestos-containing mudded insulation located on the pipe elbows. The safe work procedure could be reduced to moderate risk (Type 2) if glove bagging procedures as shown in Section 5.5.8 of the abatement manual are utilized for the asbestos-containing pipe elbows associated with the 2” and 4” diameter piping.

Drywall Joint Compound

Tetra Tech recommends that the identified ACMs be managed or removed and disposed of in accordance with the following requirements:

- Government of Alberta document *Alberta Asbestos Abatement Manual* specifically Section 5.3; procedures for moderate risk (Type 2) abatement activities with the erection of an enclosure for abatement of the asbestos-containing drywall joint compound. Tetra Tech recommends moderate risk safe work procedures with the erection of an enclosure based on the removal technique of rip and tear for drywall and associated asbestos-containing compound.

Transite Wall Board/ Floor Tiles/ HVAC Ducting Mastic and Transite Cement Piping

Tetra Tech recommends that the identified ACMs be managed or removed and disposed of in accordance with the following requirements:

- Government of Alberta document *Alberta Asbestos Abatement Manual* specifically Section 5.3; procedures for moderate risk (Type 2) abatement activities for abatement of the asbestos-containing transite wall board, 12”x12” black with white fleck vinyl floor tiles, 12”x12” greenish vinyl floor tiles, 12”x12” olive vinyl floor tiles, 12”x12” greenish with white vinyl floor tiles, HVAC ducting mastic (grey, tan, red, silver or brown in color) associated with the HVAC ducting and transite cement piping.

Vermiculite Wall Insulation (HAZMAT Shed)

Vermiculite wall insulation was visually identified within the interior walls of the HAZMAT shed. Tetra Tech recommends that the identified insulation be managed or removed and disposed of in accordance with the following requirements:

- Government of Alberta document *Alberta Asbestos Abatement Manual* specifically Section 5.4; procedures for high risk (Type 3) abatement activities for the removal of the asbestos-contaminated vermiculite wall insulation.

8.2 DEMOLITION AND TENDERING

Tetra Tech recommends that our final report not be used solely for the purposes of tendering the removal and disposal of hazardous building materials. Tetra Tech recommends that a technical abatement specification be prepared for the abatement of hazardous building materials and included within tender packages, prior to demolition and/or renovation of the subject buildings.

9.0 REFERENCES

Government of Canada, *Canada Labour Code* (1985) Part II – Occupational Health and Safety.

Government of Alberta, *Alberta Occupational Health and Safety Act, Code, and Regulations*, June 2009 (Third Edition).

Government of Alberta, *Alberta Asbestos Abatement Manual*, August 2011.

Government of Alberta, *Alberta Environmental Protection and Enhancement Act*.

Government of Canada, *Transportation of Dangerous Goods Act and Regulations* (1992).

National Institute of Occupational Safety and Health (NIOSH) *Manual of Analytical Methods* (NMAM) 9002-Polarized Microscopy (Issue 2, August 15, 1994).

Public Works Government Services Canada, *DP057, Asbestos Management*, December 3, 1997.

10.0 LIMITATIONS

The scope of this report is limited to the matters expressly covered and is intended solely for the client to whom it is addressed. Tetra Tech WEI Inc. makes no warranties, expressed or implied, including without limitation, as to the marketability of the site, or fitness for a particular use. The assessment was conducted using standard engineering and scientific judgment, principles and practices, within a practical scope and budget. It is partially based on the observations of the assessor during the site visit, in conjunction with archival information obtained from a number of sources, which are assumed to be correct. Except as provided, Tetra Tech WEI Inc. has made no independent investigations to verify the accuracy or completeness of the information obtained from secondary sources or personal interviews. Generally, the findings, conclusions, and recommendations are based on a limited amount of data (e.g., the number of sample points, and the number of samples submitted for laboratory analyses) interpolated between sampling points, and the actual conditions (e.g., the type, level, and extent of impacted media) on the property may vary from that described above. Any findings regarding site conditions different from those described above upon which this report is based will consequently change Tetra Tech WEI Inc. conclusions and recommendations.

APPENDIX A

TABLE

TABLE 2

Asbestos Laboratory Analytical Results
Asbestos-Containing Building Materials Survey: Northern Forestry Building
PWGSC/NRCAN
Edmonton, Alberta

Laboratory Sample Identification	Figure Sample Identification	Type	Condition	Location	% Asbestos
B-001-001	**001**	**Mudded pipe insulation at elbow**	**Good**	**B-001 - Storage room - 2" Ø pipe**	**40% Ch**
B-001-002	002	White paper wrap at elbow	N/A	B-001 - Storage room - 2" Ø pipe	ND
B-001-003	003	Concrete parging	N/A	B-001 - Storage room - interior wall	ND
B-SW001-004	004	Texture coat	N/A	SW001 - Eastern stairwell - interior stairwell wall	ND
B-SW001-005	**005**	**12"x12" black w/white fleck vinyl floor tile**	**Good**	**SW001 - Eastern stairwell**	**1.2% Ch**
B-002-006	006	Concrete parging	N/A	B-002 - Electrical room - interior wall	ND
B-003-007	007	12"x12" grey w/black fissure vinyl floor tile	N/A	B-003 - Storage room	ND
B-005-008	008	3'x2' white w/black fissure ceiling tile	N/A	B-005 - Conference room	ND
B-005-009	009	Paper insulation	N/A	B-005 - Conference room - HVAC ducting	ND
B-008-010	010	12"x12" olive w/white streak vinyl floor tile	N/A	B-008 - Publications Storage	0.75% Ch
B-008-011	**011**	**Drywall joint compound**	**Good**	**B-008 - Publications Storage - column**	**1.6% Ch**
B-008-012	012	3'x2' white stippled ceiling tile	N/A	B-008 - Publications Storage	ND
B-012-013	**013**	**Drywall joint compound**	**Good**	**B-012 - Janitorial room - interior wall**	**1.4% Ch**
B-012-014	**014**	**Drywall joint compound**	**Good**	**B-012 - Janitorial room - ceiling**	**1.5% Ch**
B-SW002-015	015	12"x12" olive w/white streak vinyl floor tile	N/A	SW002 - Northwest stairwell	0.5% Ch*
B-SW002-016	016	Texture coat	N/A	SW002 - Northwest stairwell - interior wall	0.5% Ch
B-SW002-017	017	Red fire stop putty	N/A	SW002 - Northwest stairwell - interior wall	0.5% Ch**
B-014-018	**018**	**Tan mastic**	**Good**	**B-014 - Walk in cooler - pipe penetration**	**10% Ch**
B-017-019	**019**	**Drywall joint compound**	**Moderate**	**B-017 - Storage room - ceiling**	**1.3% Ch**
B-018-020	**020**	**Drywall joint compound**	**Good**	**B-018 - Electrical room - column**	**1.9% Ch**
B-023-021	021	12"x12" green w/white vinyl floor tile	N/A	B-023 - Storage room	0.5% Ch
B-023-022	022	Mastic	N/A	B-023 - Storage room - baseboard coffer	0.5% Ch
B-025-023	**023**	**Drywall joint compound**	**Good**	**B-025 - Janitor room - wall**	**1.4% Ch**
B-031-024	**024**	**Drywall joint compound**	**Good**	**B-031 - Cafeteria - ceiling**	**1.2% Ch**

Notes:

Analytical exceedances shown in **Bold** (i.e. samples with asbestos ≥ 1%).
ND: No asbestos content detected in sample
%: Results given in percent of asbestos fibres detected
% Ch: Percentage of chrysotile asbestos analytically detected
B-000: Sample collected in the basement
M-000: Sample collected on main floor
2-000: Sample collected on second floor
3-000: Sample collected on third floor
P-N-000: Sample collected in north end of penthouse
P-S-000: Sample collected in south end of penthouse

* ACM detected within the mastic
**ACM associated with sample B-SW002-016
N/R: Sample P-S-117 not received or analyzed by the laboratory
Ø: Diameter

TABLE 2

Asbestos Laboratory Analytical Results
Asbestos-Containing Building Materials Survey: Northern Forestry Building
PWGSC/NRCAN
Edmonton, Alberta

Laboratory Sample Identification	Figure Sample Identification	Type	Condition	Location	% Asbestos
B-031B-025	025	Texture coat	N/A	B-031B - Cafeteria walk in cooler - ceiling	ND
B-033-026	**026**	**Drywall joint compound**	**Good**	**B-033 - Lunch room - perimeter wall**	**1.9% Ch**
B-049-027	027	Paper wrap	N/A	B-049 - Carpenter room - 12" Ø pipe	ND
B-051-028	028	12"x12" black w/white fleck vinyl floor tile	N/A	B-051 - Laboratory	0.5% Ch
B-054B-029	**029**	**Drywall joint compound**	**Poor**	**B-054B - Office - ceiling**	**1.7% Ch**
B-057-030	**030**	**Drywall joint compound**	**Good**	**B-057 - Telephone room - column**	**1.3% Ch**
B-HW001-031	031	Mudded insulation debris from pipe elbow	N/A	Hallway adjacent to cafeteria - top of ceiling tile	ND
B-HW001-032	032	Texture coat over spray	N/A	Hallway adjacent to cafeteria - interior wall	<0.25%Ch
B-HW001-033	**033**	**Mudded pipe insulation at elbow**	**Poor**	**Hallway adjacent to cafeteria - 2" Ø pipe**	**10% Ch**
B-HW002-034	**034**	**Grey HVAC mastic**	**Good**	**North eastern hallway**	**1.5% Ch**
B-HW002-035	035	3'x1' white stippled ceiling tiles	N/A	North eastern hallway	ND
B-HW002-036	036	Paper backing on fibreglass insulation	N/A	North eastern hallway	ND
B-HW002-037 (dup of -036)	037	Paper backing on fibreglass insulation (QA/QC)	N/A	North eastern hallway	ND
B-HW008-038	**038**	**Mudded pipe insulation at elbow**	**Good**	**Central hallway - 4" Ø pipe**	**10% Ch**
B-HW008-039 (dup of -038)	**039**	**Mudded pipe insulation at elbow (QA/QC)**	**Good**	**Central hallway - 4" Ø pipe**	**10% Ch**
B-HW008-040	**040**	**Mudded pipe insulation at elbow**	**Good**	**Central hallway - 4" Ø pipe**	**10% Ch**
B-HW008-041 (dup of -040)	**041**	**Mudded pipe insulation at elbow (QA/QC)**	**Good**	**Central hallway - 4" Ø pipe**	**10% Ch**
B-SC002-068	068	Red fire stop putty	N/A	B-SC002 - South service corridor	ND
B-SC003-069	069	White paper wrap	N/A	B-SC003 - Western service corridor - 12" Ø pipe	ND
B-SC003-070	070	Green paper wrap	N/A	B-SC003 - Western service corridor - 12" Ø pipe	ND
B-SC003-071	071	Mastic on HVAC foil wrap	N/A	B-SC003 - Western service corridor	ND
1-006-042	**042**	**Drywall joint compound**	**Good**	**1-006 - Cubicle space - perimeter wall**	**1.1% Ch**
1-007-043	**043**	**Drywall joint compound**	**Good**	**1-006 - Office space - interior wall**	**2.1% Ch**
1-009-044	044	Texture coat	N/A	1-009 - East wing Reception - column	ND

Notes:

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TABLE 2

Asbestos Laboratory Analytical Results
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PWGSC/NRCAN
Edmonton, Alberta

Laboratory Sample Identification	Figure Sample Identification	Type	Condition	Location	% Asbestos
1-018-045	045	Drywall joint compound	N/A	1-018 - Main lobby - column	ND
1-019-046	046	4'x2' white ceiling tiles	N/A	1-019 - Office	ND
1-020-047	047	5'x2' white pin holed ceiling tiles	N/A	1-020 - Office	ND
1-032-048	**048**	**Drywall joint compound**	**Good**	**1-032 - Office - perimeter wall**	**1.6% Ch**
1-045-049	**049**	**Drywall joint compound**	**Good**	**1-045 - Janitors room - interior wall**	**1.4% Ch**
1-055-050	**050**	**Drywall joint compound**	**Good**	**1-055 - Office - perimeter wall**	**1.5% Ch**
1-060-051	**051**	**12"x12" greenish vinyl floor tile**	**Good**	**1-060 - Office**	**1.1% Ch**
1-060-052	052	4'x2' white pattern ceiling tile	N/A	1-060 - Office	ND
1-067-053	053	Wall insulation	N/A	1-067 - Computer room	ND
1-HW003-054	**054**	**Mudded pipe insulation**	**Good**	**Southeast hallway - 4" Ø pipe**	**10% Ch**
1-093-055	**055**	**Drywall joint compound**	**Good**	**1-093 - Janitors room - column**	**1.6% Ch**
1-093-056 (dup of -055)	**056**	**Drywall joint compound (QA/QC)**	**Good**	**1-093 - Janitors room - column**	**1.5% Ch**
1-099-057	**057**	**Drywall joint compound**	**Good**	**1-099 - Office - perimeter wall**	**1.3% Ch**
1-EXT-058	058	Grey caulking	N/A	Exterior wall adjacent to greenhouses	ND
1-EXT-059	**059**	**Light grey caulking**	**Good**	**Exterior wall adjacent to greenhouses**	**1.2% Ch**
1-EXT-060 (dup of -059)	**060**	**Light grey caulking (QA/QC)**	**Good**	**Exterior wall adjacent to greenhouses**	**1.2% Ch**
1-102-061	061	Paper wrap on AHU ducting	N/A	Boiler room - AHU (west end)	ND
1-102-062	**062**	**Mudded insulation behind paper wrap**	**Poor**	**Boiler room - AHU (west end)**	**20% Ch**
1-102-063	**063**	**Mudded insulation behind paper wrap**	**Poor**	**Boiler room - AHU (north end)**	**40% Ch**
1-102-064	064	Paper wrap	N/A	Boiler room - AHU (north end)	ND
1-104-065	**065**	**Mudded insulation**	**Good**	**1-104 - Laboratory - 12" Ø pipe**	**50% Ch**
1-104-066	**066**	**Mudded insulation**	**Good**	**1-104 - Laboratory - 2" Ø pipe**	**50% Ch**
1-104-067	067	Paper wrap	N/A	1-104 - Laboratory - HVAC ducting	ND
1-HW008-072	**072**	**Brown mastic**	**Good**	**Main floor - Northwest entrance - around door frames**	**1.2% Ch**

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TABLE 2

Asbestos Laboratory Analytical Results
Asbestos-Containing Building Materials Survey: Northern Forestry Building
PWGSC/NRCAN
Edmonton, Alberta

Laboratory Sample Identification	Figure Sample Identification	Type	Condition	Location	% Asbestos
1-HW008-073 (dup of -072)	**073**	**Brown mastic (QA/QC)**	**Good**	**Main floor - Northwest entrance - around door frames**	**1.3% Ch**
1-HW008-074	074	Concrete parging	N/A	Main floor - Northwest entrance - above door	ND
1-SC001-075	**075**	**Silver mastic**	**Good**	**Main floor - Service corridor (south) - 16" Ø pipe**	**2.7% Ch**
2-002-076	076	2'x5' white w/black stipple ceiling tile	N/A	2-002 - Office	ND
2-007-077	**077**	**Drywall joint compound**	**Good**	**2-007 - Janitors room - interior wall**	**1.5% Ch**
2-013-078	**078**	**Drywall joint compound**	**Good**	**2-013 - Library - bulkhead**	**1.7% Ch**
2-013-079	079	Drywall joint compound	N/A	2-013 - Library - column	ND
2-013-080 (dup of -079)	080	Drywall joint compound (QA/QC)	N/A	2-013 - Library - column	ND
2-014-081	**081**	**Drywall joint compound**	**Good**	**2-014 - Office - perimeter wall**	**1.8% Ch**
2-SW002-082	**082**	**12"x12" olive vinyl floor tile**	**Good**	**2nd floor - Southwestern stairwell**	**1.2% Ch**
2-SW002-083	083	Texture coat	N/A	2nd floor - Southwestern stairwell - ceiling	ND
2-024-084	**084**	**Drywall joint compound**	**Good**	**2-024 - Janitors closet - interior wall**	**2.1% Ch**
2-047-085	**085**	**Mudded pipe insulation**	**Good**	**2-047 - Laboratory - 2" Ø pipe**	**60% Ch**
2-HW001-086	**086**	**Mudded pipe insulation**	**Good**	**2nd floor - Northeastern hallway - 2" Ø pipe**	**15% Ch**
2-HW001-087	087	Texture coat overspray	N/A	2nd floor - Northeastern hallway	ND
2-HW004-088	**088**	**Grey mastic**	**Good**	**2nd floor - Southwestern hallway - HVAC ducting**	**2.9% Ch**
2-HW004-089 (dup of -088)	**089**	**Grey mastic (QA/QC)**	**Good**	**2nd floor - Southwestern hallway - HVAC ducting**	**3.1% Ch**
2-HW004-090	**090**	**Red mastic**	**Good**	**2nd floor - Southwestern hallway - HVAC ducting**	**2% Ch**
2-HW005-091	**091**	**Mudded pipe insulation**	**Good**	**2nd floor - South hallway - 2" Ø pipe**	**15% Ch**
3-007-092	**092**	**Drywall joint compound**	**Good**	**3-007 - Janitors room - interior wall**	**1.7% Ch**
3-011-093	**093**	**Drywall joint compound**	**Good**	**3-011 - Office - perimeter wall**	**1.6% Ch**
3-015-094	094	2'x5' white w/black pin hole ceiling tile	N/A	3-015 - Office	ND
3-022-095	**095**	**Drywall joint compound**	**Good**	**3-022 - Office - perimeter wall**	**1.7% Ch**
3-026-096	**096**	**Drywall joint compound**	**Good**	**3-026 - Janitors room - interior wall**	**1.8% Ch**

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TABLE 2

Asbestos Laboratory Analytical Results
Asbestos-Containing Building Materials Survey: Northern Forestry Building
PWGSC/NRCAN
Edmonton, Alberta

Laboratory Sample Identification	Figure Sample Identification	Type	Condition	Location	% Asbestos
3-042-097	**097**	**12"x12" greenish w/white vinyl floor tile**	**Good**	**3-042 - Laboratory**	**1.2% Ch**
3-049A-098	098	Texture coat	N/A	3-049A - Drying room off Laboratory - ceiling	ND
3-055-099	099	Drywall joint compound	N/A	3-055 - Mezzanine - Fire testing room	ND
3-HW001-100	**100**	**Mudded pipe insulation**	**Good**	**3rd floor - Northeastern hallway - 2" Ø pipe**	**10% Ch**
3-HW007-101	**101**	**Mudded pipe insulation**	**Good**	**Central hallway - 2" Ø pipe**	**10% Ch**
3-073-102	**102**	**Drywall joint compound**	**Good**	**3-073 - Janitors room column**	**1.6% Ch**
P-N-103	103	White paper wrap	N/A	Penthouse - North end - Holding tank	ND
P-N-104	104	Grey flexi-joint fabric	N/A	Penthouse - North end - Flue pipe	ND
P-N-105	105	Red mastic	N/A	Penthouse - North end - Flue pipe	ND
P-N-106 (dup of -105)	106	Red mastic (QA/QC)	N/A	Penthouse - North end - Flue pipe	ND
P-N-107	107	Dark red mastic	N/A	Penthouse - North end - Pipe F21	ND
P-N-108	108	Grey blown insulation	N/A	Penthouse - North end - Perimeter wall	ND
P-N-109 (dup of -108)	109	Grey blown insulation (QA/QC)	N/A	Penthouse - North end - Perimeter wall	ND
P-N-110	**110**	**Transite cement board**	**Moderate**	**Penthouse - North end - Perimeter wall**	**25% Ch**
P-N-111	111	Beige mastic	N/A	Penthouse - North end - Pipe EF-44	ND
P-N-112	112	White paper wrap and insulation	N/A	Penthouse - North end - Pipe EF-45	ND
P-N-113	113	White paper wrap and insulation	N/A	Penthouse - North end - Pipe EF-45	ND
P-N-114	**114**	**White paper wrap and insulation**	**Moderate**	**Penthouse - North end - 24" Ø pipe**	**25% Ch**
P-N-115	115	White paper wrap	N/A	Penthouse - North end - 2" Ø pipe	ND
P-S-116	**116**	**Insulation**	**Good**	**Penthouse - South end - Glycol heat exchanger**	**40% Ch**
P-S-117	117	White paper wrap	N/A	Penthouse - South end - Glycol heat exchanger	N/R
P-S-118	**118**	**White paper wrap and insulation**	**Good**	**Penthouse - South end - AHU #2 cold deck**	**40% Ch**
P-S-119	**119**	**White paper wrap and insulation**	**Good**	**Penthouse - South end - AHU #2 hot deck**	**20% Ch**
P-S-120 (dup of -119)	**120**	**White paper wrap and insulation (QA/QC)**	**Good**	**Penthouse - South end - AHU #2 hot deck**	**10% Ch**

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TABLE 2

Asbestos Laboratory Analytical Results
Asbestos-Containing Building Materials Survey: Northern Forestry Building
PWGSC/NRCAN
Edmonton, Alberta

Laboratory Sample Identification	Figure Sample Identification	Type	Condition	Location	% Asbestos
P-S-121	121	White paper wrap and insulation	N/A	Penthouse - South end - AHU #1 cold deck (circular)	ND
P-S-122	**122**	**White paper wrap and insulation**	**Good**	**Penthouse - South end - AHU #1 cold deck (square)**	**40% Ch**
P-S-123	**123**	**Grey mastic**	**Good**	**Penthouse - South end - AHU #2 cold deck door**	**1.5% Ch**
P-S-124 (dup of -124)	**124**	**Grey mastic (QA/QC)**	**Good**	**Penthouse - South end - AHU #2 cold deck door**	**1.4% Ch**
P-S-125	**125**	**White paper wrap and insulation**	**Good**	**Penthouse - South end - AHU #2 cold deck (circular)**	**80% Ch**
P-S-126	126	Red fire stop putty	N/A	Penthouse - South end - Pipe penetration in wall	ND
P-S-127 (dup of -126)	127	Red fire stop putty (QA/QC)	N/A	Penthouse - South end - Pipe penetration in wall	ND
P-S-128	128	White paper wrap and insulation	N/A	Penthouse - South end - Exhaust fan #30	ND
P-S-129 (dup of -128)	129	White paper wrap and insulation (QA/QC)	N/A	Penthouse - South end - Exhaust fan #30	ND
P-S-130	**130**	**White paper wrap and insulation**	**Good**	**Penthouse - South end - Exhaust fan #49**	**15% Ch**

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APPENDIX B

PHOTOGRAPHS

SITE PHOTOGRAPHS

Photo 1: Forestry Building facing south.

Photo 2: Forestry Building facing north.

SITE PHOTOGRAPHS

Photo 3: Forestry Building facing west.

Photo 4: Forestry Building facing east.

SITE PHOTOGRAPHS

Photo 5: HAZMAT shed located to the northwest of the Forestry Building.

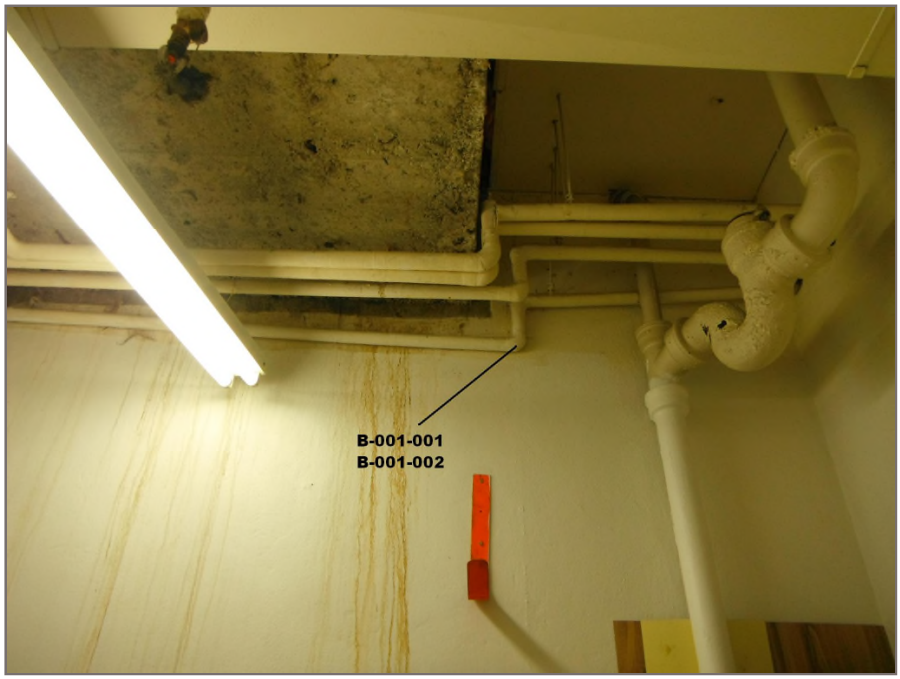


Photo 6: Asbestos-containing mudded pipe insulation applied to the 2” diameter pipe elbow in the basement storage room. Tetra Tech sample B-001-001.

SITE PHOTOGRAPHS

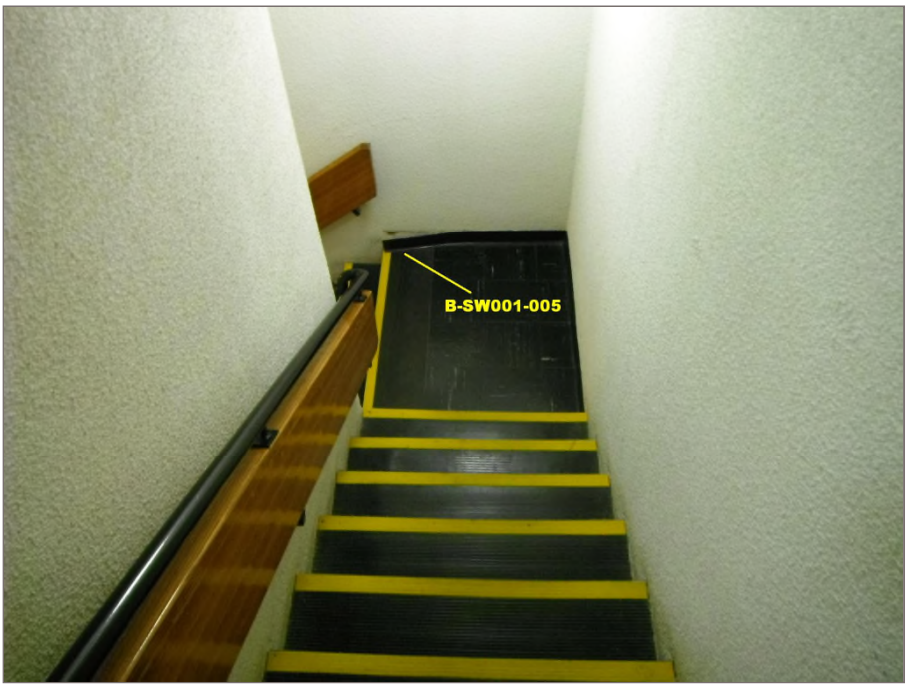


Photo 7: Asbestos-containing 12”x12” black with white fleck vinyl floor tile in eastern stairwell. Tetra Tech sample B-SW001-005.

Photo 8: Publications room where asbestos-containing drywall joint compound is applied to the columns. Tetra Tech sample B-008-011.

Photo 9: Asbestos-containing drywall joint compound applied to the walls and ceiling of the janitorial room within the basement. Tetra Tech sample B-012-013/014.

Photo 10: Asbestos-containing tan putty applied to the pipe penetration of the walk-in cooler within the basement. Tetra Tech sample B-014-018.

Photo 11: Asbestos-containing drywall joint compound associated with the ceiling of the basement storage room. Tetra Tech sample B-017-019.

Photo 12: Asbestos-containing drywall joint compound associated with the column in the basement electrical room. Tetra Tech sample B-018-020.

Photo 13: Asbestos-containing drywall joint compound applied to the interior wall of the basement janitor room. Tetra Tech sample B-025-023.

Photo 14: Asbestos-containing drywall joint compound applied to the ceiling of the cafeteria within the basement. Tetra Tech sample B-031-024.

Photo 15: Asbestos-containing drywall joint compound applied to the perimeter wall of the lunch room within the basement. Tetra Tech sample B-033-026.

Photo 16: Asbestos-containing drywall joint compound applied to the ceiling of the office space within the basement. Tetra Tech sample B-054B-029.

Photo 17: Asbestos-containing drywall joint compound applied to the column of the telephone room within the basement. Tetra Tech sample B-057-030.

Photo 18: Asbestos-containing mudded pipe insulation applied to the elbow of a 2" diameter pipe within the basement hallway. Tetra Tech sample B-HW001-033.

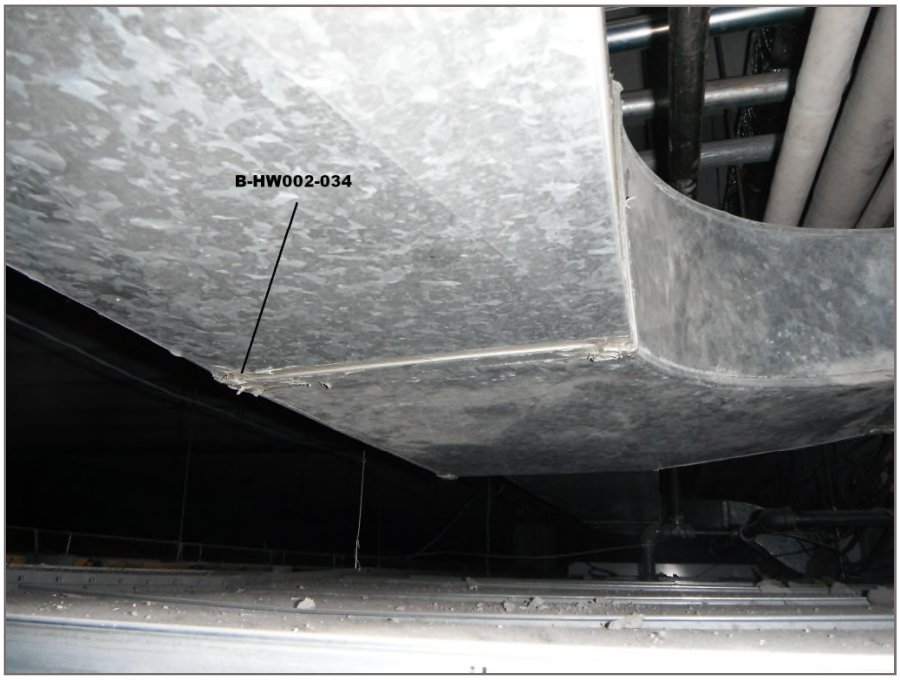


Photo 19: Asbestos-containing grey mastic applied to the HVAC ducting within the basement hallway ceiling space. Tetra Tech sample B-HW002-034.

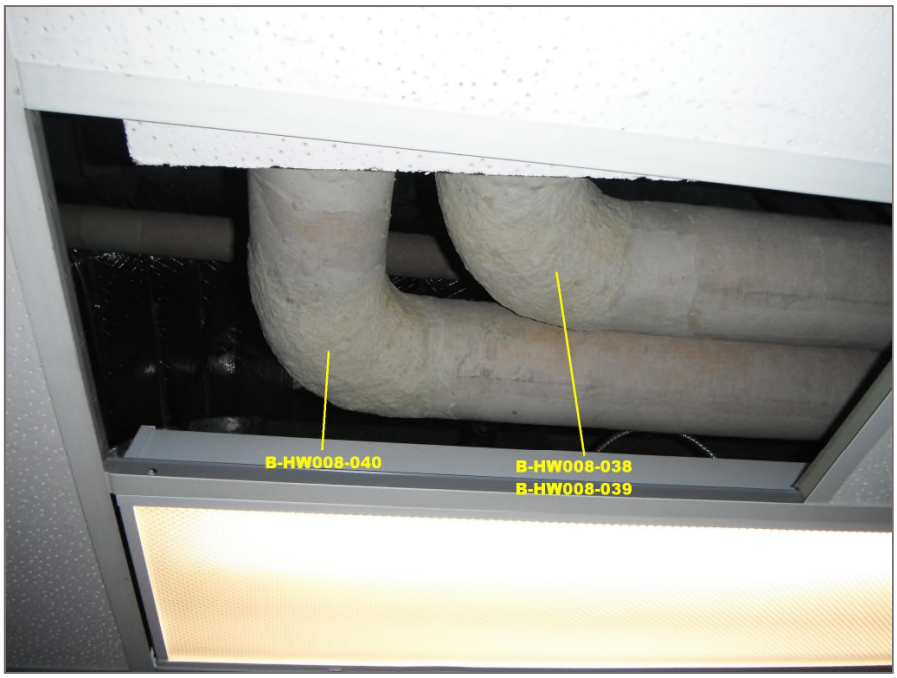


Photo 20: Asbestos-containing mudded pipe insulation applied to the elbow of a 4” diameter pipe within the basement hallway ceiling space. Tetra Tech sample B-HW008-038/-040.

Photo 21: Asbestos-containing drywall joint compound applied to the perimeter wall of a cubicle space in the east wing. Tetra Tech sample 1-006-042.

Photo 22: Asbestos-containing drywall joint compound associated with the interior wall of an office space in the east wing. Tetra Tech sample 1-007-043.

Photo 23: Asbestos-containing drywall joint compound associated with the perimeter wall of a first floor office. Tetra Tech sample 1-032-048.

Photo 24: Asbestos-containing drywall joint compound applied to the wall of the first floor janitorial room. Tetra Tech sample 1-045-049.

Photo 25: Asbestos-containing drywall joint compound associated with the perimeter wall of a first floor office. Tetra Tech sample 1-055-050.

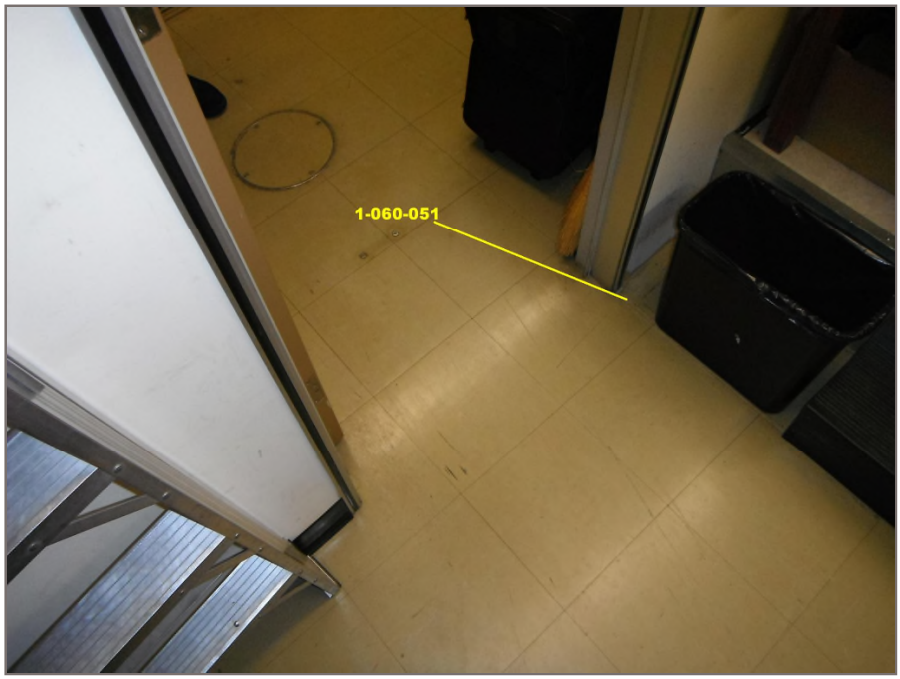


Photo 26: Asbestos-containing 12”x12” greenish vinyl floor tiles within a first floor office. Tetra Tech sample 1-060-051.

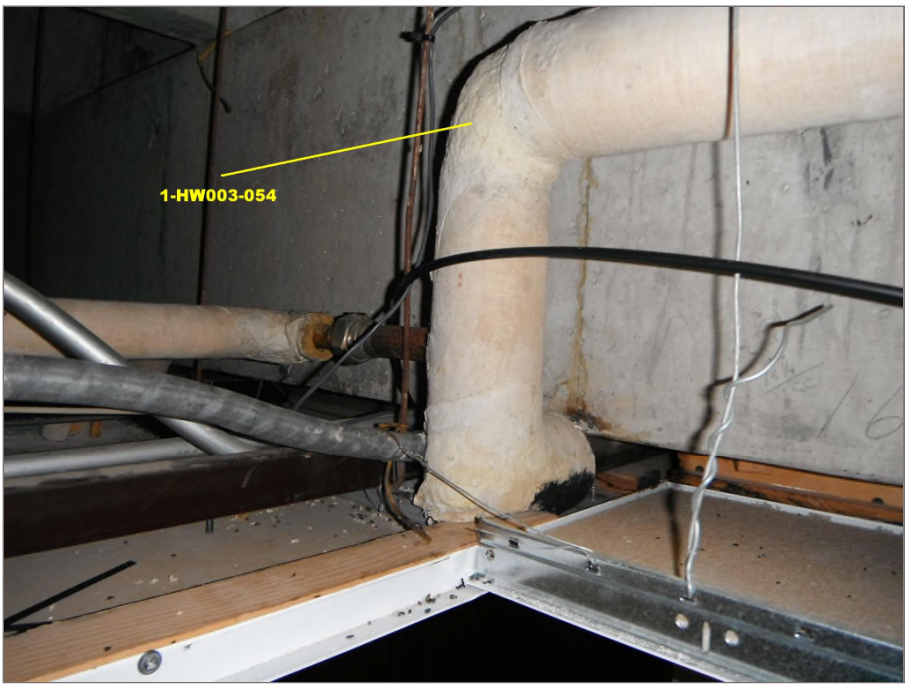


Photo 27: Asbestos-containing mudded insulation applied to the elbow of a 4” diameter pipe within the ceiling space of the first floor hallway. Tetra Tech sample 1-HW003-054.

Photo 28: Asbestos-containing drywall joint compound associated with the walls of a janitorial room on the first floor. Tetra Tech sample 1-093-055.

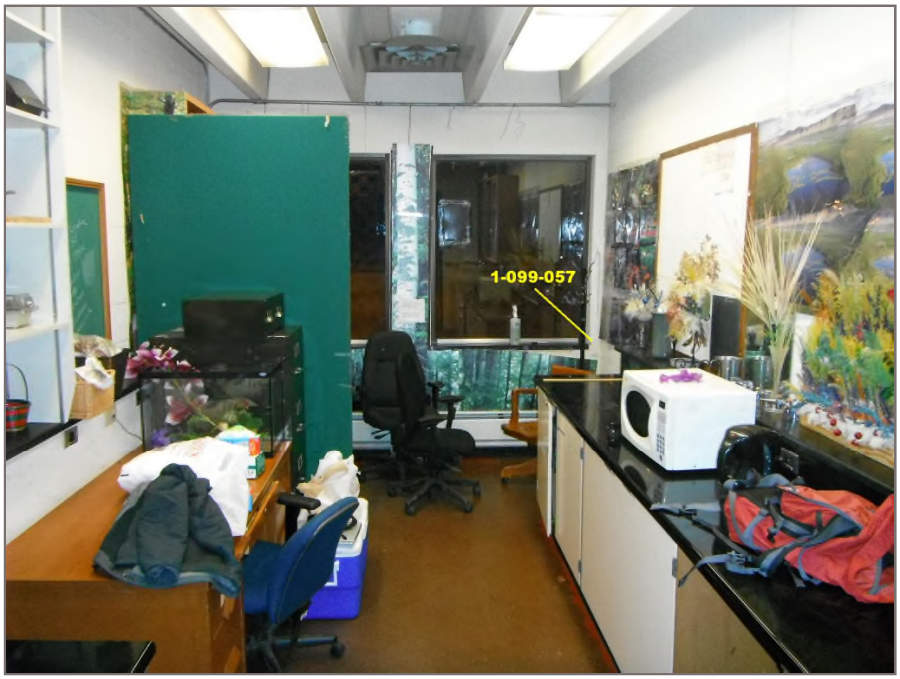


Photo 29: Asbestos-containing drywall joint compound associated with the perimeter wall of an office on the first floor. Tetra Tech sample 1-099-057.

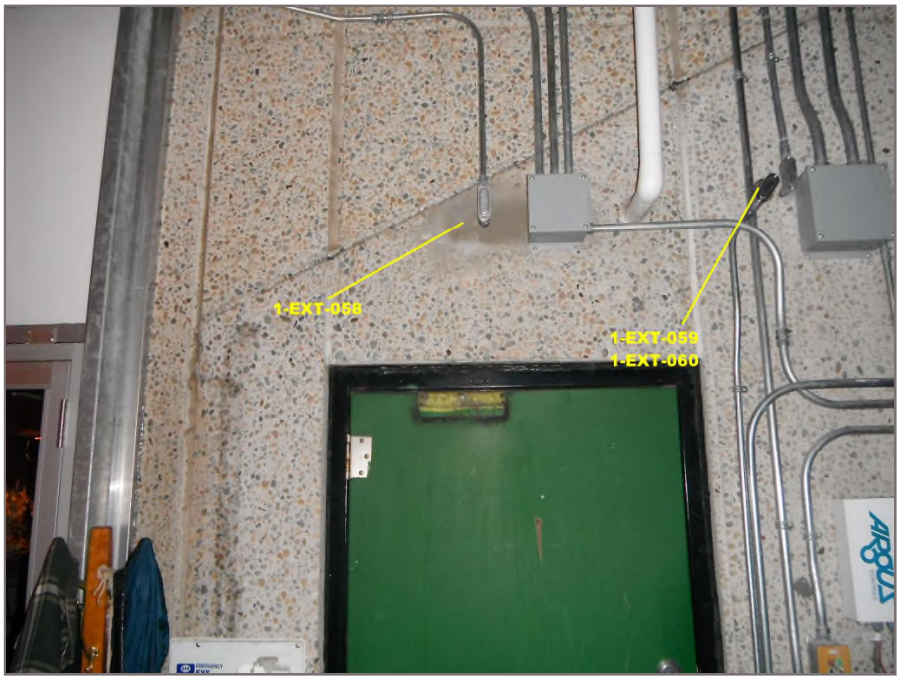


Photo 30: Asbestos-containing light grey caulking applied to the exterior expansion joints of the pre-cast walls. Tetra Tech sample 1-EXT-059.

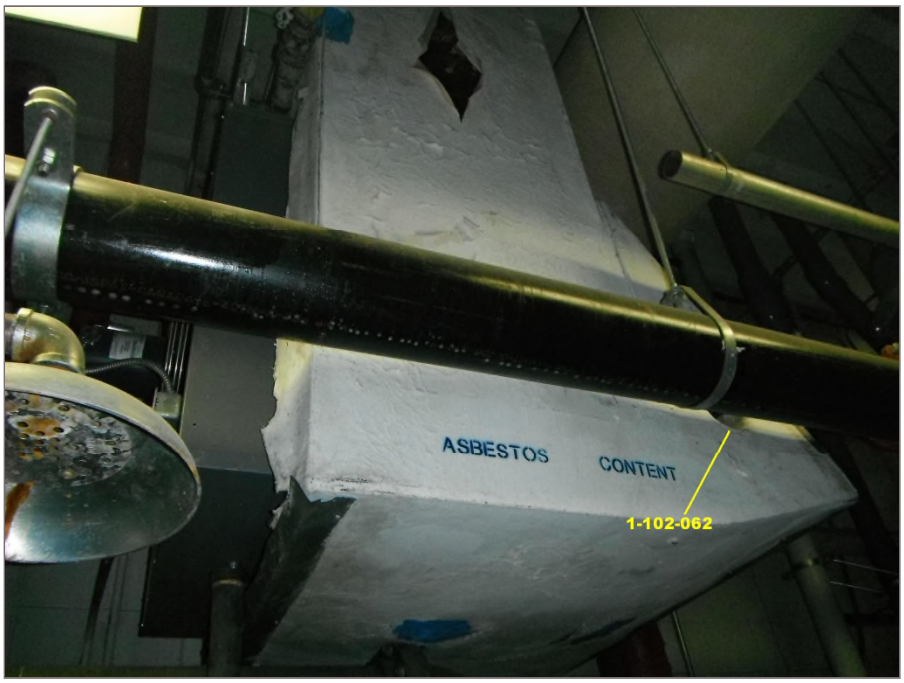


Photo 31: Asbestos-containing mudded insulation applied to the air handling unit located at the west end of the boiler room. Tetra Tech sample 1-102-062.

Photo 32: Asbestos-containing mudded insulation applied to the air handling unit located at the north end of the boiler room. Tetra Tech sample 1-102-063.

Photo 33: Asbestos-containing mudded insulation applied to the 6” diameter pipe elbow within the laboratory. Tetra Tech sample 1-104-065.

Photo 34: Asbestos-containing mudded insulation applied to the 2” diameter pipe elbow within the laboratory. Tetra Tech sample 1-104-066.

Photo 35: Asbestos-containing brown mastic applied to the door frame of the northwest entrance. Tetra Tech sample 1-HW008-072.

Photo 36: Asbestos-containing silver mastic applied to the 16” diameter pipe within the south service corridor of the first floor. Tetra Tech sample 1-SC001-075.

Photo 37: Asbestos-containing drywall joint compound applied to the interior wall of the second floor janitorial room. Tetra Tech sample 2-007-077.

Photo 38: Asbestos-containing drywall joint compound applied to the bulkhead of the second floor library. Tetra Tech sample 2-013-078.

Photo 39: Asbestos-containing drywall joint compound applied to the interior wall of a second floor office. Tetra Tech sample 2-014-081.

Photo 40: Asbestos-containing 12”x12” olive vinyl floor tiles within the southwestern stairwell. Tetra Tech sample 2-SW002-082.

Photo 41: Asbestos-containing drywall joint compound applied to the interior wall of the second floor janitorial room. Tetra Tech sample 2-024-084.

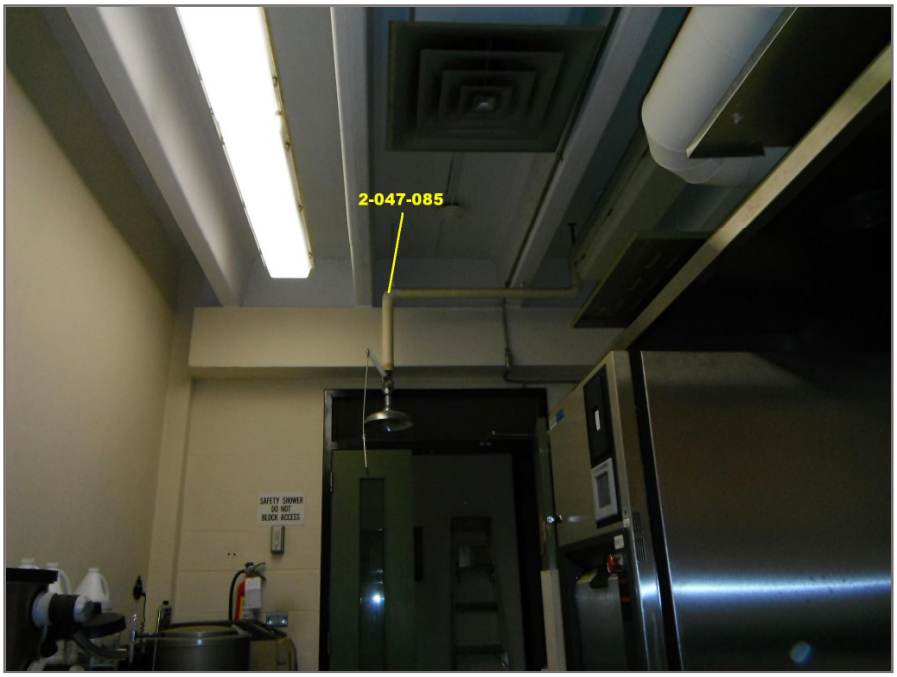


Photo 42: Asbestos-containing mudded insulation applied to the 2” diameter pipe elbow within the second floor laboratory. Tetra Tech sample 2-047-085.

Photo 43: Asbestos-containing mudded insulation applied to the 2” diameter pipe elbow within the northeastern hallway of the second floor. Tetra Tech sample 2-HW001-086.

Photo 44: Asbestos-containing grey mastic applied to the square HVAC ducting within the southwestern hallway of the second floor. Tetra Tech sample 2-HW004-088.

Photo 45: Asbestos-containing red mastic applied to the square HVAC ducting within the southwestern hallway of the second floor. Tetra Tech sample 2-HW004-090.

Photo 46: Asbestos-containing mudded insulation applied to the 2” diameter pipe elbow within the south hallway perimeter wall. Tetra Tech sample 2-HW005-091.

Photo 47: Asbestos-containing drywall joint compound applied to the interior wall of the janitorial room on the third floor. Tetra Tech sample 3-007-092.

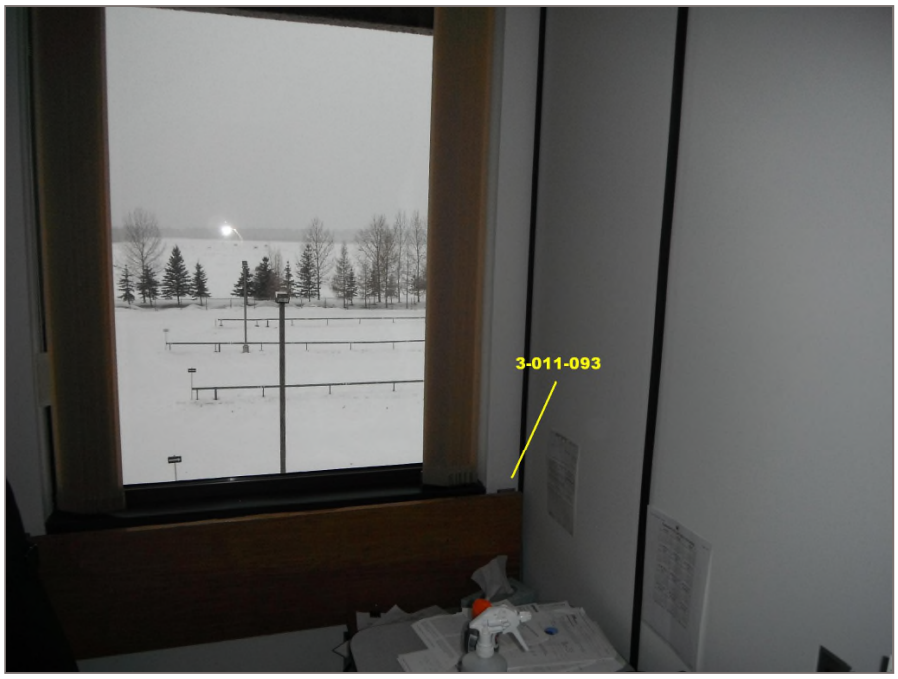


Photo 48: Asbestos-containing drywall joint compound applied to the office perimeter wall on the second floor. Tetra Tech sample 3-011-093.

Photo 49: Asbestos-containing drywall joint compound applied to the office perimeter wall on the third floor. Tetra Tech sample 3-022-095.

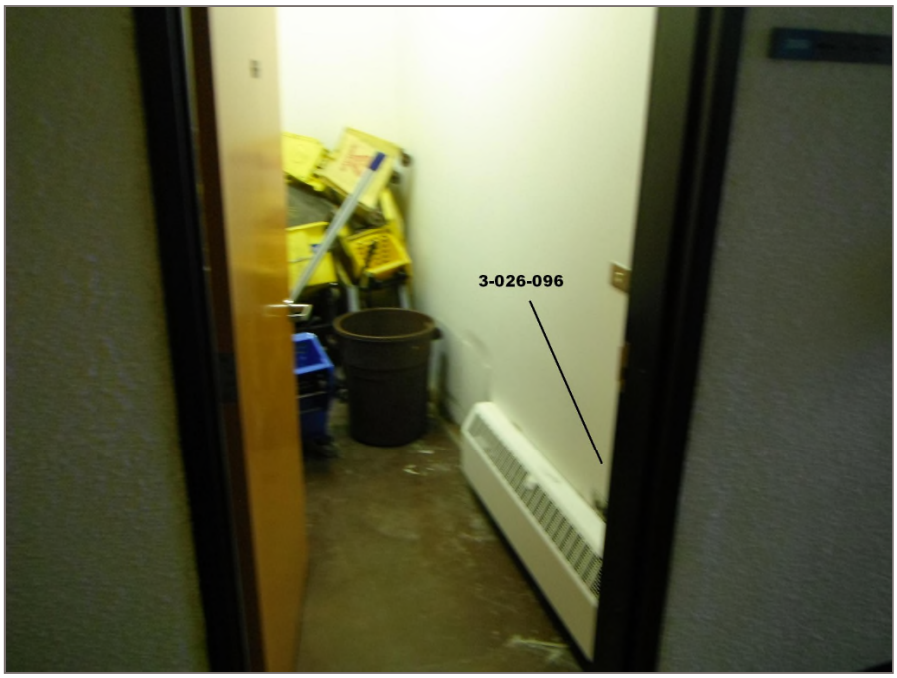


Photo 50: Asbestos-containing drywall joint compound applied to the interior wall of the janitorial room on the third floor. Tetra Tech sample 3-026-096.

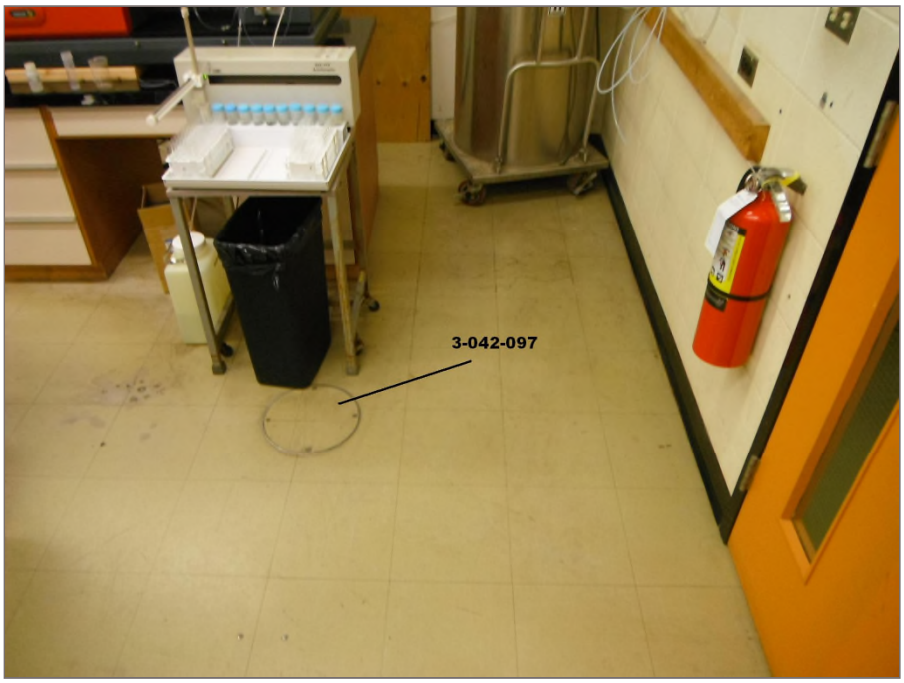


Photo 51: Asbestos-containing 12”x12” greenish with white vinyl floor tiles within a third floor laboratory. Tetra Tech sample 3-042-097.

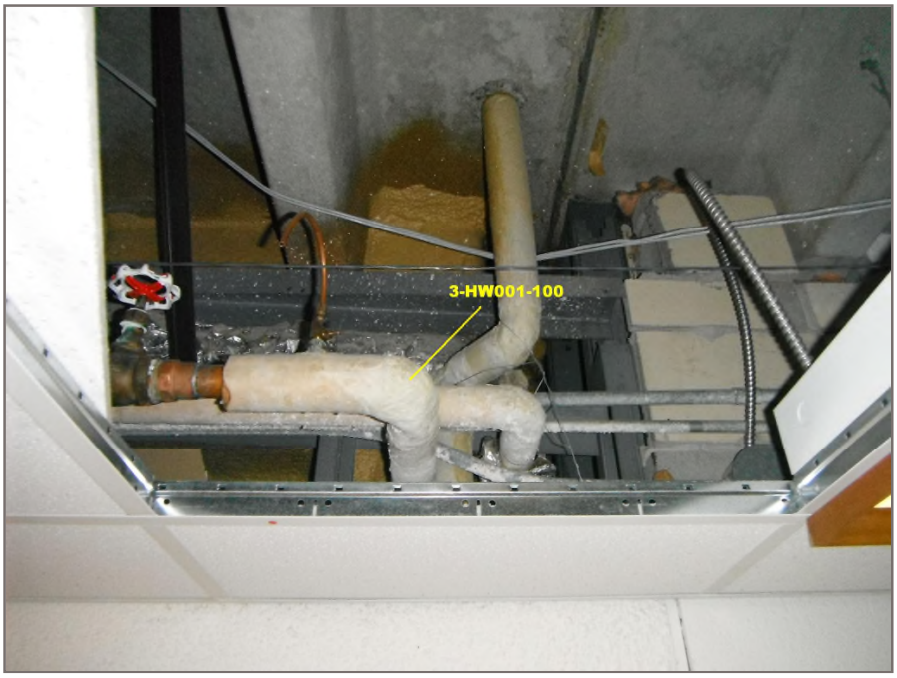


Photo 52: Asbestos-containing mudded insulation applied to the 2” diameter pipe elbow within the third floor northeastern hallway ceiling space. Tetra Tech sample 3-HW001-100.

Photo 53: Asbestos-containing mudded insulation applied to the 2” diameter pipe elbow within the third floor central hallway ceiling space. Tetra Tech sample 3-HW007-101.

Photo 54: Asbestos-containing drywall joint compound applied to the interior column of the third floor janitorial room. Tetra Tech sample 3-073-102.

Photo 55: Asbestos-containing transite cement board applied to the perimeter walls of the penthouse. Tetra Tech sample P-N-110.

Photo 56: Asbestos-containing mudded mechanical insulation applied to the 24" diameter pipe within the penthouse. Tetra Tech sample P-N-114.

Photo 57: Asbestos-containing mudded mechanical insulation applied to the glycol heat exchanger within the penthouse. Tetra Tech sample P-S-116.

Photo 58: Asbestos-containing mudded mechanical insulation applied to the AHU #2 cold and hot decks within the penthouse. Tetra Tech sample P-S-118.

Photo 59: Asbestos-containing grey mastic applied to the metal ducting around the door of the AHU #2 cold deck within the penthouse. Tetra Tech sample P-S-123.

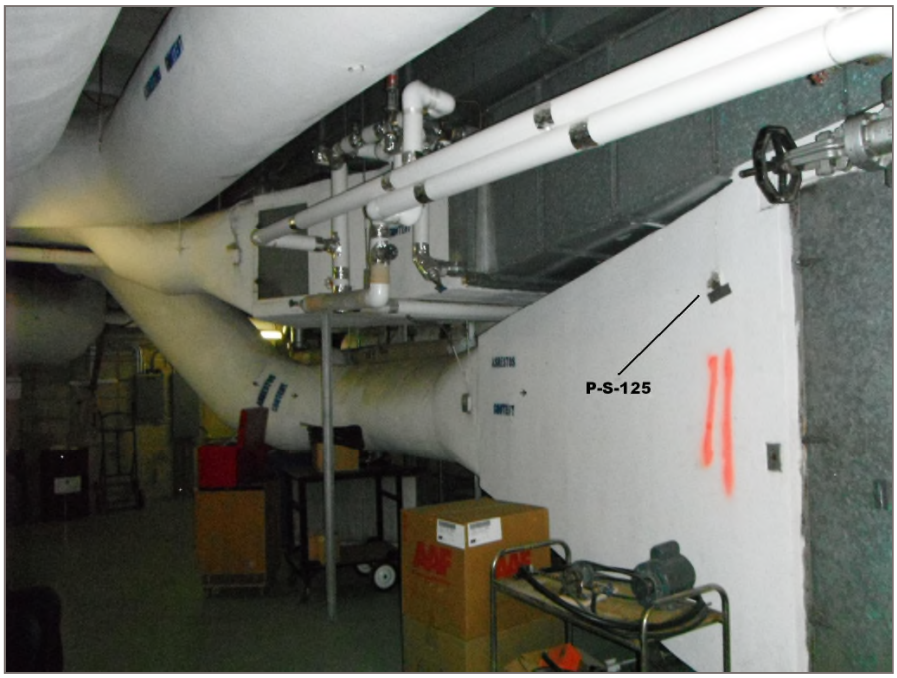


Photo 60: Asbestos-containing mudded mechanical insulation applied to the AHU #2 cold deck within the penthouse. Tetra Tech sample P-S-125.

Photo 61: Asbestos-containing mudded mechanical insulation applied to exhaust fan #49 within the south end of the penthouse adjacent to the exit door. Tetra Tech sample P-S-130.

Photo 62: Asbestos-containing transite cement board used as a fire stop at penetrations where fume hood piping was historically present.

Photo 63: Asbestos-containing transite cement wall board present within a fume hood.

Photo 64: Asbestos-containing transite cement pipe present within the Penthouse.

Photo 65: Vermiculite insulation present on the floor of the HAZMAT shed storage room.

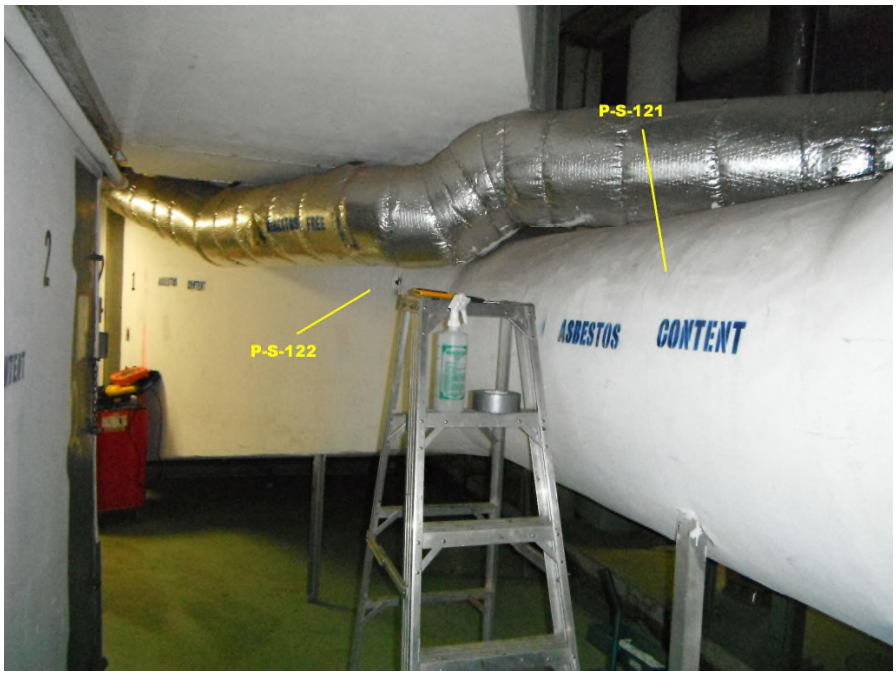


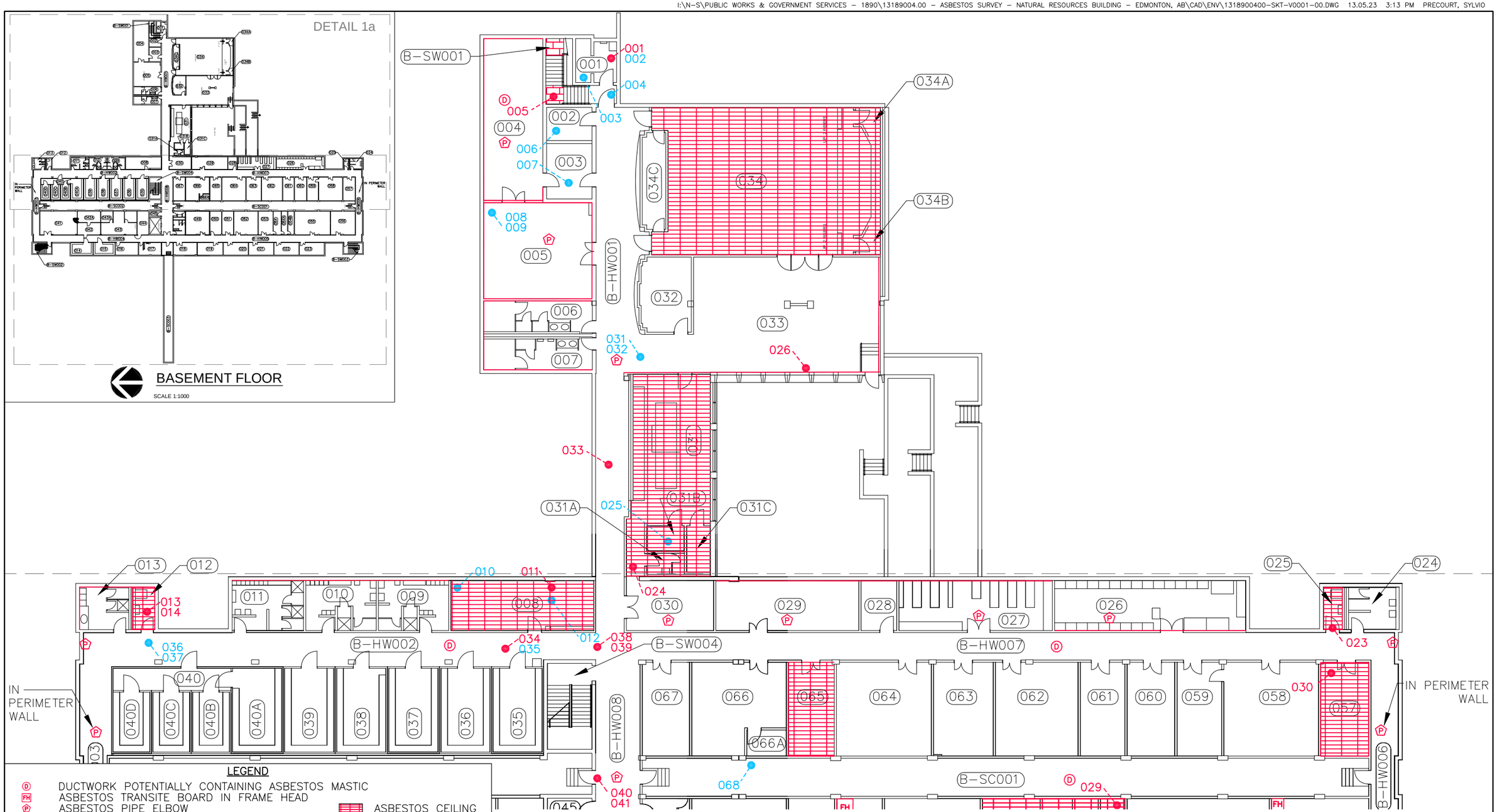
Photo 66: Asbestos-containing mudded mechanical insulation applied to the AHU #1 cold deck within the penthouse. Tetra Tech sample P-S-122.

APPENDIX C

FIGURES

BASEMENT FLOOR

SCALE 1:1000



BASEMENT FLOOR (DETAIL 1a)

SCALE 1:250

LEGEND

- D — DUCTWORK POTENTIALLY CONTAINING ASBESTOS MASTIC
- FH — ASBESTOS TRANSITE BOARD IN FRAME HEAD
- P — ASBESTOS PIPE ELBOW
- ASBESTOS SAMPLE – NON DETECTED
- ASBESTOS SAMPLE – DETECTED
- ASBESTOS WALL
- ASBESTOS CEILING
- ASBESTOS FLOOR
- B045 — ROOM NUMBER
- 03 — SAMPLE ID NUMBER

NO.	DATE	DESCRIPTION	PREPARED	REVIEW	DESIGN	AUTHORIZE
REVISIONS/ISSUE			DRAFTING		ENGINEERING	

TETRA TECH

AUTHORIZED BY: RB

DATE: 13/03/28

CLIENT DRAWING NO.

PROJ. No. 619251-X1 — NATURAL RESOURCES CANADA

NO. — DESCRIPTION

REFERENCE DRAWINGS

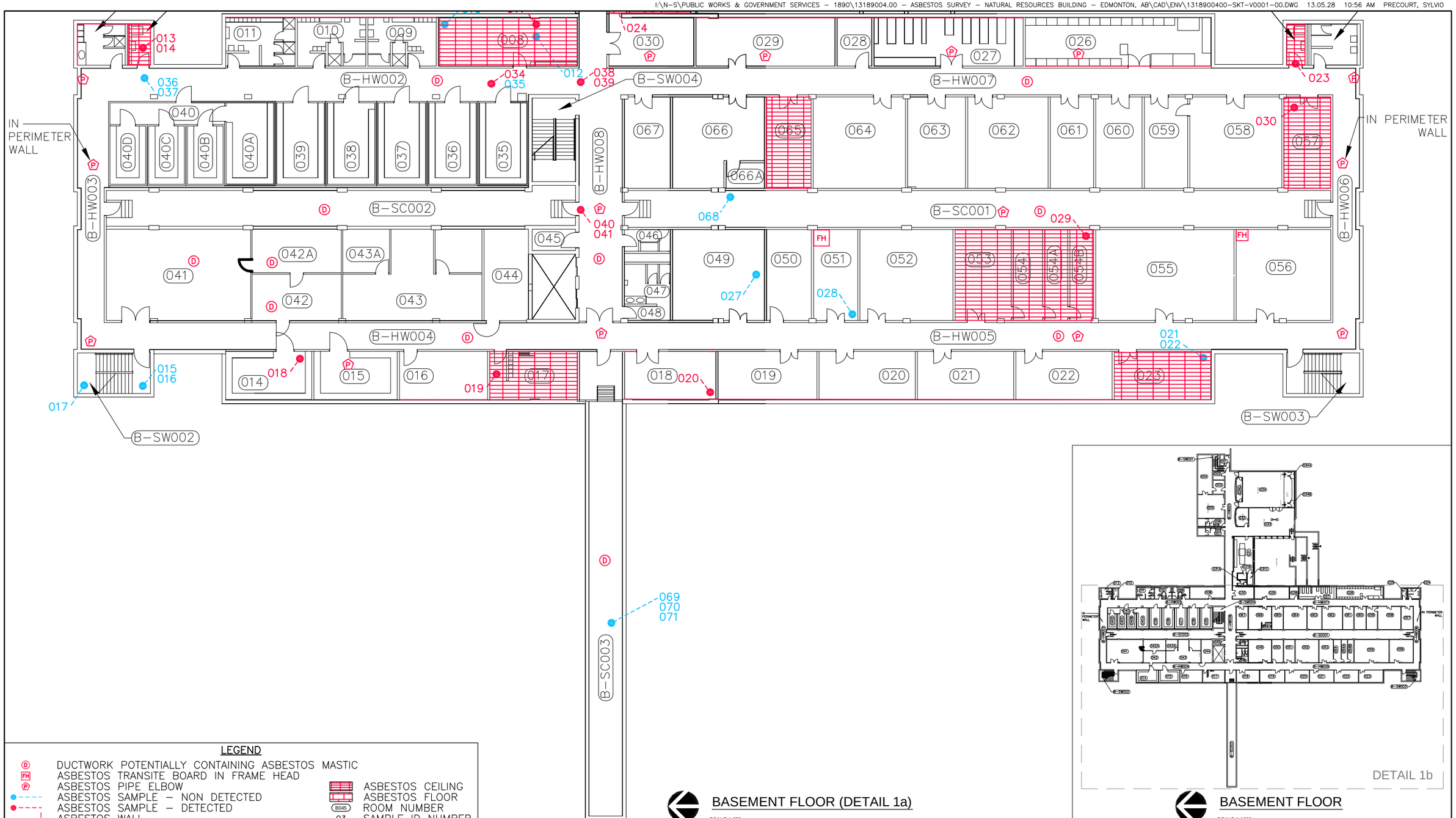
CLIENT: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

DRAWING DESCRIPTION: FIGURE 1a: SAMPLE AND ASBESTOS-CONTAINING MATERIALS LOCATIONS - BASEMENT NRCAN FORESTRY BLDG - EDMONTON, AB

DESIGNED BY: SP	DRAWN BY: SP	DRAWING NO.	REV.
REVIEWED BY: SD	SCALE: 1:250	1318900400-SKT-V0001	00

A3 (432 x 279)

I:\N-S\PUBLIC WORKS & GOVERNMENT SERVICES – 1890\13189004.00 – ASBESTOS SURVEY – NATURAL RESOURCES BUILDING – EDMONTON, AB\CAD\ENV\1318900400-SKT-V0001-00.DWG 13.05.28 10:56 AM PRECOURT, SYLVIO



BASEMENT FLOOR (DETAIL 1a)
SCALE 1:250

BASEMENT FLOOR
SCALE 1:1000

LEGEND

- DUCTWORK POTENTIALLY CONTAINING ASBESTOS MASTIC
- ASBESTOS TRANSITE BOARD IN FRAME HEAD
- ASBESTOS PIPE ELBOW
- ASBESTOS SAMPLE – NON DETECTED
- ASBESTOS SAMPLE – DETECTED
- ASBESTOS WALL
- ASBESTOS CEILING
- ASBESTOS FLOOR
- B045 ROOM NUMBER
- 03 SAMPLE ID NUMBER

NO.	DATE	DESCRIPTION	PREPARED	REVIEW	DESIGN	AUTHORIZE
REVISIONS/ISSUE			DRAFTING		ENGINEERING	

TETRA TECH

AUTHORIZED BY: RB
DATE: 13/03/28
CLIENT DRAWING NO.

CLIENT: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

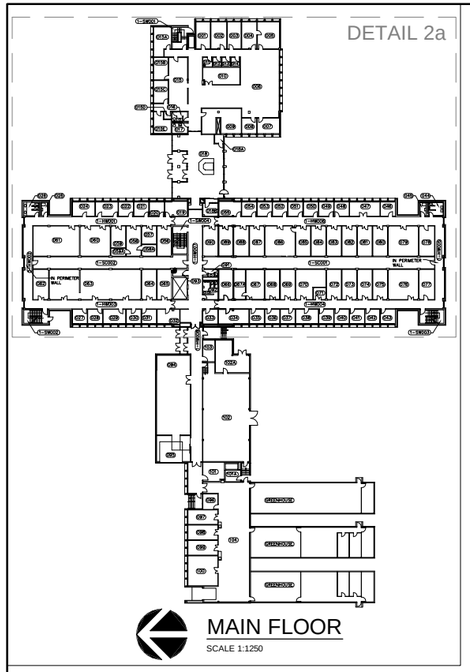
DRAWING DESCRIPTION: FIGURE 1b: SAMPLE AND ASBESTOS-CONTAINING MATERIALS LOCATIONS - BASEMENT NRCAN FORESTRY BLDG - EDMONTON, AB

DESIGNED BY: SP	DRAWN BY: SP	DRAWING NO.	REV.
REVIEWED BY: SD	SCALE: 1:250	1318900400-SKT-V0001	00

PROJ. No. 619251-X1 NATURAL RESOURCES CANADA

NO.	DESCRIPTION
REFERENCE DRAWINGS	

A3 (432 x 279)



LEGEND

- D — DUCTWORK POTENTIALLY CONTAINING ASBESTOS MASTIC
- FH — ASBESTOS TRANSITE BOARD IN FRAME HEAD
- P — ASBESTOS PIPE ELBOW
- ASBESTOS SAMPLE – NON DETECTED
- ASBESTOS SAMPLE – DETECTED
- ASBESTOS WALL
- ASBESTOS FLOOR
- B045 — ROOM NUMBER
- 03 — SAMPLE ID NUMBER

NO.	DATE	DESCRIPTION	PREPARED	REVIEW	DESIGN	AUTHORIZE
REVISIONS/ISSUE			DRAFTING		ENGINEERING	

PROJ. No. 619251-X1 — NATURAL RESOURCES CANADA

NO. — DESCRIPTION

REFERENCE DRAWINGS

TETRA TECH

AUTHORIZED BY: RB

DATE: 13/03/28

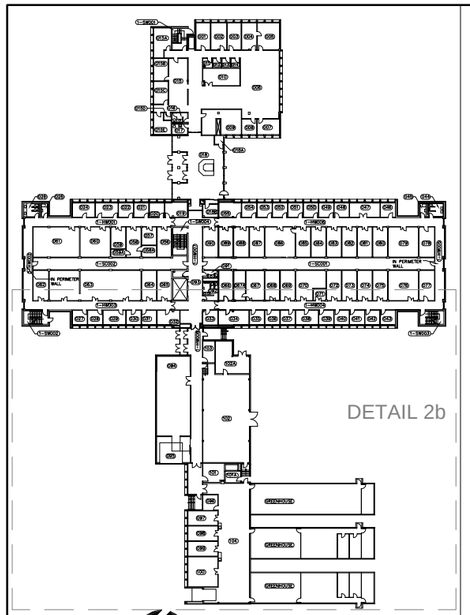
CLIENT DRAWING NO.

CLIENT: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

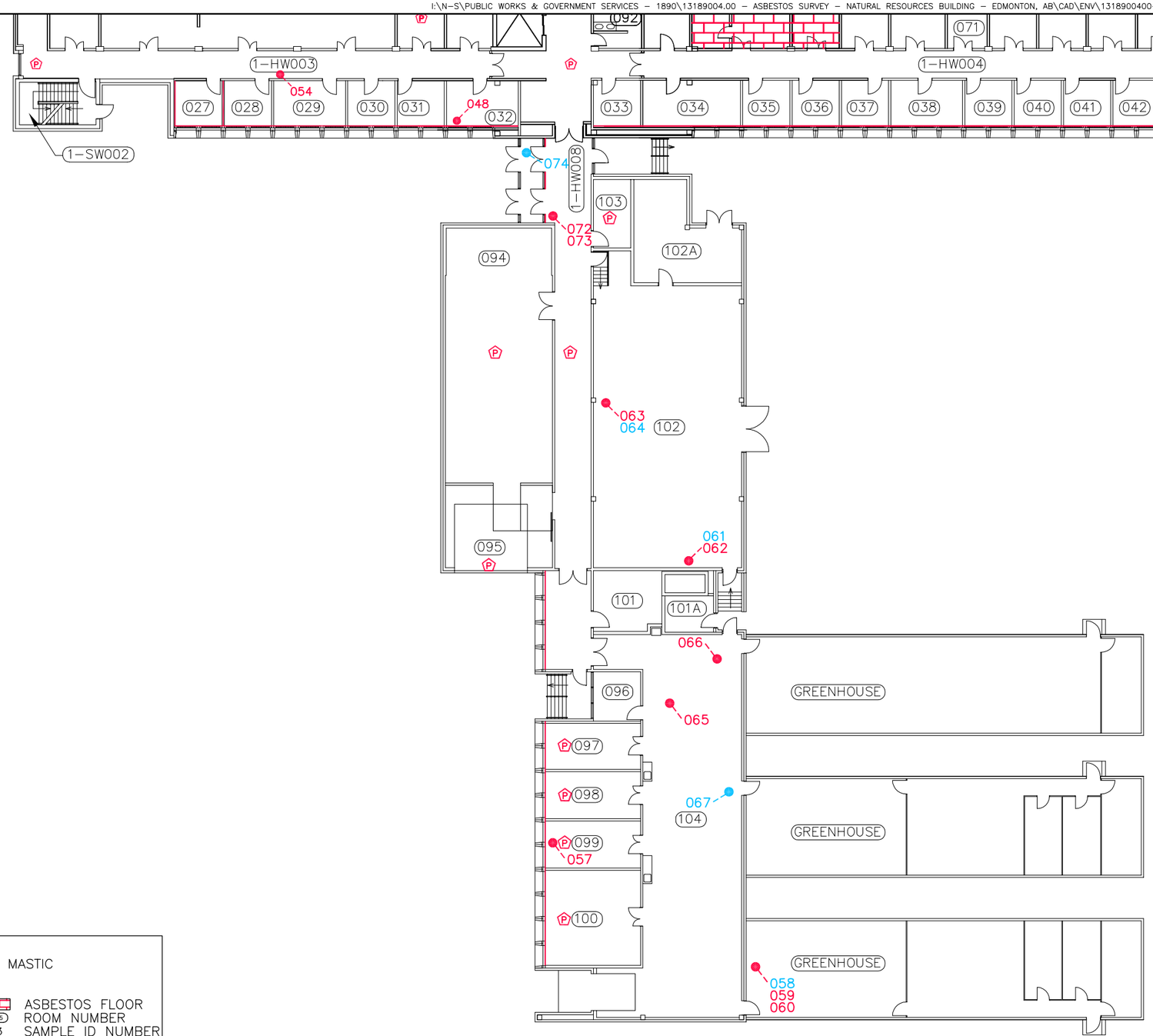
DRAWING DESCRIPTION: FIGURE 2a: SAMPLE AND ASBESTOS - CONTAINING MATERIALS LOCATIONS - MAIN FLOOR NRCAN FORESTRY BLDG - EDMONTON, AB

DESIGNED BY:	DRAWN BY:	DRAWING NO.	REV.
SP	SP	1318900400-SKT-V0002	00
REVIEWED BY: SD	SCALE: 1:300		

A3 (432 x 279)



MAIN FLOOR
SCALE 1:1250



MAIN FLOOR (DETAIL 2b)
SCALE 1:300

LEGEND

- D — DUCTWORK POTENTIALLY CONTAINING ASBESTOS MASTIC
- FH — ASBESTOS TRANSITE BOARD IN FRAME HEAD
- P — ASBESTOS PIPE ELBOW
- ASBESTOS SAMPLE – NON DETECTED
- ASBESTOS SAMPLE – DETECTED
- ASBESTOS WALL
- ASBESTOS FLOOR
- B045 — ROOM NUMBER
- 03 — SAMPLE ID NUMBER

NO.	DATE	DESCRIPTION

REVISIONS/ISSUE

PREPARED	REVIEW	DESIGN	AUTHORIZE
DRAFTING		ENGINEERING	

PROJ. No. 619251-X1 — NATURAL RESOURCES CANADA

NO.	DESCRIPTION
REFERENCE DRAWINGS	

TETRA TECH

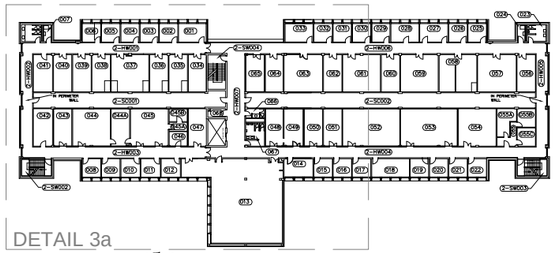
AUTHORIZED BY: RB
DATE: 13/03/28
CLIENT DRAWING NO.

CLIENT: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

DRAWING DESCRIPTION: FIGURE 2b: SAMPLE AND ASBESTOS - CONTAINING MATERIALS LOCATIONS - MAIN FLOOR NRCAN FORESTRY BLDG - EDMONTON, AB

DESIGNED BY:	DRAWN BY:	DRAWING NO.	REV.
SP	SP	1318900400-SKT-V0002	00
REVIEWED BY: SD	SCALE: 1:300		

A3 (432 x 279)



SECOND FLOOR
SCALE 1:1000

SECOND FLOOR (DETAIL 3a)
SCALE 1:200

LEGEND

- D — DUCTWORK POTENTIALLY CONTAINING ASBESTOS MASTIC
- FH — ASBESTOS TRANSITE BOARD IN FRAME HEAD
- P — ASBESTOS PIPE ELBOW
- ASBESTOS SAMPLE – NON DETECTED
- ASBESTOS SAMPLE – DETECTED
- ASBESTOS WALL
- ASBESTOS FLOOR
- B045 — ROOM NUMBER
- 03 — SAMPLE ID NUMBER

NO.	DESCRIPTION

REFERENCE DRAWINGS

NO.	DATE	DESCRIPTION	PREPARED	REVIEW	DESIGN	AUTHORIZE

REVISIONS/ISSUE — DRAFTING — ENGINEERING

TETRA TECH

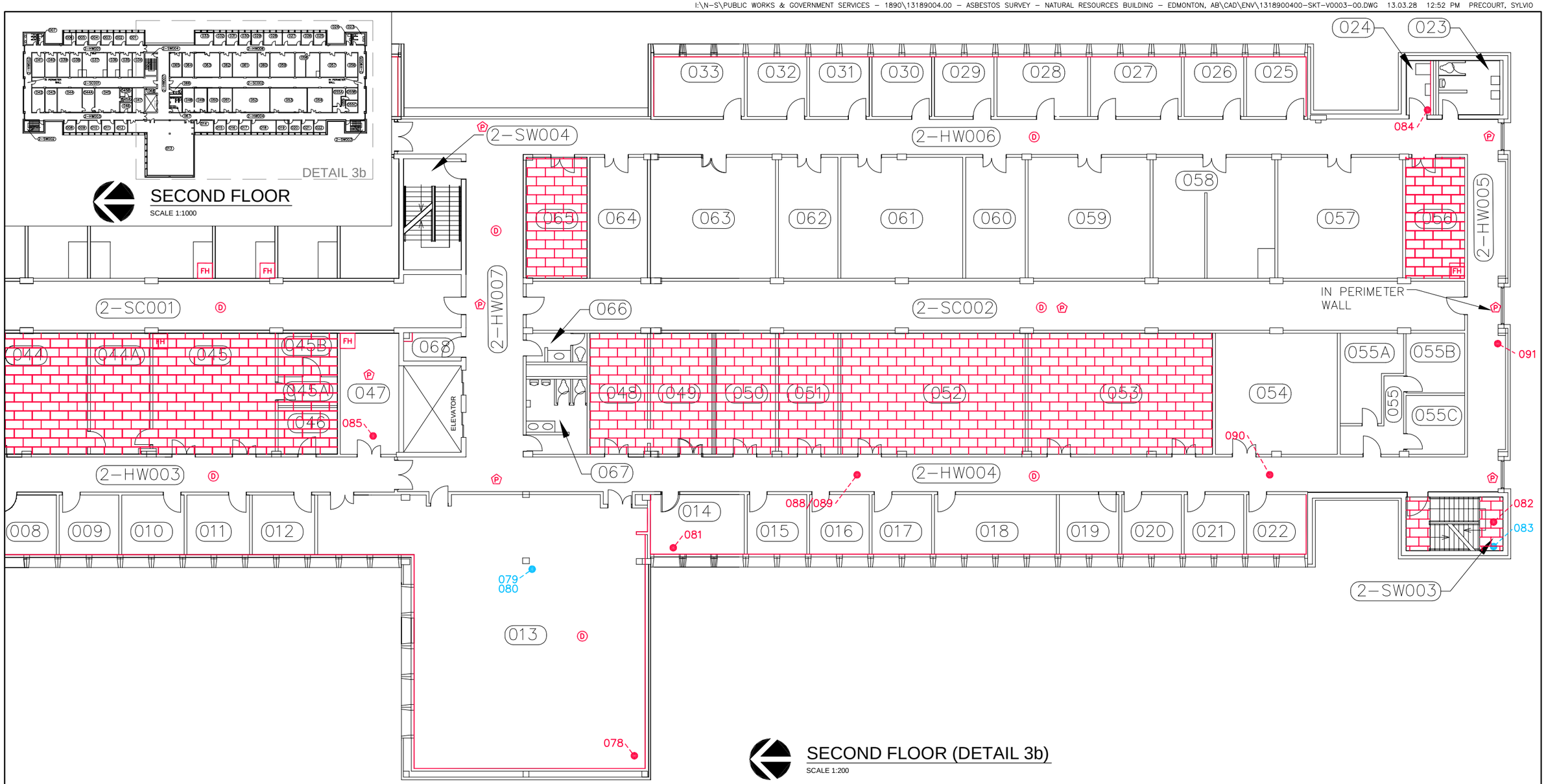
AUTHORIZED BY: RB
DATE: 13/03/28
CLIENT DRAWING NO.

CLIENT: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

DRAWING DESCRIPTION: FIGURE 3a: SAMPLE AND ASBESTOS - CONTAINING MATERIALS LOCATIONS - SECOND FLOOR NRCAN FORESTRY BLDG - EDMONTON, AB

DESIGNED BY:	DRAWN BY:	DRAWING NO.	REV.
SP	SP	1318900400-SKT-V0003	00
REVIEWED BY: SD	SCALE: 1:200		

A3 (432 x 279)



LEGEND

- D — DUCTWORK POTENTIALLY CONTAINING ASBESTOS MASTIC
- FH — ASBESTOS TRANSITE BOARD IN FRAME HEAD
- P — ASBESTOS PIPE ELBOW
- ASBESTOS SAMPLE – NON DETECTED
- ASBESTOS SAMPLE – DETECTED
- ASBESTOS WALL
- ASBESTOS FLOOR
- B045 — ROOM NUMBER
- 03 — SAMPLE ID NUMBER

NO.	DATE	DESCRIPTION	PREPARED	REVIEW	DESIGN	AUTHORIZE
REVISIONS/ISSUE			DRAFTING		ENGINEERING	

NO.	DESCRIPTION
REFERENCE DRAWINGS	

TETRA TECH

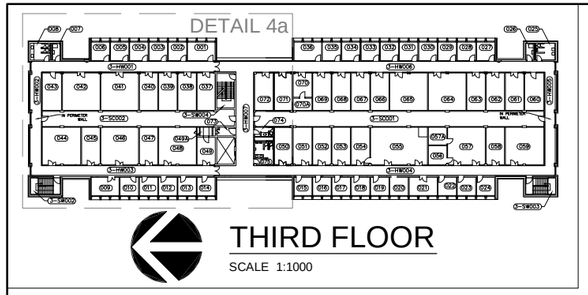
AUTHORIZED BY: RB
DATE: 13/03/28
CLIENT DRAWING NO.

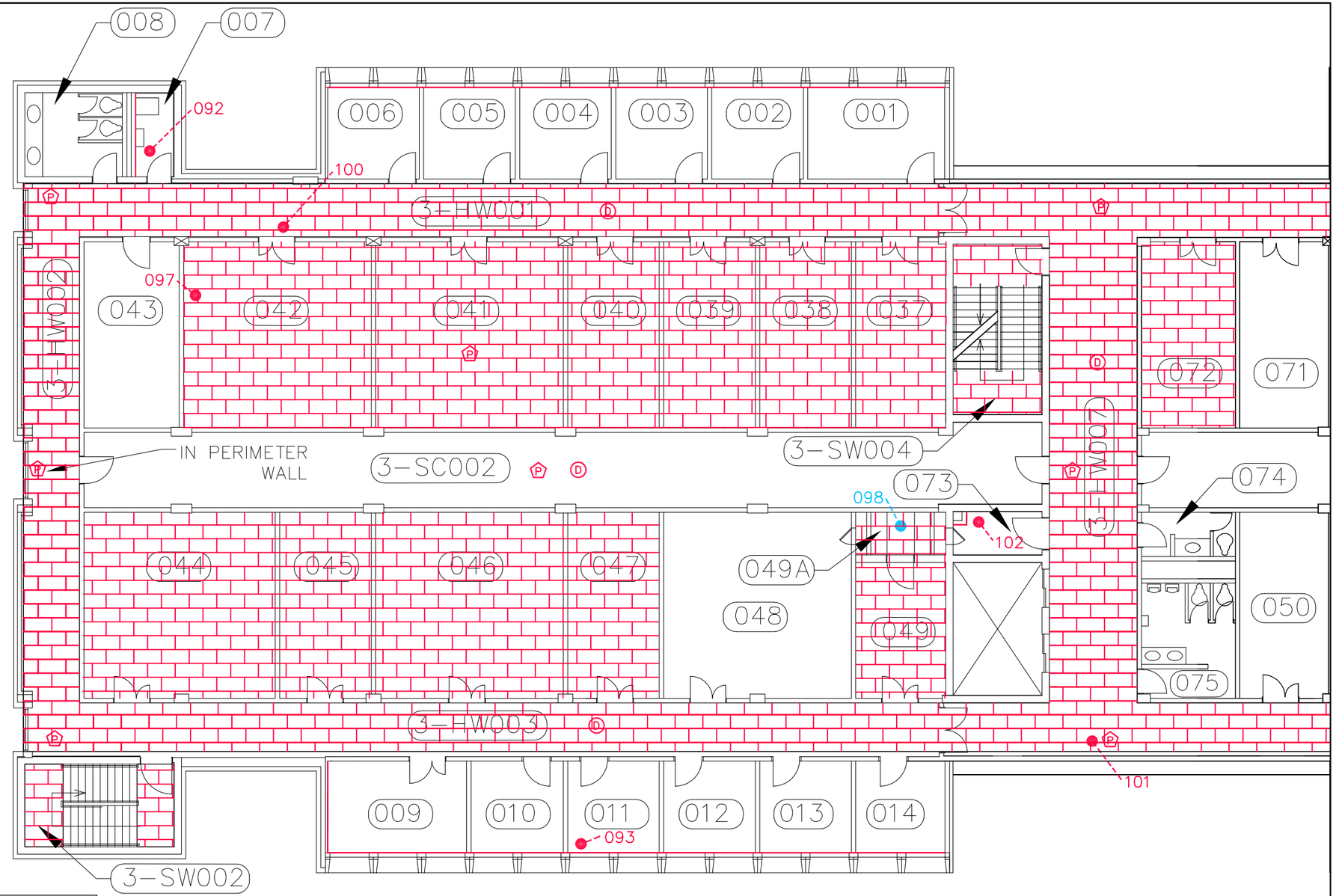
CLIENT: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

DRAWING DESCRIPTION: FIGURE 3b: SAMPLE AND ASBESTOS - CONTAINING MATERIALS LOCATIONS - SECOND FLOOR NRCAN FORESTRY BLDG - EDMONTON, AB

DESIGNED BY:	DRAWN BY:	DRAWING NO.	REV.
SP	SP	1318900400-SKT-V0003	00
REVIEWED BY: SD	SCALE: 1:200		

A3 (432 x 279)





THIRD FLOOR (DETAIL 4a)
SCALE 1:150

LEGEND

- (D) DUCTWORK POTENTIALLY CONTAINING ASBESTOS MASTIC
- (FH) ASBESTOS TRANSITE BOARD IN FRAME HEAD
- (P) ASBESTOS PIPE ELBOW
- ASBESTOS SAMPLE – NON DETECTED
- ASBESTOS SAMPLE – DETECTED
- ASBESTOS WALL
- ASBESTOS FLOOR
- (B045) ROOM NUMBER
- 03 SAMPLE ID NUMBER

NO.	DATE	DESCRIPTION	PREPARED	REVIEW	DESIGN	AUTHORIZE
REVISIONS/ISSUE			DRAFTING		ENGINEERING	

TETRA TECH

AUTHORIZED BY: RB
DATE: 13/03/28
CLIENT DRAWING NO.

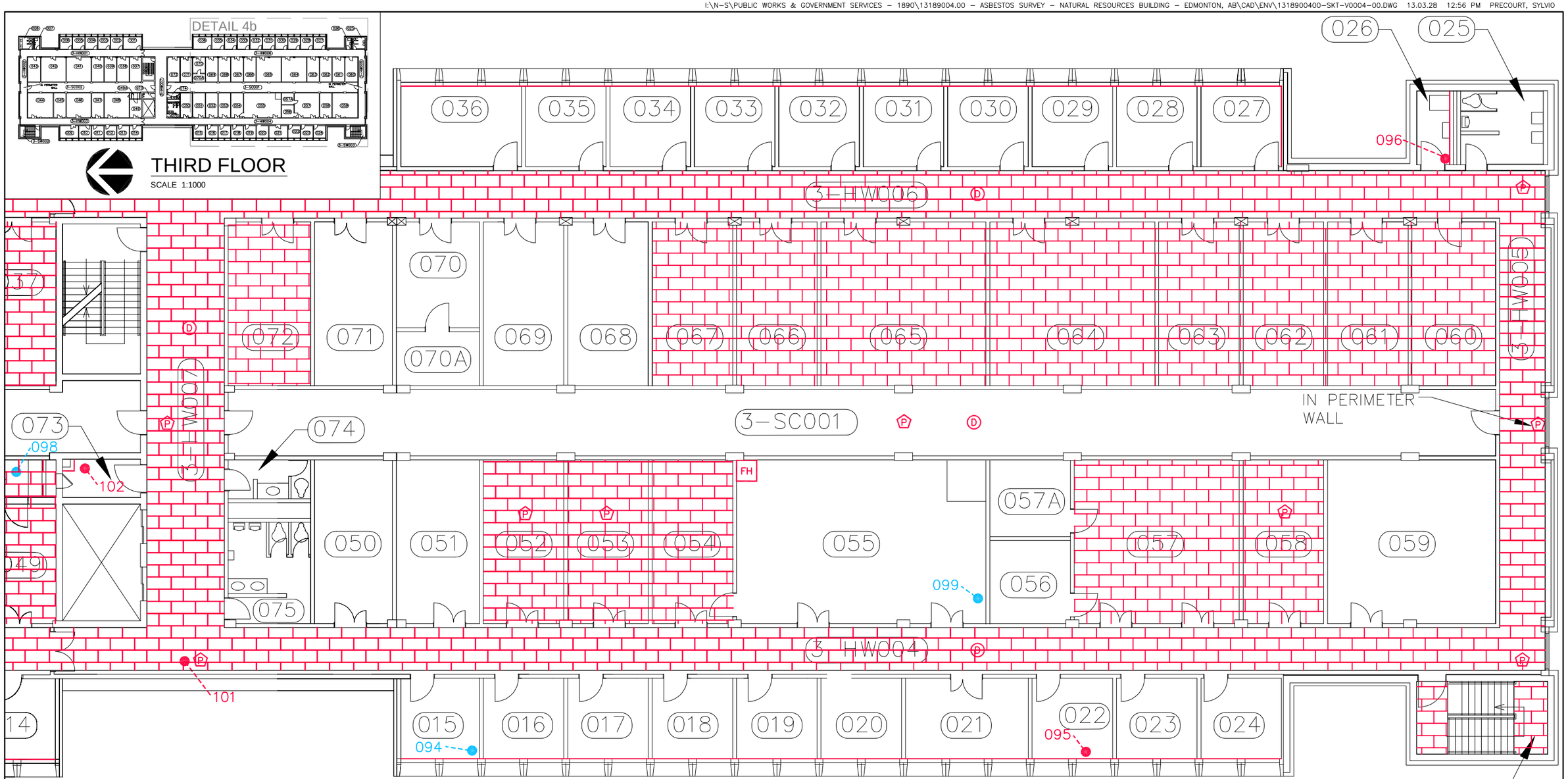
PROJ. No. 619251-X1	NATURAL RESOURCES CANADA
NO.	DESCRIPTION
REFERENCE DRAWINGS	

CLIENT
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

DRAWING DESCRIPTION
FIGURE 4a: SAMPLE AND ASBESTOS - CONTAINING MATERIALS LOCATIONS - THIRD FLOOR
NRCAN FORESTRY BLDG - EDMONTON, AB

DESIGNED BY: SP	DRAWN BY: SP	DRAWING NO.	REV.
REVIEWED BY: SD	SCALE: 1:150	1318900400-SKT-V0004	00

A3 (432 x 279)



THIRD FLOOR (DETAIL 4b)

SCALE 1:150

LEGEND

- D — DUCTWORK POTENTIALLY CONTAINING ASBESTOS MASTIC
- FH — ASBESTOS TRANSITE BOARD IN FRAME HEAD
- P — ASBESTOS PIPE ELBOW
- ASBESTOS SAMPLE – NON DETECTED
- ASBESTOS SAMPLE – DETECTED
- ASBESTOS WALL
- ASBESTOS FLOOR
- B045 — ROOM NUMBER
- 03 — SAMPLE ID NUMBER

NO.	DATE	DESCRIPTION	PREPARED	REVIEW	DESIGN	AUTHORIZE
REVISIONS/ISSUE			DRAFTING		ENGINEERING	

TETRA TECH

AUTHORIZED BY: RB
DATE: 13/03/28
CLIENT DRAWING NO.

CLIENT: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

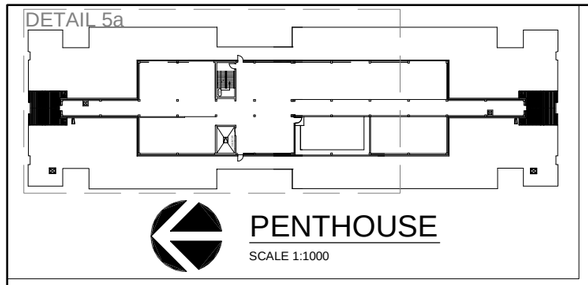
DRAWING DESCRIPTION: FIGURE 4b: SAMPLE AND ASBESTOS - CONTAINING MATERIALS LOCATIONS - THIRD FLOOR NRCAN FORESTRY BLDG - EDMONTON, AB

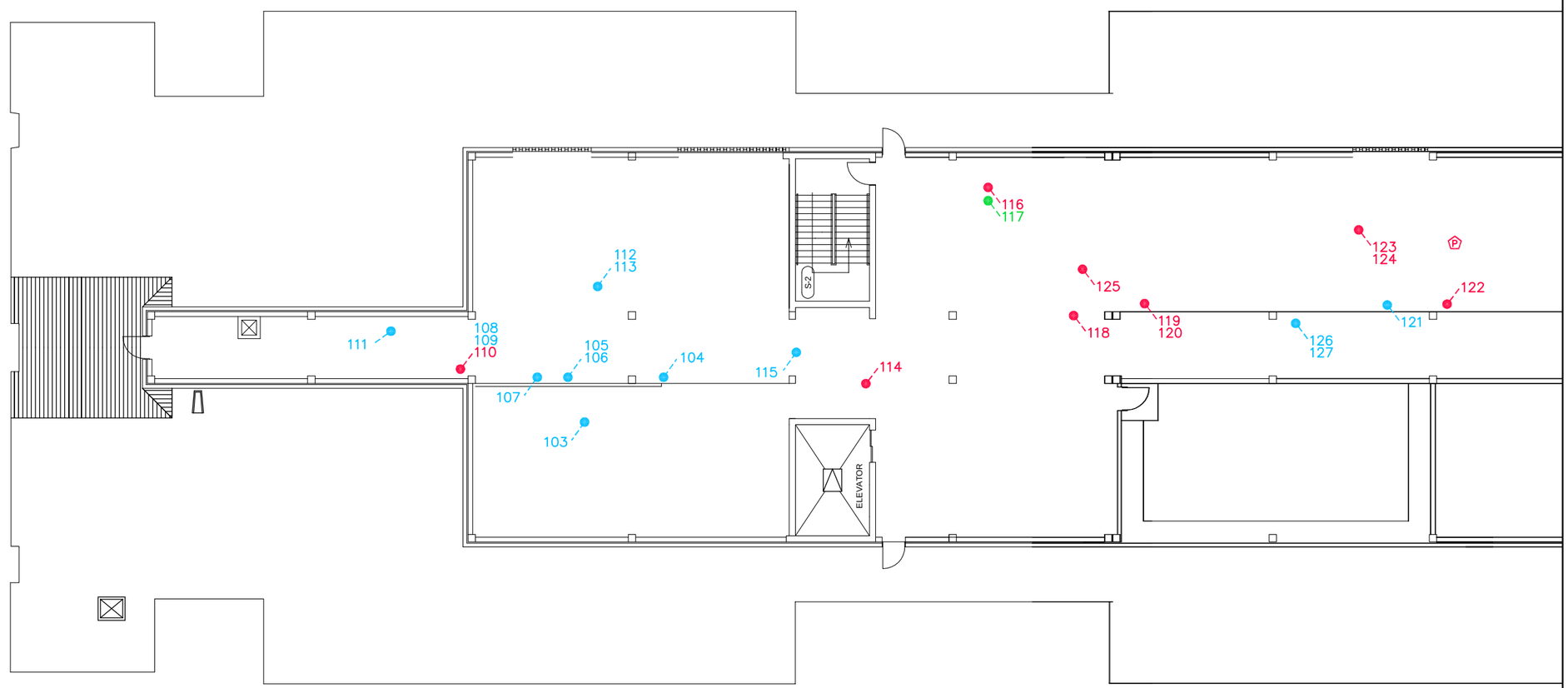
DESIGNED BY: SP	DRAWN BY: SP	DRAWING NO.	REV.
REVIEWED BY: SD	SCALE: 1:150	1318900400-SKT-V0004	00

PROJ. No. 619251-X1 — NATURAL RESOURCES CANADA

NO.	DESCRIPTION
REFERENCE DRAWINGS	

A3 (432 x 279)





LEGEND

- ASBESTOS PIPE ELBOW
- ASBESTOS SAMPLE – NON DETECTED
- ASBESTOS SAMPLE – DETECTED
- ASBESTOS SAMPLE – NOT RECEIVED OR ANALYZED BY THE LABORATORY

B045 ROOM NUMBER
03 SAMPLE ID NUMBER

PENTHOUSE (DETAIL 5a)

SCALE 1:200

NO.	DATE	DESCRIPTION	PREPARED	REVIEW	DESIGN	AUTHORIZE
REVISIONS/ISSUE			DRAFTING		ENGINEERING	

TETRA TECH

AUTHORIZED BY: RB
DATE: 13/03/28
CLIENT DRAWING NO.

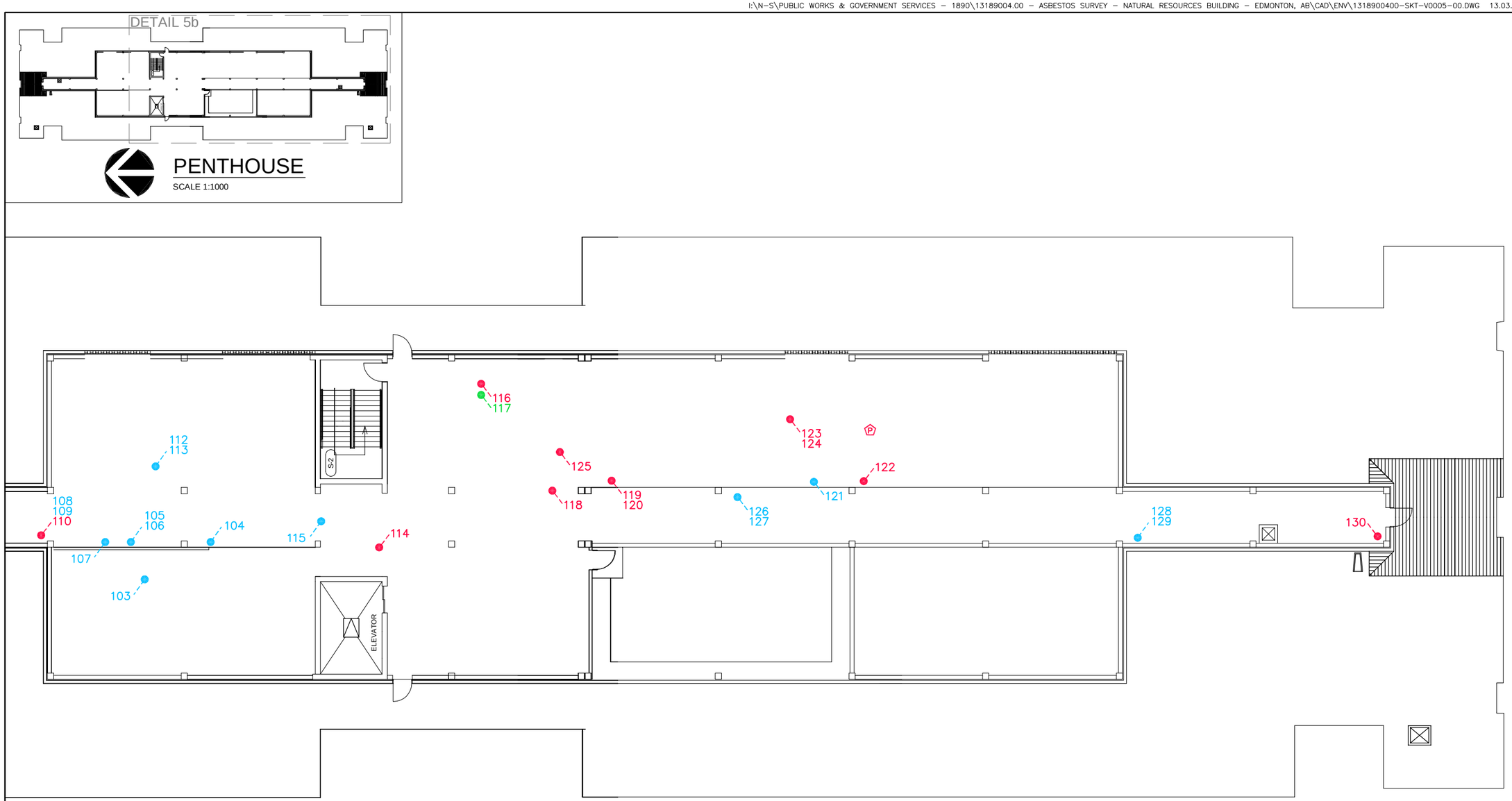
PROJ. No. 619251-X1	NATURAL RESOURCES CANADA
NO.	DESCRIPTION
REFERENCE DRAWINGS	

CLIENT
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

DRAWING DESCRIPTION
FIGURE 5a: SAMPLE AND ASBESTOS - CONTAINING MATERIALS LOCATIONS - PENTHOUSE
NRCAN FORESTRY BLDG - EDMONTON, AB

DESIGNED BY: SP	DRAWN BY: SP	DRAWING NO.	REV.
REVIEWED BY: SD	SCALE: 1:200	1318900400-SKT-V0005	00

A3 (432 x 279)



LEGEND

- ASBESTOS PIPE ELBOW
- ASBESTOS SAMPLE – NON DETECTED
- ASBESTOS SAMPLE – DETECTED
- ASBESTOS SAMPLE – NOT RECEIVED OR ANALYZED BY THE LABORATORY

B045 ROOM NUMBER
03 SAMPLE ID NUMBER

PENTHOUSE (DETAIL 5b)

SCALE 1:200

NO.	DATE	DESCRIPTION	PREPARED	REVIEW	DESIGN	AUTHORIZE
REVISIONS/ISSUE			DRAFTING		ENGINEERING	

TETRA TECH

AUTHORIZED BY: RB
DATE: 13/03/28
CLIENT DRAWING NO.

PROJ. No. 619251-X1 | NATURAL RESOURCES CANADA

NO. | DESCRIPTION

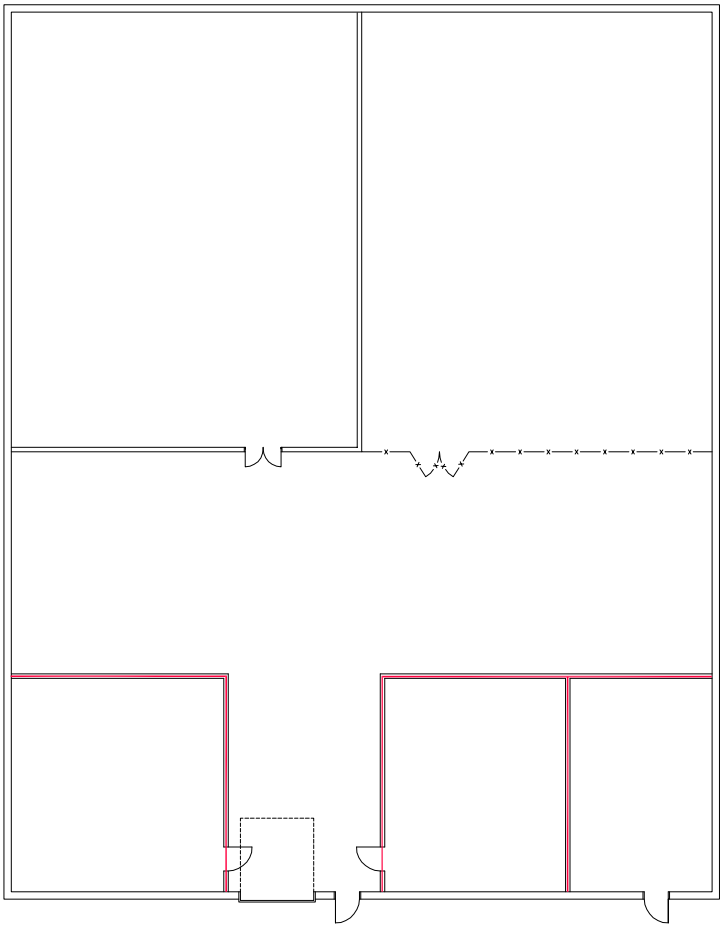
REFERENCE DRAWINGS

CLIENT
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

DRAWING DESCRIPTION
FIGURE 5b: SAMPLE AND ASBESTOS - CONTAINING MATERIALS LOCATIONS - PENTHOUSE
NRCAN FORESTRY BLDG - EDMONTON, AB

DESIGNED BY: SP	DRAWN BY: SP	DRAWING NO.	REV.
REVIEWED BY: SD	SCALE: 1:200	1318900400-SKT-V0005	00

A3 (432 x 279)



HAZARDOUS MATERIALS SHED

SCALE 1:250

LEGEND

ASBESTOS WALL (VERMICULITE INSULATION IN CINDER BLOCK WALL CAVITY)

REFERENCE DRAWINGS: NATURAL RESOURCES CANADA (PROJ. No. 619251-X1)

TETRA TECH

NO.	DATE	DESCRIPTION	ISSUED BY

REVISIONS/ISSUE

AUTHORIZED BY: RB

DATE: 13/03/28

CLIENT DRAWING NO.

CLIENT: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

DRAWING DESCRIPTION

FIGURE 6: ASBESTOS - CONTAINING MATERIALS LOCATIONS - HAZARDOUS MATERIALS SHED NRCAN FORESTRY BLDG - EDMONTON, AB

DESIGNED BY:	DRAWN BY:	DRAWING NO.	REV.
SP	SP	1318900400-SKT-V0006	00
REVIEWED BY: SD	SCALE: 1:250		

A (8.5" x 11")

APPENDIX D

LABORATORY ANALYTICAL REPORTS

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tetra Tech
115-200 Rivercrest Drive SE
Calgary Alberta T2C 2X5

Report Date: 2/13/2013
Report No: 296406
Project: ACM Survey ForestryBuilding
Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909401 **Description / Location:** Off-White Mudded Pipe Insulation
Client No.: B-001-001 Room 001

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
40	Chrysotile	None Detected	None Detected	60

Lab No.: 4909402 **Description / Location:** Off-White Wrap
Client No.: B-001-002 Room 001, On 50mm Pipe

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	60	Cellulose	35
		5	Fibrous Glass	

Lab No.: 4909403 **Description / Location:** Off-White/Grey Cementitious
Client No.: B-001-003 Room 001, Concrete Parging On Walls

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4909404 **Description / Location:** Off-White Texture; On Walls
Client No.: B-SW001-004 Room SW001

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: S. Clay **Approved By:**

Date: 2/11/2013

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CERTIFICATE OF ANALYSIS

Client: Tetra Tech
115-200 Rivercrest Drive SE
Calgary Alberta T2C 2X5

Report Date: 2/13/2013
Report No: 296406
Project: ACM Survey ForestryBuilding
Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909405 **Description / Location:** Black Floor Tile; 12x12
Client No.: B-SW001-005 Room SW001

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

Amended COA. Result change from report dated 2/12/2013.

Lab No.: 4909405 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: B-SW001-005 Room SW001

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	Trace	Cellulose	100

Amended COA. Result change from report dated 2/12/2013.

Lab No.: 4909406 **Description / Location:** Grey Cementitious
Client No.: B-002-006 Room 002, Concrete Parging

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: S. Clay

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CERTIFICATE OF ANALYSIS

Client: Tetra Tech
115-200 Rivercrest Drive SE
Calgary Alberta T2C 2X5

Report Date: 2/13/2013
Report No: 296406
Project: ACM Survey ForestryBuilding
Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909407 **Description / Location:** Grey Floor Tile; 12x12
Client No.: B-003-007 Room 003

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4909407 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: B-003-007 Room 003

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	1	Cellulose	99

Lab No.: 4909408 **Description / Location:** White Ceiling Tile; 3x2
Client No.: B-005-008 Room 005

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	60	Cellulose	10
		30	Fibrous Glass	

Lab No.: 4909409 **Description / Location:** Black Wrap
Client No.: B-005-009 Room 005, On HVAC Ducting

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Synthetic	10
		70	Fibrous Glass	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: S. Clay

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CERTIFICATE OF ANALYSIS

Client: Tetra Tech
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Calgary Alberta T2C 2X5

Report Date: 2/13/2013
Report No: 296406
Project: ACM Survey ForestryBuilding
Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909410 **Description / Location:** Green Floor Tile; 12x12
Client No.: B-008-010 Room 008

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0.75	Chrysotile	None Detected	None Detected	PC 99.25

Lab No.: 4909411 **Description / Location:** Tan Joint Compound
Client No.: B-008-011 Room 008, On Column

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.6	Chrysotile	None Detected	None Detected	PC 98.4

Lab No.: 4909412 **Description / Location:** White Ceiling Tile; 3x2
Client No.: B-008-012 Room 008

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	60	Cellulose	10
		30	Fibrous Glass	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: S. Clay

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CERTIFICATE OF ANALYSIS

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Report Date: 2/13/2013
Report No: 296406
Project: ACM Survey ForestryBuilding
Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909413 **Description / Location:** Off-White Sheetrock
Client No.: B-012-013 Room 012, On Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Cellulose	90

Lab No.: 4909413 **Description / Location:** Tan Joint Compound **Layer No.:** 2
Client No.: B-012-013 Room 012, On Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.4	Chrysotile	None Detected	None Detected	PC 98.6

Lab No.: 4909414 **Description / Location:** Off-White Sheetrock
Client No.: B-012-014 Room 012, On Ceiling

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Cellulose	85

Lab No.: 4909414 **Description / Location:** Tan Joint Compound **Layer No.:** 2
Client No.: B-012-014 Room 012, On Ceiling

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.5	Chrysotile	None Detected	None Detected	PC 98.5

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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Report Date: 2/13/2013
Report No: 296406
Project: ACM Survey ForestryBuilding
Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909415 **Description / Location:** Tan Floor Tile; 12x12
Client No.: B-SW002-015 Room SW002

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC Trace	Chrysotile	None Detected	None Detected	100

Lab No.: 4909415 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: B-SW002-015 Room SW002

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0.5	Chrysotile	Trace	Cellulose	PC 99.5

Lab No.: 4909416 **Description / Location:** Tan/Grey Texture; On Wall
Client No.: B-SW002-016 Room SW002

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0.5	Chrysotile	None Detected	None Detected	PC 99.5

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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CERTIFICATE OF ANALYSIS

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Report Date: 2/13/2013
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Project: ACM Survey ForestryBuilding
Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909417 **Description / Location:** Red Caulk; Firestop
Client No.: B-SW002-017 Room SW002

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Fibrous Glass	98

Lab No.: 4909417 **Description / Location:** Tan Texture **Layer No.:** 2
Client No.: B-SW002-017 Room SW002

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0.5	Chrysotile	None Detected	None Detected	PC 99.5

Lab No.: 4909418 **Description / Location:** Tan Putty; At Pipe Penetration
Client No.: B-014-018 Room 014

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	None Detected	None Detected	90

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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CERTIFICATE OF ANALYSIS

Client: Tetra Tech
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Calgary Alberta T2C 2X5

Report Date: 2/13/2013
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Project: ACM Survey ForestryBuilding
Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909419 **Description / Location:** Off-White Sheetrock
Client No.: B-017-019 Room 017, On Ceiling

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Cellulose	88
		2	Fibrous Glass	

Lab No.: 4909419 **Description / Location:** Off-White Joint Compound **Layer No.:** 2
Client No.: B-017-019 Room 017, On Ceiling

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

Lab No.: 4909419 **Description / Location:** White Caulk **Layer No.:** 3
Client No.: B-017-019 Room 017, On Ceiling

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4909420 **Description / Location:** Off-White/Tan Joint Compound
Client No.: B-018-020 Room 018, On Column

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.9	Chrysotile	None Detected	None Detected	PC 98.1

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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CERTIFICATE OF ANALYSIS

Client: Tetra Tech
115-200 Rivercrest Drive SE
Calgary Alberta T2C 2X5

Report Date: 2/13/2013
Report No: 296406
Project: ACM Survey ForestryBuilding
Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909421 **Description / Location:** Green Floor Tile; 12x12
Client No.: B-023-021 Room 023

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0.5	Chrysotile	None Detected	None Detected	PC 99.5

Lab No.: 4909421 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: B-023-021 Room 023

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	Trace	Cellulose	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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CERTIFICATE OF ANALYSIS

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115-200 Rivercrest Drive SE
Calgary Alberta T2C 2X5

Report Date: 2/13/2013
Report No: 296406
Project: ACM Survey ForestryBuilding
Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909422 **Description / Location:** Black Cove Base
Client No.: B-023-022 Room 023

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4909422 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: B-023-022 Room 023

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4909422 **Description / Location:** Green Floor Tile **Layer No.:** 3
Client No.: B-023-022 Room 023

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0.5	Chrysotile	None Detected	None Detected	PC 99.5

Lab No.: 4909422 **Description / Location:** Tan Mastic **Layer No.:** 4
Client No.: B-023-022 Room 023

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: S. Clay

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CERTIFICATE OF ANALYSIS

Client: Tetra Tech
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Report Date: 2/13/2013
Report No: 296406
Project: ACM Survey ForestryBuilding
Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909423 **Description / Location:** Off-White Sheetrock
Client No.: B-025-023 Room 025, On Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Cellulose	90

Lab No.: 4909423 **Description / Location:** Tan Joint Compound **Layer No.:** 2
Client No.: B-025-023 Room 025, On Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.4	Chrysotile	None Detected	None Detected	PC 98.6

Lab No.: 4909424 **Description / Location:** Off-White Sheetrock
Client No.: B-031-024 Room 031, On Ceiling

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Cellulose	80
		10	Fibrous Glass	

Lab No.: 4909424 **Description / Location:** Off-White Joint Compound **Layer No.:** 2
Client No.: B-031-024 Room 031, On Ceiling

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: S. Clay

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CERTIFICATE OF ANALYSIS

Client: Tetra Tech
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Report Date: 2/13/2013
Report No: 296406
Project: ACM Survey ForestryBuilding
Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909425 **Description / Location:** Off-White/Grey Texture; On Ceiling
Client No.: B-031B-025 Room 031B

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4909426 **Description / Location:** Off-White Sheetrock
Client No.: B-033-026 Room 033, On Perimeter Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Cellulose	85

Lab No.: 4909426 **Description / Location:** Tan Joint Compound **Layer No.:** 2
Client No.: B-033-026 Room 033, On Perimeter Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.9	Chrysotile	None Detected	None Detected	PC 98.1

Lab No.: 4909427 **Description / Location:** Grey Wrap; On 6" Diameter Ducting
Client No.: B-049-027 Room 049

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	50	Synthetic	50

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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Report Date: 2/13/2013
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Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909428 **Description / Location:** Green Floor Tile; 12x12
Client No.: B-051-028 Room 051

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0.5	Chrysotile	None Detected	None Detected	PC 99.5

Lab No.: 4909429 **Description / Location:** Tan Joint Compound
Client No.: B-054B-029 Room 054B, On Ceiling

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.7	Chrysotile	None Detected	None Detected	PC 98.3

Lab No.: 4909430 **Description / Location:** Grey Sheetrock
Client No.: B-059-030 Room 059, On Column

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Cellulose	90

Lab No.: 4909430 **Description / Location:** Off-White/Tan Joint Compound **Layer No.:** 2
Client No.: B-059-030 Room 059, On Column

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: S. Clay

Date: 2/11/2013

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CERTIFICATE OF ANALYSIS

Client: Tetra Tech
115-200 Rivercrest Drive SE
Calgary Alberta T2C 2X5

Report Date: 2/13/2013
Report No: 296406
Project: ACM Survey ForestryBuilding
Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909431 **Description / Location:** White Ceiling Tile
Client No.: B-HW001-031 Room HW001

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	10
		50	Fibrous Glass	

Lab No.: 4909432 **Description / Location:** Tan Texture; Overspray
Client No.: B-HW001-032 Room HW001

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC Trace	Chrysotile	None Detected	None Detected	100

Lab No.: 4909433 **Description / Location:** Tan Insulation
Client No.: B-HW001-033 2"DiameterMuddledPipeFitting, Room HW001

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	10	Fibrous Glass	80

Lab No.: 4909434 **Description / Location:** Silver HVAC Mastic
Client No.: B-HW002-034 Room HW002

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.5	Chrysotile	None Detected	None Detected	PC 98.5

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: R. Kennedy

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CERTIFICATE OF ANALYSIS

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Report Date: 2/13/2013
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Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909435 **Description / Location:** Tan Ceiling Tile; 3x1
Client No.: B-HW002-035 Room HW002

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Cellulose	80
		10	Mineral Wool	

Lab No.: 4909436 **Description / Location:** Tan/Black Insulation
Client No.: B-HW002-036 Room HW002

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	60
		20	Fibrous Glass	

Lab No.: 4909437 **Description / Location:** Tan/Black Insulation
Client No.: B-HW002-037 Room HW002

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	60
		20	Fibrous Glass	

Lab No.: 4909438 **Description / Location:** Tan Mudded Pipe Insulation
Client No.: B-HW008-038 Room HW008, On 4" Diameter Pipe

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	40	Fibrous Glass	50

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: R. Kennedy

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CERTIFICATE OF ANALYSIS

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Report Date: 2/13/2013
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Project: ACM Survey ForestryBuilding
Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909439 **Description / Location:** Tan Mudded Pipe Insulation
Client No.: B-HW008-039 Room HW008, On 4" Diameter Pipe

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	40	Fibrous Glass	50

Lab No.: 4909440 **Description / Location:** Tan Mudded Pipe Insulation
Client No.: B-HW008-040 Room HW008, On 4" Diameter Pipe

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	40	Fibrous Glass	50

Lab No.: 4909441 **Description / Location:** Tan Mudded Pipe Insulation
Client No.: B-HW008-041 Room HW008, On 4" Diameter Pipe

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	40	Fibrous Glass	50

Lab No.: 4909442 **Description / Location:** White/Tan Joint Compound
Client No.: 1-006-042 Room 006, On Perimeter Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.1	Chrysotile	None Detected	None Detected	PC 98.9

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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CERTIFICATE OF ANALYSIS

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Report Date: 2/13/2013
Report No: 296406
Project: ACM Survey ForestryBuilding
Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909443 **Description / Location:** White Sheetrock
Client No.: 1-007-043 Room 007, Behind Door

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	5	Cellulose	95

Lab No.: 4909443 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 1-007-043 Room 007, Behind Door

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2.1	Chrysotile	None Detected	None Detected	PC 97.9

Lab No.: 4909444 **Description / Location:** Off-White Texture
Client No.: 1-009-044 Room 009

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4909445 **Description / Location:** White Joint Compound
Client No.: 1-018-045 Room 018, On Perimeter Column

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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CERTIFICATE OF ANALYSIS

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Calgary Alberta T2C 2X5

Report Date: 2/13/2013
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Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909446 **Description / Location:** Tan Ceiling Tile
Client No.: 1-019-046 Room 019

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	95	Cellulose	5

Lab No.: 4909447 **Description / Location:** Tan Ceiling Tile; 2x5
Client No.: 1-020-047 Room 020

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	20
		40	Mineral Wool	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909448 **Description / Location:** White Sheetrock
Client No.: 1-032-048 Room 032, On Perimeter Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	5	Cellulose	95

Lab No.: 4909448 **Description / Location:** Tan Joint Compound **Layer No.:** 2
Client No.: 1-032-048 Room 032, On Perimeter Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.6	Chrysotile	None Detected	None Detected	PC 98.4

Lab No.: 4909448 **Description / Location:** Tan Mastic **Layer No.:** 3
Client No.: 1-032-048 Room 032, On Perimeter Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4909449 **Description / Location:** Tan Joint Compound
Client No.: 1-045-049 Room 045

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.4	Chrysotile	None Detected	None Detected	PC 98.6

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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Calgary Alberta T2C 2X5

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Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909450 **Description / Location:** Tan Joint Compound
Client No.: 1-055-050 Room 055, On Perimeter Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.5	Chrysotile	None Detected	None Detected	PC 98.5

Lab No.: 4909451 **Description / Location:** Green Floor Tile; 12x12
Client No.: 1-060-051 Room 060

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.1	Chrysotile	None Detected	None Detected	PC 98.9

Lab No.: 4909451 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: 1-060-051 Room 060

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4909452 **Description / Location:** Tan Ceiling Tile; 4x2
Client No.: 1-060-052 Room 060

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	20
		40	Mineral Wool	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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Calgary Alberta T2C 2X5

Report Date: 2/13/2013
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Project: ACM Survey ForestryBuilding
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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909453 **Description / Location:** Off-White Wall Insulation
Client No.: 1-067-053 Room 067

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	95	Fibrous Glass	5

Lab No.: 4909454 **Description / Location:** Tan Mudded Insulation
Client No.: 1-HW003-054 Room HW003, On 4" Diameter Pipe

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	40	Fibrous Glass	50

Lab No.: 4909455 **Description / Location:** White Joint Compound
Client No.: 1-093-055 Room 093, On Column

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.6	Chrysotile	None Detected	None Detected	PC 98.4

Lab No.: 4909456 **Description / Location:** Tan/White Joint Compound
Client No.: 1-093-056 Room 093, On Column

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.5	Chrysotile	None Detected	None Detected	PC 98.5

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: R. Kennedy

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909457 **Description / Location:** Tan Joint Compound
Client No.: 1-099-057 Room 099, On Perimeter

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

Lab No.: 4909458 **Description / Location:** Grey Caulk
Client No.: 1-Ext-058 Room Ext.

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4909459 **Description / Location:** Off-White Caulk
Client No.: 1-Ext-059 Room Ext.

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

Lab No.: 4909460 **Description / Location:** Off-White Caulk
Client No.: 1-Ext-060 Room Ext.

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909461 **Description / Location:** Off-White Insulation
Client No.: 1-102-061 Room 102, Wrap On Ducting

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Cellulose	20

Lab No.: 4909462 **Description / Location:** Off-White Mudded Insulation
Client No.: 1-102-062 Room 102

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
20	Chrysotile	None Detected	None Detected	80

Lab No.: 4909463 **Description / Location:** Tan Mudded Insulation
Client No.: 1-102-063 Room 102

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
40	Chrysotile	None Detected	None Detected	60

Lab No.: 4909464 **Description / Location:** Tan Insulation
Client No.: 1-102-064 Room 102, On Ducting

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Cellulose	20

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: R. Kennedy

Date: 2/11/2013

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Report Date: 2/13/2013
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Project: ACM Survey ForestryBuilding
Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909465 **Description / Location:** Grey/White Mudded Insulation/Wrap
Client No.: 1-104-065 Room 104, On 6" Diameter Steam Line

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
50	Chrysotile	15	Cellulose	35

Lab No.: 4909466 **Description / Location:** Grey/White Mudded Insulation/Wrap
Client No.: 1-104-066 Room 104

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
50	Chrysotile	15	Cellulose	35

Lab No.: 4909466 **Description / Location:** Tan Mudded Insulation **Layer No.:** 2
Client No.: 1-104-066 Room 104

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
15	Chrysotile	35	Cellulose	50

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Solebello

Date: 2/12/2013

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CERTIFICATE OF ANALYSIS

Client: Tetra Tech
115-200 Rivercrest Drive SE
Calgary Alberta T2C 2X5

Report Date: 2/13/2013
Report No: 296406
Project: ACM Survey ForestryBuilding
Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909467 **Description / Location:** Yellow Insulation
Client No.: 1-104-067 Room 104, Wrapped HVAC Ducting

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	90	Fibrous Glass	10

Lab No.: 4909467 **Description / Location:** Black/Brown Tar/Wrap **Layer No.:** 2
Client No.: 1-104-067 Room 104, Wrapped HVAC Ducting

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	5	Cellulose	95

Lab No.: 4909468 **Description / Location:** Red Caulk; Firestop
Client No.: B-SC002-068 Room SC002

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Fibrous Glass	98

Lab No.: 4909469 **Description / Location:** White Pipe Wrap
Client No.: B-SC003-069 Room SC003

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Cellulose	20

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909470 **Description / Location:** Green/Grey Wrap
Client No.: B-SC003-070 Room SC003, Wrapped Pipe

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	60	Cellulose	40

Lab No.: 4909471 **Description / Location:** Brown/Silver Wrap
Client No.: B-SC003-071 Room SC003, HVAC Foil Resin

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	50	Cellulose	50

Lab No.: 4909472 **Description / Location:** Brown Mastic
Client No.: 1-HW008-072 Room HW008, Around Door Frame

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

Lab No.: 4909473 **Description / Location:** Brown Mastic
Client No.: 1-HW008-073 Room HW008, Around Door Frame

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909474
Client No.: 1-HW008-074
Description / Location: Grey Cementitious
Room HW008, Concrete Parging

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4909475
Client No.: 1-SC001-075
Description / Location: Silver Mastic
Room SC001, On 18" Ducting

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2.7	Chrysotile	None Detected	None Detected	PC 97.3

Lab No.: 4909476
Client No.: 2-002-076
Description / Location: White/Tan Ceiling Tile; 2x5
Room 002

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	20
		60	Fibrous Glass	

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909477 **Description / Location:** White/Tan Sheetrock
Client No.: 2-007-077 Room 007, Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	25	Cellulose	75

Lab No.: 4909477 **Description / Location:** Off-White Joint Compound **Layer No.:** 2
Client No.: 2-007-077 Room 007, Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.5	Chrysotile	None Detected	None Detected	PC 98.5

Lab No.: 4909478 **Description / Location:** Tan Joint Compound
Client No.: 2-013-078 Room 013, On Bulkhead

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.7	Chrysotile	None Detected	None Detected	PC 98.3

Lab No.: 4909479 **Description / Location:** White Joint Compound
Client No.: 2-013-079 Room 013, On Column

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

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Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909480 **Description / Location:** White Joint Compound
Client No.: 2-013-080 Room 013, On Column

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4909481 **Description / Location:** Yellow Joint Compound
Client No.: 2-014-081 Room 014, On Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.8	Chrysotile	None Detected	None Detected	PC 98.2

Lab No.: 4909482 **Description / Location:** Tan/Green Floor Tile; 12x12
Client No.: 2-SW002-082 Room SW002

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

Lab No.: 4909483 **Description / Location:** White/Yellow Texture
Client No.: 2-SW002-083 Room SW002

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909484 **Description / Location:** White/Tan Sheetrock
Client No.: 2-024-084 Room 024

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	80

Lab No.: 4909484 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 2-024-084 Room 024

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.4	Chrysotile	None Detected	None Detected	PC 98.6

Lab No.: 4909484 **Description / Location:** Tan Joint Compound **Layer No.:** 3
Client No.: 2-024-084 Room 024

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2.1	Chrysotile	None Detected	None Detected	PC 97.9

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909485 **Description / Location:** Grey Mudded Pipe Insulation
Client No.: 2-047-085 Room 047

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
60	Chrysotile	None Detected	None Detected	40

Lab No.: 4909485 **Description / Location:** Tan Mudded Pipe Insulation **Layer No.:** 2
Client No.: 2-047-085 Room 047

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	None Detected	None Detected	90

Lab No.: 4909486 **Description / Location:** Tan Insulation
Client No.: 2-HW001-086 Room HW001, 2" Diameter Pipe Wrap

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
15	Chrysotile	25	Fibrous Glass	60

Lab No.: 4909487 **Description / Location:** Lt.Pink Texture
Client No.: 2-HW001-087 Room HW001

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909488 **Description / Location:** Silver Mastic
Client No.: 2-HW004-088 Room HW004, On HVAC Ducting

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2.9	Chrysotile	None Detected	None Detected	PC 97.1

Lab No.: 4909489 **Description / Location:** Silver Mastic
Client No.: 2-HW004-089 Room HW004, On HVAC Ducting

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 3.1	Chrysotile	None Detected	None Detected	PC 96.9

Lab No.: 4909490 **Description / Location:** Dk.Brown Mastic
Client No.: 2-HW004-090 Room HW004, On HVAC Ducting

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2.0	Chrysotile	None Detected	None Detected	98

Lab No.: 4909491 **Description / Location:** Grey Mudded Pipe Insulation
Client No.: 2-HW005-091 Room HW005

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
15	Chrysotile	35	Fibrous Glass	50

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909492 **Description / Location:** White/Tan Sheetrock
Client No.: 3-007-092 Room 007

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	60

Lab No.: 4909492 **Description / Location:** Tan Joint Compound **Layer No.:** 2
Client No.: 3-007-092 Room 007

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.7	Chrysotile	None Detected	None Detected	PC 98.3

Lab No.: 4909493 **Description / Location:** Tan Joint Compound
Client No.: 3-011-093 Room 011, On Perimeter Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.6	Chrysotile	None Detected	None Detected	PC 98.4

Lab No.: 4909493 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 3-011-093 Room 011, On Perimeter Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909494 **Description / Location:** White/Tan Ceiling Tile; 5x2
Client No.: 3-011-094 Room 011

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	35	Cellulose	30
		35	Fibrous Glass	

Lab No.: 4909495 **Description / Location:** Off-White Joint Compound
Client No.: 3-022-095 Room 022, On Perimeter Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.5	Chrysotile	None Detected	None Detected	PC 98.5

Lab No.: 4909495 **Description / Location:** Yellow Joint Compound **Layer No.:** 2
Client No.: 3-022-095 Room 022, On Perimeter Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.7	Chrysotile	None Detected	None Detected	PC 98.3

Lab No.: 4909496 **Description / Location:** Yellow Joint Compound
Client No.: 3-026-096 Room 026

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.8	Chrysotile	None Detected	None Detected	PC 98.2

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909497 **Description / Location:** Tan/Green Floor Tile; 12x12
Client No.: 3-042-097 Room 042

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

Lab No.: 4909498 **Description / Location:** Lt.Pink Ceiling Texture
Client No.: 3-049-098 Room 049, On Ceiling

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4909499 **Description / Location:** White Joint Compound
Client No.: 3-055-099 Room 055

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4909500 **Description / Location:** Lt.Grey Mudded Pipe Insulation
Client No.: 3-HW001-100 Room HW001, 2" Diameter Elbow

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	30	Fibrous Glass	60

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Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909501 **Description / Location:** Lt.Grey Mudded Pipe Insulation
Client No.: 3-HW007-101 Room HW007

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	30	Fibrous Glass	60

Lab No.: 4909502 **Description / Location:** Yellow/White Joint Compound
Client No.: 3-077-102 Room 077

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.6	Chrysotile	None Detected	None Detected	PC 98.4

Lab No.: 4909503 **Description / Location:** White Wrap
Client No.: P-N-103 Room Penthouse North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Cellulose	20

Lab No.: 4909504 **Description / Location:** Grey/Black Rubber Flex Joint
Client No.: P-N-104 Room Penthouse North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: B. Hargrove

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CERTIFICATE OF ANALYSIS

Client: Tetra Tech
115-200 Rivercrest Drive SE
Calgary Alberta T2C 2X5

Report Date: 2/13/2013
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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909505 **Description / Location:** Red/Brown Caulk
Client No.: P-N-105 Room Penthouse North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Wollastonite	97
		1	Fibrous Glass	

Lab No.: 4909506 **Description / Location:** Red/Brown Caulk
Client No.: P-N-106 Room Penthouse North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	7	Wollastonite	92
		1	Fibrous Glass	

Lab No.: 4909507 **Description / Location:** Brown Caulk
Client No.: P-N-107 Room Penthouse North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Wollastonite	90

Lab No.: 4909508 **Description / Location:** Grey Insulation
Client No.: P-N-108 Room Penthouse North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	98	Fibrous Glass	2

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909509 **Description / Location:** Grey Insulation
Client No.: P-N-109 Room Penthouse North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	98	Fibrous Glass	2

Lab No.: 4909510 **Description / Location:** Grey Transite Cement Board
Client No.: P-N-110 Room Penthouse North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
25	Chrysotile	None Detected	None Detected	75

Lab No.: 4909511 **Description / Location:** Tan Mastic
Client No.: P-N-111 Room Penthouse North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909512 **Description / Location:** White/Off-White Wrap
Client No.: P-N-112 Room Penthouse North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Cellulose	20

Lab No.: 4909512 **Description / Location:** Black Wrap **Layer No.:** 2
Client No.: P-N-112 Room Penthouse North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	50	Cellulose	50

Lab No.: 4909512 **Description / Location:** Silver/Tan/Black Wrap **Layer No.:** 3
Client No.: P-N-112 Room Penthouse North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	50
		10	Fibrous Glass	

Lab No.: 4909512 **Description / Location:** Tan Insulation **Layer No.:** 4
Client No.: P-N-112 Room Penthouse North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	98	Fibrous Glass	2

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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Project: ACM Survey ForestryBuilding
Project No.: 1318900400

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909513 **Description / Location:** White/Off-White Wrap
Client No.: P-N-113 Room Penthouse North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Cellulose	20

Lab No.: 4909513 **Description / Location:** Black Wrap **Layer No.:** 2
Client No.: P-N-113 Room Penthouse North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	50	Cellulose	50

Lab No.: 4909513 **Description / Location:** Silver/Tan/Black Wrap **Layer No.:** 3
Client No.: P-N-113 Room Penthouse North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	50
		10	Fibrous Glass	

Lab No.: 4909513 **Description / Location:** Tan Insulation **Layer No.:** 4
Client No.: P-N-113 Room Penthouse North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	98	Fibrous Glass	2

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909514 **Description / Location:** Grey/Tan/Off-White Insulation
Client No.: P-N-114 Room Penthouse North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
25	Chrysotile	50	Fibrous Glass	5
		20	Cellulose	

Lab No.: 4909515 **Description / Location:** White Wrap
Client No.: P-N-115 Room Penthouse North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	60	Cellulose	40

Lab No.: 4909516 **Description / Location:** Grey/Yellow/White Insulation/Wrap
Client No.: P-S-116 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
40	Chrysotile	15	Cellulose	30
		15	Fibrous Glass	

Lab No.: 4909517 **Description / Location:** Sample Not Received
Client No.: P-S-117

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
	Sample Not Received		Sample Not Received	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Solebello

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909518 **Description / Location:** Grey/White Insulation/Wrap
Client No.: P-S-118 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
40	Chrysotile	40	Cellulose	20

Lab No.: 4909518 **Description / Location:** Yellow Insulation **Layer No.:** 2
Client No.: P-S-118 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	90	Fibrous Glass	10

Lab No.: 4909519 **Description / Location:** Grey/Yellow/White Insulation/Wrap
Client No.: P-S-119 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
20	Chrysotile	20	Cellulose	40
		20	Fibrous Glass	

Lab No.: 4909520 **Description / Location:** White/Grey/Yellow Wrap/Insulation
Client No.: P-S-120 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	50	Cellulose	20
		20	Fibrous Glass	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909521 **Description / Location:** Off-White Wrap
Client No.: P-S-121 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Cellulose	20

Lab No.: 4909521 **Description / Location:** Brown/Black Wrap **Layer No.:** 2
Client No.: P-S-121 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	60	Cellulose	40

Lab No.: 4909521 **Description / Location:** Yellow Insulation **Layer No.:** 3
Client No.: P-S-121 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	90	Fibrous Glass	10

Lab No.: 4909522 **Description / Location:** Grey/Yellow/White Insulation/Wrap
Client No.: P-S-122 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
40	Chrysotile	20	Cellulose	20
		20	Fibrous Glass	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909523 **Description / Location:** Red/Brown Mastic
Client No.: P-S-123 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.5	Chrysotile	None Detected	None Detected	PC 98.5

Lab No.: 4909524 **Description / Location:** Red/Brown Mastic
Client No.: P-S-124 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.4	Chrysotile	None Detected	None Detected	PC 98.6

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909525 **Description / Location:** Yellow Insulation
Client No.: P-S-125 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	90	Fibrous Glass	10

Lab No.: 4909525 **Description / Location:** White Wrap **Layer No.:** 2
Client No.: P-S-125 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
80	Chrysotile	None Detected	None Detected	20

Lab No.: 4909525 **Description / Location:** Brown/Black Wrap **Layer No.:** 3
Client No.: P-S-125 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	60	Cellulose	40

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Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909526 **Description / Location:** Red Mastic; Firestop
Client No.: P-S-126 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Fibrous Glass	98

Lab No.: 4909526 **Description / Location:** Brown Mastic; Firestop **Layer No.:** 2
Client No.: P-S-126 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	3	Wollastonite	97

Lab No.: 4909527 **Description / Location:** Brown Mastic; Firestop
Client No.: P-S-127 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Fibrous Glass	98

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909528 **Description / Location:** White Wrap
Client No.: P-S-128 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Cellulose	20

Lab No.: 4909528 **Description / Location:** Brown/Silver Wrap **Layer No.:** 2
Client No.: P-S-128 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Fibrous Glass	40
		50	Cellulose	

Lab No.: 4909528 **Description / Location:** Yellow Insulation **Layer No.:** 3
Client No.: P-S-128 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	90	Fibrous Glass	10

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4909529 **Description / Location:** Off-White Wrap
Client No.: P-S-129 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Cellulose	20

Lab No.: 4909529 **Description / Location:** Brown/Silver Wrap **Layer No.:** 2
Client No.: P-S-129 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	60

Lab No.: 4909529 **Description / Location:** Yellow Insulation **Layer No.:** 3
Client No.: P-S-129 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	90	Fibrous Glass	10

Lab No.: 4909530 **Description / Location:** Grey/Yellow/Off-White Insulation/Wrap
Client No.: P-S-130 Room Penthouse South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
15	Chrysotile	50	Fibrous Glass	20
		15	Cellulose	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Solebello

Date: 2/12/2013

APPENDIX E

HAZMAT INSPECTOR REPORTS

Asbestos Assessement

24/06/2013

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Structure No :	6667	**Civic address(Structure name) :**	NRCan - Forestry			**Survey Date:**	01/14/2013
Asbestos Present:	Yes	**Vermiculite Present:**					
Level : 1		- Floor - Main			**Asbestos Present:** No		
Room : 001		- Office					
Floor	Carpet		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Wall	Drywall joint compound		T-N-A	V045			
Pipe	Straight Run-Fiberglass		C-N-A				
Level : 1		- Floor - Main			**Asbestos Present:** No		
Room : 002		- Office					
Floor	Carpet		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Wall	Drywall joint compound		T-N-A	V045			
Pipe	Straight Run-Fiberglass		C-N-A				
Level : 1		- Floor - Main			**Asbestos Present:** No		
Room : 003		- Office					
Floor	Carpet		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Wall	Drywall joint compound		T-N-A	V045			
Pipe	Straight Run-Fiberglass		C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : 1	- Floor - Main					**Asbestos Present:** No		
Room : 004	- Office							
Floor	Carpet			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Wall	Drywall joint compound			T-N-A	V045			
Pipe	Straight Run-Fiberglass			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** No		
Room : 005	- Office							
Floor	Carpet			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Wall	Drywall joint compound			T-N-A	V045			
Pipe	Straight Run-Fiberglass			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 006	- Cubicle Space							
Floor	Tile/Vinyl			T-N-A	V028			
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Wall	Drywall joint compound	20	Sq. M	Good	A042	Chrysotile 1.1%	A	7
Pipe	Straight Run-Fiberglass			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 007	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Wall	Drywall joint compound	9	Sq. M	Good	A043	Chrysotile 2.1%	A	7

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Pipe	Straight Run-Fiberglass		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** Yes		
Room : 008	- Office						
Floor	Tile/Vinyl		T-N-A	V028			
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Wall	Drywall joint compound	9 Sq. M	Good	V043	Chrysotile 2.1%	A	7
Pipe	Straight Run-Fiberglass		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** Yes		
Room : 009	- General Office						
Floor	Tile/Vinyl		T-N-A	V028			
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Pipe	Fittings Insulated		C-N-A				
Wall	Texture Coat		T-N-A	A044			
Floor	Tile - Quarry/Ceramic		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 010	- Meeting Room						
Floor	Carpet		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Wall	Drywall joint compound		T-N-A	V045			
Pipe	Straight Run-Fiberglass		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 011	- Office						
Floor	Tile/Vinyl		T-N-A	V028			

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Wall	Drywall joint compound		T-N-A	V045			
Pipe	Straight Run-Fiberglass		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 012	- Lunch Room						
Floor	Tile/Vinyl		T-N-A	V028			
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Wall	Drywall joint compound		T-N-A	V045			
Pipe	Straight Run-Fiberglass		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 013	- Office						
Floor	Tile/Vinyl		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Wall	Drywall joint compound		T-N-A	V045			
Pipe	Straight Run-Fiberglass		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 014	- Office						
Floor	Tile/Vinyl		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Wall	Drywall joint compound		T-N-A	V045			
Pipe	Straight Run-Fiberglass		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 015	- Office						

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Floor	Carpet			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Wall	Drywall joint compound			T-N-A	V045			
Pipe	Straight Run-Fiberglass			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 015A	- Office							
Floor	Carpet			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Wall	Drywall joint compound	9	Sq. M	Good	V042	Chrysotile 1.1%	A	7
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 015B	- Office							
Floor	Carpet			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Wall	Drywall joint compound	9	Sq. M	Good	V042	Chrysotile 1.1%	A	7
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 015C	- Office							
Floor	Carpet			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Wall	Drywall joint compound	9	Sq. M	Good	V042	Chrysotile 1.1%	A	7
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 015D	- Office							
Floor	Carpet			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Wall	Drywall joint compound	9	Sq. M	Good	V042	Chrysotile 1.1%	A	7
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 015E	- Office							
Floor	Carpet			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Wall	Drywall joint compound	9	Sq. M	Good	V042	Chrysotile 1.1%	A	7
Level : 1	- Floor - Main					**Asbestos Present:** No		
Room : 016	- Bathroom							
Floor	Tile - Quarry/Ceramic			C-N-A				
Ceiling	Drywall joint compound			T-N-A	V045			
Wall	Ceramic tile			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** No		
Room : 017	- Bathroom							
Floor	Tile - Quarry/Ceramic			C-N-A				
Ceiling	Drywall joint compound			T-N-A	V045			
Wall	Ceramic tile			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 018	- Reception Area							
Floor	Tile - Quarry/Ceramic			C-N-A				
Wall	Drywall joint compound	15	Sq. M	Good	V042	Chrysotile 1.1%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Column				T-N-A	A045			

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 018A	- Office							
Floor	Tile - Quarry/Ceramic			C-N-A				
Wall	Drywall joint compound	9	Sq. M	Good	V042	Chrysotile 1.1%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Level : 1	- Floor - Main					**Asbestos Present:** No		
Room : 018B	- Office							
Floor	Tile - Quarry/Ceramic			T-N-A	V015			
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 019	- Office							
Floor	Carpet			C-N-A				
Wall	Drywall joint compound	9	Sq. M	Good	V042	Chrysotile 1.1%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	A046			
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 020	- Office							
Floor	Carpet			C-N-A				
Wall	Drywall joint compound	9	Sq. M	Good	V042	Chrysotile 1.1%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	A047			
Wall	Block			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 021	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V042	Chrysotile 1.1%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V047			
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 022	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V042	Chrysotile 1.1%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 023	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V042	Chrysotile 1.1%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 024	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	12	Sq. M	Good	V042	Chrysotile 1.1%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V047			

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 025	- Janitor Room							
Floor	Concrete			C-N-A				
Wall	Drywall joint compound	6	Sq. M	Good	V042	Chrysotile 1.1%	A	7
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** No		
Room : 026	- Bathroom							
Floor	Tile - Quarry/Ceramic			C-N-A				
Ceiling	Drywall joint compound			T-N-A	V045			
Wall	Ceramic tile			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 027	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	12	Sq. M	Good	V042	Chrysotile 1.1%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V047			
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 028	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V042	Chrysotile 1.1%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V047			

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Wall	Block		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** Yes		
Room : 029	- Office						
Floor	Tile/Vinyl		T-N-A	V028			
Wall	Drywall joint compound	12 Sq. M	Good	V042	Chrysotile 1.1%	A	7
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Wall	Gypsum board		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** Yes		
Room : 030	- Office						
Floor	Tile/Vinyl		T-N-A	V028			
Wall	Drywall joint compound	9 Sq. M	Good	V042	Chrysotile 1.1%	A	7
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Wall	Gypsum board		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** Yes		
Room : 031	- Office						
Floor	Tile/Vinyl		T-N-A	V028			
Wall	Drywall joint compound	9 Sq. M	Good	V042	Chrysotile 1.1%	A	7
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Wall	Gypsum board		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** Yes		
Room : 032	- Office						
Floor	Tile/Vinyl		T-N-A	V028			
Wall	Drywall joint compound	9 Sq. M	Good	A048	Chrysotile 1.6%	A	7

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Wall	Gypsum board		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** Yes		
Room : 033	- First Aid Room						
Floor	Tile/Vinyl		T-N-A	V028			
Wall	Drywall joint compound	9 Sq. M	Good	V048	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Wall	Block		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** Yes		
Room : 034	- Office						
Floor	Tile/Vinyl		T-N-A	V028			
Wall	Drywall joint compound	9 Sq. M	Good	V048	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V047			
Wall	Block		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** Yes		
Room : 035	- Office						
Floor	Tile/Vinyl		T-N-A	V028			
Wall	Drywall joint compound	9 Sq. M	Good	V048	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V047			
Wall	Block		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** Yes		
Room : 036	- Office						
Floor	Tile/Vinyl		T-N-A	V028			

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Wall	Drywall joint compound	9	Sq. M	Good	V048	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V047			
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 037	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V048	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V047			
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 038	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V048	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V047			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 039	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V048	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V047			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 040	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V048	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V047			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 041	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V048	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V047			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 042	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V048	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V047			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 043	- Office							

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V048	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V047			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** No		
Room : 044	- Bathroom							
Floor	Tile - Quarry/Ceramic			C-N-A				
Ceiling	Drywall joint compound			T-N-A	V045			
Wall	Ceramic tile			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 045	- Janitor Room							
Floor	Concrete			C-N-A				
Wall	Drywall joint compound	6	Sq. M	Good	A049	Chrysotile 1.4%	A	7
Ceiling	Pre-Cast Concrete			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 046	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V048	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V047			
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 047	- Office							

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V048	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V047			
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 048	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V048	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V047			
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 049	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V048	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V047			
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 050	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V048	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V047			
Wall	Block			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 051	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V048	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V047			
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 052	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V048	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V047			
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 053	- Office							
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V047			
Wall	Block			C-N-A				
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V048	Chrysotile 1.6%	A	7
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 054	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V048	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V047			

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Wall	Block		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** Yes		
Room : 055	- Office						
Floor	Tile/Vinyl		T-N-A	V028			
Wall	Drywall joint compound	9 Sq. M	Good	A050	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V047			
Wall	Block		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 056	- Office						
Ceiling	Pre-Cast Concrete		C-N-A				
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Floor	Tile/Vinyl		T-N-A	V028			
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 057	- Laboratory						
Floor	Sheet flooring		C-N-A				
Wall	Drywall joint compound		T-N-A	V045			
Ceiling	Pre-Cast Concrete		C-N-A				
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 058	- Laboratory						
Floor	Sheet flooring		C-N-A				

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Wall	Drywall joint compound		T-N-A	V045			
Ceiling	Pre-Cast Concrete		C-N-A				
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Level : 1		- Floor - Main			**Asbestos Present:** No		
Room : 058A		- Laboratory					
Floor	Sheet flooring		C-N-A				
Wall	Drywall joint compound		T-N-A	V045			
Ceiling	Pre-Cast Concrete		C-N-A				
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Level : 1		- Floor - Main			**Asbestos Present:** No		
Room : 058B		- Office					
Floor	Sheet flooring		C-N-A				
Wall	Drywall joint compound		T-N-A	V045			
Ceiling	Pre-Cast Concrete		C-N-A				
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Level : 1		- Floor - Main			**Asbestos Present:** No		
Room : 059		- Office					
Floor	Sheet flooring		C-N-A				
Wall	Drywall joint compound		T-N-A	V045			
Ceiling	Pre-Cast Concrete		C-N-A				

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** Yes		
Room : 060	- Office						
Floor	Tile - Vinyl/Asbestos	15 Sq. M	Good	A051	Chrysotile 1.1%	A	7
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	A052			
Wall	Block		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 061	- Lunch Room						
Floor	Tile/Vinyl		T-N-A	V028			
Wall	Drywall joint compound		T-N-A	V045			
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Wall	Block		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 062	- Office						
Floor	Sheet flooring		C-N-A				
Wall	Drywall joint compound		T-N-A	V045			
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Wall	Block		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 063	- Office						
Floor	Sheet flooring		C-N-A				

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Wall	Drywall joint compound		T-N-A	V045			
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Wall	Block		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** Yes		
Room : 064	- Storage Room						
Floor	Sheet flooring		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Pipe	Fittings Insulated	1 Units	Good	V065	Chrysotile 50%	C	7
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 065	- Storage Room						
Floor	Tile/Vinyl		T-N-A	V007			
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Wall	Block		C-N-A				
Wall	Concrete		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 066	- Printing Room						
Floor	Tile/Vinyl		T-N-A	V007			
Wall	Gypsum board		C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V047			
Wall	Block			C-N-A				
Wall	Concrete			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 067	- Computer Room							
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V051	Chrysotile 1.1%	A	7
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Wall	Block			C-N-A				
Wall	Concrete			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Insulation	Insulation- Fiberglass			T-N-A	A053			
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 067A	- Computer Room							
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V051	Chrysotile 1.1%	A	7
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Wall	Block			C-N-A				
Wall	Concrete			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Insulation	Insulation- Fiberglass			T-N-A	V053			

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Level : 1	- Floor - Main				**Asbestos Present:** Yes		
Room : 068	- Office						
Floor	Tile - Vinyl/Asbestos	15 Sq. M	Good	V051	Chrysotile 1.1%	A	7
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 069	- Office						
Floor	Tile/Vinyl		T-N-A	V007			
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 070	- Office						
Floor	Tile/Vinyl		T-N-A	V007			
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 071	- Office						

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Floor	Tile/Vinyl		T-N-A	V007			
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Wall	Block		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 072	- Lunch Room						
Floor	Tile/Vinyl		T-N-A	V007			
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 073	- Office						
Floor	Tile/Vinyl		T-N-A	V007			
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Wall	Block		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 074	- Laboratory						
Floor	Tile/Vinyl		T-N-A	V007			
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Wall	Block		C-N-A				

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Ductwork	Metal - Bare		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 075	- Office						
Floor	Tile/Vinyl		T-N-A	V007			
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Wall	Block		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 076	- Office						
Floor	Tile/Vinyl		T-N-A	V007			
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Wall	Block		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 077	- Office						
Floor	Tile/Vinyl		T-N-A	V007			
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Wall	Block		C-N-A				
Wall	Drywall joint compound		T-N-A	V045			
Level : 1	- Floor - Main				**Asbestos Present:** Yes		
Room : 078	- Office						
Floor	Tile - Vinyl/Asbestos	15 Sq. M	Good	V051	Chrysotile 1.1%	A	7

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Wall	Block		C-N-A				
Wall	Concrete		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 079	- Laboratory						
Floor	Tile/Vinyl		T-N-A	V028			
Wall	Drywall joint compound		T-N-A	V045			
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V046			
Wall	Block		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** Yes		
Room : 080	- Laboratory						
Floor	Tile/Vinyl		T-N-A	V028			
Wall	Drywall joint compound		T-N-A	V045			
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Wall	Block		C-N-A				
Pipe	Fittings Insulated	4 Units	Good	V066	Chrysotile 50%	C	7
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 081	- Laboratory						
Floor	Tile/Vinyl		T-N-A	V028			
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Wall	Block		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 082	- Laboratory						
Floor	Tile/Vinyl		T-N-A	V028			
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Wall	Block		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** Yes		
Room : 083	- Laboratory						
Floor	Tile - Vinyl/Asbestos	15 Sq. M	Good	V051	Chrysotile 1.1%	A	7
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Wall	Block		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** Yes		
Room : 084	- Laboratory						
Floor	Tile/Vinyl		T-N-A	V028			
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Wall	Block		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 085	- Laboratory						
Floor	Tile/Vinyl		T-N-A	V028			
Wall	Gypsum board		C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** No		
Room : 086	- Laboratory							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Wall	Block			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 087	- Laboratory							
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V051	Chrysotile 1.1%	A	7
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Wall	Block			C-N-A				
Pipe	Fittings Insulated	2	Units	Good	V066	Chrysotile 50%	C	7
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 088	- Laboratory							
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V051	Chrysotile 1.1%	A	7
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Wall	Block			C-N-A				
Pipe	Fittings Insulated	2	Units	Good	V066	Chrysotile 50%	C	7

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Level : 1	- Floor - Main				**Asbestos Present:** Yes		
Room : 089	- Laboratory						
Floor	Tile - Vinyl/Asbestos		T-N-A	V021			
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Wall	Block		C-N-A				
Pipe	Fittings Insulated	2 Units	Good	V066	Chrysotile 50%	C	7
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 090	- Office						
Floor	Tile - Vinyl/Asbestos		T-N-A	V021			
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 091	- Bathroom						
Floor	Tile - Quarry/Ceramic		C-N-A				
Ceiling	Drywall joint compound		T-N-A	V045			
Wall	Ceramic tile		C-N-A				
Level : 1	- Floor - Main				**Asbestos Present:** No		
Room : 092	- Bathroom						
Floor	Tile - Quarry/Ceramic		C-N-A				
Ceiling	Drywall joint compound		T-N-A	V045			
Wall	Ceramic tile		C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 093	- Janitor Room							
Wall	Drywall joint compound			T-N-A	V045			
Floor	Concrete			C-N-A				
Column		6	Sq. M	Good	A055	Chrysotile 1.4%	A	7
Ceiling	Pre-Cast Concrete			C-N-A				
Column		6	Sq. M	Good	A056	Chrysotile 1.4%	A	7
Pipe	Metal			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 094	- Storage Room							
Pipe	Fittings Insulated	12	Units	Good	V065	Chrysotile 50%	C	7
Floor	Concrete			C-N-A				
Wall	Drywall joint compound			T-N-A	V045			
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Block			C-N-A				
Pipe	Fittings Insulated	9	Units	Good	V066	Chrysotile 50%	C	7
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 095	- Loading Dock							
Floor	Concrete			C-N-A				
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Block			C-N-A				
Pipe	Fittings Insulated	2	Units	Good	V066	Chrysotile 50%	C	7

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : 1	- Floor - Main					**Asbestos Present:** No		
Room : 096	- Office							
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Gypsum board			C-N-A				
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Block			C-N-A				
Floor	Tile/Vinyl			T-N-A	V007			
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 097	- Office							
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Drywall joint compound	15	Sq. M	Good	V057	Chrysotile 1.3%	A	7
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Block			C-N-A				
Pipe	Fittings Insulated	11	Units	Good	V085	Chrysotile 60%	C	7
Ductwork	Insulated			T-N-A	V067			
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 098	- Office							
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Drywall joint compound	15	Sq. M	Good	V057	Chrysotile 1.3%	A	7
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Block			C-N-A				
Pipe	Fittings Insulated	3	Units	Good	V085	Chrysotile 60%	C	7
Ductwork	Insulated			T-N-A	V067			

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 099	- Office							
Floor	Concrete			C-N-A				
Wall	Drywall joint compound	15	Sq. M	Good	A057	Chrysotile 1.3%	A	7
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Block			C-N-A				
Pipe	Fittings Insulated	6	Units	Good	V085	Chrysotile 60%	C	7
Ductwork	Insulated			T-N-A	V067			
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 100	- Laboratory							
Floor	Concrete			C-N-A				
Wall	Drywall joint compound	15	Sq. M	Good	V057	Chrysotile 1.3%	A	7
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Block			C-N-A				
Pipe	Fittings Insulated	6	Units	Good	V085	Chrysotile 60%	C	7
Ductwork	Insulated			T-N-A	V067			
Level : 1	- Floor - Main					**Asbestos Present:** No		
Room : 101	- Bathroom							
Floor	Tile - Quarry/Ceramic			C-N-A				
Ceiling	Drywall joint compound			T-N-A	V045			
Wall	Ceramic tile			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 101A	- Janitor Room							

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Floor	Concrete			C-N-A				
Ceiling	Pre-Cast Concrete			C-N-A				
Pipe	Fittings Insulated	1	Units	Good	V066	Chrysotile 60%	B	7
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 102	- Boiler Room							
Floor	Concrete			C-N-A				
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Block			C-N-A				
Ductwork	Insulated			T-N-A	A061			
Ductwork	Insulated	1	Units	Poor	A062	Chrysotile 20%	C	6
Ductwork	Insulated	1	Units	Poor	A063	Chrysotile 40%	C	6
Ductwork	Insulated			T-N-A	A064			
Pipe	Fittings Insulated - Fibreglass			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** No		
Room : 102A	- Electrical Room							
Floor	Concrete			C-N-A				
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Block			C-N-A				
Ductwork	Insulated			T-N-A	V067			
Wall	Sealant			T-N-A	V017			
Pipe	Metal			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 103	- Control Room							

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Floor	Concrete			C-N-A				
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Block			C-N-A				
Wall	Sealant			T-N-A	V017			
Pipe	Fittings Insulated	4	Units	Poor	V066	Chrysotile 50%	C	6
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : 104	- Soil Mixing Lab							
Floor	Concrete			C-N-A				
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Block			C-N-A				
Pipe	Fittings Insulated	3	Units	Good	A065	Chrysotile 50%	C	7
Pipe	Fittings Insulated	17	Units	Good	A066	Chrysotile 50%	C	7
Ductwork	Insulated			T-N-A	A067			
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : EXT	- Greenhouse							
Wall	Sealant			T-N-A	A058			
Wall	Sealant	0	Metre(s)	Good	A059	Chrysotile 1.2%	B	7
Wall	Sealant	0	Metre(s)	Good	A060	Chrysotile 1.2%	B	7
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : HW001	- Hallway							
Pipe	Fittings Insulated	8	Units	Poor	A033	Chrysotile 10%	C	6
Wall	Texture Coat			T-N-A	A032			
Floor	Tile/Vinyl			T-N-A	V007			

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Wall	Block			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Pipe	Fittings Insulated			T-N-A	A031			
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : HW002	- Hallway							
Floor	Tile/Vinyl			T-N-A	V007			
Wall	Block			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Pipe	Fittings Insulated	3	Units	Good	V054	Chrysotile 10%	C	7
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : HW003	- Hallway							
Floor	Tile/Vinyl			T-N-A	V007			
Wall	Block			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Pipe	Fittings Insulated	15	Units	Good	A054	Chrysotile 10%	C	7
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : HW004	- Hallway							
Floor	Tile/Vinyl			T-N-A	V007			
Wall	Block			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Pipe	Fittings Insulated	15	Units	Good	V054	Chrysotile 10%	C	7
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : HW005	- Hallway							

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Pipe	Fittings Insulated	3	Units	Good	V054	Chrysotile 10%	C	7
Floor	Tile/Vinyl			T-N-A	V007			
Wall	Block			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Pipe	Straight Run-Fiberglass			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : HW006	- Hallway							
Floor	Tile/Vinyl			T-N-A	V007			
Wall	Block			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Pipe	Fittings Insulated	15	Units	Good	V054	Chrysotile 10%	C	7
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : HW007	- Hallway							
Floor	Tile/Vinyl			T-N-A	V007			
Wall	Block			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Pipe	Fittings Insulated	4	Units	Good	V054	Chrysotile 10%	C	7
Wall	Texture Coat			T-N-A	V044			
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : HW008	- Hallway							
Pipe	Fittings Insulated	12	Units	Good	V0041	Chrysotile 10%	C	7
Floor	Tile/Vinyl			T-N-A	V007			
Wall	Block			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V046			
Pipe	Fittings Insulated	6	Units	Good	V054	Chrysotile 10%	C	7
Ductwork	Metal - Bare			C-N-A				
Wall	Parging			T-N-A	A074			
Wall	Sealant	0	Metre(s)	Good	A072	Chrysotile 1.2%	A	7
Wall	Sealant	0	Metre(s)	Good	A073	Chrysotile 1.3%	A	7
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : SC001	- Service Corridor							
Ductwork	Duct Sealant	1	Units	Good	A075	Chrysotile 2.7%	B	7
Wall	Block			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Pipe	Metal			C-N-A				
Ductwork	Flexible Joint	1	Units	P-A				
Pipe		4	Units	P-A				
Floor	Steel (Structural or otherwise)			C-N-A				
Level : 1	- Floor - Main					**Asbestos Present:** Yes		
Room : SC002	- Service Corridor							
Ductwork	Duct Sealant	1	Units	Good	V075	Chrysotile 2.7%	B	7
Wall	Block			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Pipe	Metal			C-N-A				
Ductwork	Flexible Joint	4	Units	P-A				
Floor	Steel (Structural or otherwise)			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Wall	Sealant			T-N-A	V017			
Wall	Transite Board	2	Sq. M	Fair	V110	Chrysotile 25%	B	7
Level : 1	- Floor - Main					**Asbestos Present:** No		
Room : SW001	- Stairwell							
Floor	Tile/Vinyl			T-N-A	V015			
Wall	Texture Coat			T-N-A	V016			
Ceiling	Textured Coat			T-N-A	V016			
Level : 1	- Floor - Main					**Asbestos Present:** No		
Room : SW002	- Stairwell							
Floor	Tile/Vinyl			T-N-A	V015			
Wall	Texture Coat			T-N-A	V016			
Ceiling	Textured Coat			T-N-A	V016			
Level : 1	- Floor - Main					**Asbestos Present:** No		
Room : SW003	- Stairwell							
Floor	Tile/Vinyl			T-N-A	V007			
Wall	Texture Coat			T-N-A	V016			
Ceiling	Textured Coat			T-N-A	V016			
Level : 1	- Floor - Main					**Asbestos Present:** No		
Room : SW004	- Stairwell							
Floor	Tile/Vinyl			T-N-A	V007			
Wall	Texture Coat			T-N-A	V016			
Ceiling	Textured Coat			T-N-A	V016			

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 001	- Office							
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 002	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	A076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 003	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 004	- Office							

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 005	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 006	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 007	- Janitor Room							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	7	Sq. M	Good	A077	Chrysotile 1.5%	A	7

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** No		
Room : 007A	- Bathroom							
Floor	Tile - Quarry/Ceramic			C-N-A				
Wall	Ceramic tile			C-N-A				
Ceiling	Drywall joint compound			T-N-A	V045			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 008	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 009	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 010	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 011	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 012	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 013	- Library							

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	20	Sq. M	Good	A078	Chrysotile 1.7%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Column				T-N-A	A079			
Column				T-N-A	A080			
Floor	Carpet			C-N-A				
Ductwork	Flexible Joint			C-N-A				
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 014	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	A081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 015	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 016	- Office							
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 017	- Office							
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 018	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 019	- Office							

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 020	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	9	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 021	- Office							
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 022	- Office							
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** No		
Room : 023	- Bathroom							
Floor	Tile - Quarry/Ceramic			C-N-A				
Wall	Ceramic tile			C-N-A				
Ceiling	Drywall joint compound			T-N-A	V045			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 024	- Janitor Room							
Floor	Concrete			C-N-A				
Wall	Drywall joint compound	5	Sq. M	Good	A084	Chrysotile 2.1%	A	7
Wall	Block			C-N-A				
Wall	Concrete			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 025	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	12	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 026	- Office							
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 027	- Office							
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Drywall joint compound	9	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 028	- Office							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 029	- Office							

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 030	- Office							
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 031	- Office							
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 032	- Office							
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Drywall joint compound	7	Sq. M	Good	V081	Chrysotile 1.8%	A	7

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Level : 2	- Second Floor				**Asbestos Present:** Yes		
Room : 033	- Office						
Floor	Tile/Vinyl		T-N-A	V028			
Wall	Drywall joint compound	9 Sq. M	Good	V081	Chrysotile 1.8%	A	7
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Level : 2	- Second Floor				**Asbestos Present:** No		
Room : 034	- Office						
Floor	Carpet		C-N-A				
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Level : 2	- Second Floor				**Asbestos Present:** No		
Room : 035	- Office						
Floor	Carpet		C-N-A				
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Level : 2		- Second Floor			**Asbestos Present:** No		
Room : 036		- Office					
Floor	Carpet		C-N-A				
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Level : 2		- Second Floor			**Asbestos Present:** No		
Room : 037		- Office					
Floor	Carpet		C-N-A				
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Ductwork	Metal - Bare		C-N-A				
Level : 2		- Second Floor			**Asbestos Present:** No		
Room : 038		- Office					
Floor	Carpet		C-N-A				
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Level : 2		- Second Floor			**Asbestos Present:** No		
Room : 039		- Lunch Room					
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Floor	Tile/Vinyl		T-N-A	V021			
Level : 2	- Second Floor				**Asbestos Present:** No		
Room : 040	- Office						
Floor	Carpet		C-N-A				
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Level : 2	- Second Floor				**Asbestos Present:** No		
Room : 041	- Office						
Floor	Tile/Vinyl		T-N-A	V021			
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Level : 2	- Second Floor				**Asbestos Present:** No		
Room : 042	- Office						
Floor	Tile/Vinyl		T-N-A	V021			
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Level : 2	- Second Floor				**Asbestos Present:** Yes		
Room : 043	- Laboratory						
Floor	Tile - Vinyl/Asbestos	15 Sq. M	Good	V051	Chrysotile 1.1%	A	7

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Ductwork	Metal - Bare			C-N-A				
Pipe	Fittings Insulated	1	Units	Good	V085	Chrysotile 60%	C	7
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 044	- Laboratory							
Floor	Tile - Vinyl/Asbestos	20	Sq. M	Good	V051	Chrysotile 1.1%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Ductwork	Metal - Bare			C-N-A				
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 044A	- Laboratory							
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V051	Chrysotile 1.1%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 045	- Laboratory							
Floor	Tile - Vinyl/Asbestos	20	Sq. M	Good	V051	Chrysotile 1.1%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Ductwork	Metal - Bare			C-N-A				
Pipe	Fittings Insulated - Fibreglass			C-N-A				
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 046	- Laboratory							
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V051	Chrysotile 1.1%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Ductwork	Metal - Bare			C-N-A				
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 047	- Laboratory							
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Pipe	Fittings Insulated	2	Units	Good	A085	Chrysotile 60%	C	7
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 048	- Laboratory							
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V051	Chrysotile 1.1%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ductwork	Metal - Bare			C-N-A				
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 049	- Laboratory							
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V051	Chrysotile 1.1%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Ductwork	Metal - Bare			C-N-A				
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 050	- Laboratory							
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V051	Chrysotile 1.1%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Ductwork	Metal - Bare			C-N-A				
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 051	- Laboratory							
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V051	Chrysotile 1.1%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Ductwork	Metal - Bare			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 052	- Laboratory							
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V051	Chrysotile 1.1%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Ductwork	Metal - Bare			C-N-A				
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : 053	- Laboratory							
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V051	Chrysotile 1.1%	A	7
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Ductwork	Metal - Bare			C-N-A				
Level : 2	- Second Floor					**Asbestos Present:** No		
Room : 054	- Printing Room							
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2	- Second Floor					**Asbestos Present:** No		
Room : 055	- Office							
Floor	Tile/Vinyl			T-N-A	V021			

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Level : 2	- Second Floor				**Asbestos Present:** No		
Room : 055A	- Office						
Floor	Tile/Vinyl		T-N-A	V021			
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Level : 2	- Second Floor				**Asbestos Present:** No		
Room : 055B	- Storage Room						
Floor	Tile/Vinyl		T-N-A	V021			
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Level : 2	- Second Floor				**Asbestos Present:** No		
Room : 055C	- Office						
Floor	Tile/Vinyl		T-N-A	V021			
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Level : 2	- Second Floor				**Asbestos Present:** Yes		
Room : 056	- Laboratory						
Floor	Tile - Vinyl/Asbestos	15 Sq. M	Good	V051	Chrysotile 1.1%	A	7
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Ductwork	Metal - Bare		C-N-A				
Level : 2		- Second Floor			**Asbestos Present:** No		
Room : 057		- Laboratory					
Floor	Carpet		C-N-A				
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Ductwork	Metal - Bare		C-N-A				
Level : 2		- Second Floor			**Asbestos Present:** No		
Room : 058		- Board Room					
Floor	Tile/Vinyl		T-N-A	V021			
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Ductwork	Metal - Bare		C-N-A				
Level : 2		- Second Floor			**Asbestos Present:** No		
Room : 059		- Office					
Floor	Carpet		C-N-A				
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Ductwork	Metal - Bare		C-N-A				

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Level : 2		- Second Floor			**Asbestos Present:** No		
Room : 060		- Office					
Floor	Carpet		C-N-A				
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Ductwork	Metal - Bare		C-N-A				
Level : 2		- Second Floor			**Asbestos Present:** No		
Room : 061		- Office					
Floor	Carpet		C-N-A				
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V052			
Ductwork	Metal - Bare		C-N-A				
Level : 2		- Second Floor			**Asbestos Present:** No		
Room : 062		- Office					
Floor	Carpet		C-N-A				
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Ductwork	Metal - Bare		C-N-A				
Level : 2		- Second Floor			**Asbestos Present:** No		
Room : 063		- Office					

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Floor	Carpet		C-N-A				
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Ductwork	Metal - Bare		C-N-A				
Level : 2	- Second Floor				**Asbestos Present:** No		
Room : 064	- Office						
Floor	Carpet		C-N-A				
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Ductwork	Metal - Bare		C-N-A				
Level : 2	- Second Floor				**Asbestos Present:** Yes		
Room : 065	- Library Annex						
Floor	Tile - Vinyl/Asbestos	15 Sq. M	Good	V051	Chrysotile 1.1%	A	7
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Ductwork	Metal - Bare		C-N-A				
Level : 2	- Second Floor				**Asbestos Present:** No		
Room : 066	- Bathroom						
Floor	Tile - Quarry/Ceramic		C-N-A				
Wall	Ceramic tile		C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ceiling	Drywall joint compound			T-N-A	V045			
Level : 2	- Second Floor					**Asbestos Present:** No		
Room : 067	- Bathroom							
Floor	Tile - Quarry/Ceramic			C-N-A				
Wall	Ceramic tile			C-N-A				
Ceiling	Drywall joint compound			T-N-A	V045			
Level : 2	- Second Floor					**Asbestos Present:** No		
Room : 068	- Electrical Room							
Column		3	Sq. M	Good	V055	Chrysotile 1.6%	B	7
Wall	Concrete			C-N-A				
Ceiling	Pre-Cast Concrete			C-N-A				
Floor	Concrete			C-N-A				
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : HW001	- Hallway							
Ductwork	Duct Sealant	1	Units	Good	V088	Chrysotile 2.9%	C	7
Pipe	Fittings Insulated	10	Units	Good	A086	Chrysotile 15%	C	7
Wall	Block			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Wall	Texture Coat			T-N-A	A087			
Floor	Tile/Vinyl			T-N-A	V015			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : HW002	- Hallway							
Pipe	Fittings Insulated	1	Units	Good	V086	Chrysotile 15%	C	7

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Wall	Block			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Floor	Tile/Vinyl			T-N-A	V015			
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : HW003	- Hallway							
Pipe	Fittings Insulated	10	Units	Good	V086	Chrysotile 15%	C	7
Wall	Block			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Floor	Tile/Vinyl			T-N-A	V015			
Ductwork	Flexible Joint			C-N-A				
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : HW004	- Hallway							
Pipe	Fittings Insulated	3	Units	Good	V086	Chrysotile 15%	C	7
Wall	Block			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Floor	Tile/Vinyl			T-N-A	V015			
Ductwork	Duct Sealant	1	Units	Good	A088	Chrysotile 2.9%	C	7
Ductwork	Duct Sealant	1	Units	Good	A089	Chrysotile 3.1%	C	7
Ductwork	Duct Sealant	1	Units	Good	A090	Chrysotile 2%	C	7
Level : 2	- Second Floor					**Asbestos Present:** Yes		
Room : HW005	- Hallway							
Pipe	Fittings Insulated	4	Units	Poor	A091	Chrysotile 15%	C	6
Wall	Block			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Floor	Tile/Vinyl			T-N-A	V015			
Level : 2	- Second Floor					**Asbestos Present:**	Yes	
Room : HW006	- Hallway							
Pipe	Fittings Insulated	6	Units	Good	V091	Chrysotile 15%	C	7
Wall	Block			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Floor	Tile/Vinyl			T-N-A	V015			
Level : 2	- Second Floor					**Asbestos Present:**	Yes	
Room : HW007	- Hallway							
Pipe	Fittings Insulated	24	Units	Poor	V091	Chrysotile 15%	C	3
Wall	Block			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Floor	Tile/Vinyl			T-N-A	V015			
Level : 2	- Second Floor					**Asbestos Present:**	Yes	
Room : SC001	- Service Corridor							
Floor	Steel (Structural or otherwise)			C-N-A				
Wall	Block			C-N-A				
Ductwork	Duct Sealant	1	Units	Good	V089	Chrysotile 3.1%	B	7
Pipe	Cementitious pipe	4	Units	P-A				
Wall	Transite Board	4	Sq. M	Good	V110	Chrysotile 25%	B	7
Level : 2	- Second Floor					**Asbestos Present:**	Yes	
Room : SC002	- Service Corridor							

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Floor	Steel (Structural or otherwise)			C-N-A				
Wall	Block			C-N-A				
Ductwork	Duct Sealant	1	Units	Good	V089	Chrysotile 3.1%	B	7
Pipe	Fittings Insulated	10	Units	Good	V100	Chrysotile 10%	B	7
Pipe	Cementitious pipe	2	Units	P-A				
Wall	Transite Board	4	Sq. M	Good	V110	Chrysotile 25%	B	7
Level : 2 - Second Floor						**Asbestos Present:** Yes		
Room : SW002 - Stairwell								
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V082	Chrysotile 1.2%	A	7
Wall	Block			C-N-A				
Wall	Texture Coat			T-N-A	V083			
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2 - Second Floor						**Asbestos Present:** Yes		
Room : SW003 - Stairwell								
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	A082	Chrysotile 1.2%	A	7
Wall	Block			C-N-A				
Wall	Texture Coat			T-N-A	A083			
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Level : 2 - Second Floor						**Asbestos Present:** No		
Room : SW004 - Stairwell								
Level : 3 - Third Floor						**Asbestos Present:** Yes		
Room : 001 - Office								
Wall	Drywall joint compound	9	Sq. M	Good	V093	Chrysotile 1.6%	A	7

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	A094			
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 002	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V093	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 003	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V093	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 004	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V093	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V021			

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 005	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V093	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 006	- Office							
Wall	Drywall joint compound	9	Sq. M	Good	V093	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 007	- Janitor Room							
Ceiling	Drywall joint compound	4	Sq. M	Good	A092	Chrysotile 1.7%	A	7
Wall	Block			C-N-A				
Floor	Concrete			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** No		
Room : 008	- Bathroom							

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ceiling	Drywall joint compound			T-N-A	V045			
Wall	Ceramic tile			C-N-A				
Floor	Tile - Quarry/Ceramic			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 009	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V093	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 010	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V093	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 011	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	A093	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Gypsum board			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 012	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V093	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 013	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V093	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 014	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V093	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Level : 3	- Third Floor				**Asbestos Present:** Yes		
Room : 015	- Office						
Wall	Block		C-N-A				
Wall	Drywall joint compound	7 Sq. M	Good	V093	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	A094			
Floor	Tile/Vinyl		T-N-A	V028			
Wall	Gypsum board		C-N-A				
Level : 3	- Third Floor				**Asbestos Present:** Yes		
Room : 016	- Office						
Wall	Drywall joint compound	7 Sq. M	Good	V093	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Floor	Tile/Vinyl		T-N-A	V021			
Wall	Gypsum board		C-N-A				
Wall	Block		C-N-A				
Level : 3	- Third Floor				**Asbestos Present:** Yes		
Room : 017	- Office						
Wall	Drywall joint compound	7 Sq. M	Good	V093	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Floor	Tile/Vinyl		T-N-A	V021			
Wall	Gypsum board		C-N-A				
Wall	Block		C-N-A				
Level : 3	- Third Floor				**Asbestos Present:** Yes		
Room : 018	- Office						

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Wall	Drywall joint compound	7	Sq. M	Good	V093	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 019	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V093	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 020	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V093	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 021	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V093	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 022	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	A095	Chrysotile 1.7%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 023	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V095	Chrysotile 1.7%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 024	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V095	Chrysotile 1.7%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Gypsum board			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** No		
Room : 025	- Bathroom							
Ceiling	Drywall joint compound			T-N-A	V045			
Wall	Ceramic tile			C-N-A				
Floor	Tile - Quarry/Ceramic			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 026	- Janitor Room							
Wall	Block			C-N-A				
Floor	Concrete			C-N-A				
Wall	Drywall joint compound	4	Sq. M	Good	A096	Chrysotile 1.8%	B	7
Ceiling	Pre-Cast Concrete			C-N-A				
Ductwork	Insulated			T-N-A	V067			
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 027	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V095	Chrysotile 1.7%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 028	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V095	Chrysotile 1.7%	A	7

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 029	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V095	Chrysotile 1.7%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 030	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V095	Chrysotile 1.7%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 031	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V095	Chrysotile 1.7%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V028			

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 032	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V095	Chrysotile 1.7%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 033	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V095	Chrysotile 1.7%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 034	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V095	Chrysotile 1.7%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 035	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V095	Chrysotile 1.7%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 036	- Office							
Wall	Drywall joint compound	7	Sq. M	Good	V095	Chrysotile 1.7%	A	7
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 037	- Laboratory							
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Pipe	Metal			C-N-A				

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Level : 3	- Third Floor				**Asbestos Present:** Yes		
Room : 038	- Laboratory						
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Floor	Tile - Vinyl/Asbestos	15 Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Gypsum board		C-N-A				
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Pipe	Metal		C-N-A				
Level : 3	- Third Floor				**Asbestos Present:** Yes		
Room : 039	- Laboratory						
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Floor	Tile - Vinyl/Asbestos	15 Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Gypsum board		C-N-A				
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Pipe	Metal		C-N-A				
Level : 3	- Third Floor				**Asbestos Present:** Yes		
Room : 040	- Laboratory						
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Floor	Tile - Vinyl/Asbestos	15 Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Gypsum board		C-N-A				
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Pipe	Metal			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 041	- Laboratory							
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Pipe	Fittings Insulated	4	Units	Good	V100	Chrysotile 10%	C	7
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 042	- Laboratory							
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile - Vinyl/Asbestos	25	Sq. M	Good	A097	Chrysotile 1.2%	A	7
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Pipe	Metal			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** No		
Room : 043	- Office							
Wall	Drywall joint compound			T-N-A	V045			
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Gypsum board			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 044	- Laboratory							
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile - Vinyl/Asbestos	25	Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Pipe	Metal			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 045	- Laboratory							
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Pipe	Metal			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 046	- Laboratory							
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile - Vinyl/Asbestos	25	Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ductwork	Metal - Bare			C-N-A				
Pipe	Metal			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 047	- Laboratory							
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Drywall joint compound			T-N-A	V045			
Wall	Block			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** No		
Room : 048	- Storage Room							
Wall	Drywall joint compound			T-N-A	V045			
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Floor	Carpet			C-N-A				
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 049	- Laboratory							
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V076			
Floor	Tile - Vinyl/Asbestos	25	Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Concrete			C-N-A				
Wall	Block			C-N-A				

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Ductwork	Metal - Bare		C-N-A				
Pipe	Metal		C-N-A				
Level : 3	- Third Floor				**Asbestos Present:** Yes		
Room : 049A	- Laboratory						
Ceiling	Textured Coat		T-N-A	A098			
Floor	Tile - Vinyl/Asbestos	3 Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Pipe	Metal		C-N-A				
Level : 3	- Third Floor				**Asbestos Present:** No		
Room : 050	- Office						
Wall	Drywall joint compound		T-N-A	V045			
Ceiling	Acoustical Tile - 24" by 60"		T-N-A	V076			
Floor	Tile/Vinyl		T-N-A	V028			
Wall	Gypsum board		C-N-A				
Wall	Block		C-N-A				
Level : 3	- Third Floor				**Asbestos Present:** No		
Room : 051	- Lunch Room						
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Floor	Tile/Vinyl		T-N-A	V028			
Wall	Gypsum board		C-N-A				
Wall	Block		C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 052	- Storage Room							
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V052			
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Pipe	Fittings Insulated	2	Units	Good	V100	Chrysotile 10%	C	7
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 053	- Laboratory							
Ceiling	Acoustical Tile - 24" by 60"			T-N-A	V052			
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Pipe	Fittings Insulated	2	Units	Good	V100	Chrysotile 10%	C	7
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 054	- Laboratory							
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Block			C-N-A				
Ductwork	Metal - Bare			C-N-A				

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Level : 3	- Third Floor				**Asbestos Present:** No		
Room : 055	- Laboratory						
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Floor	Concrete		C-N-A				
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Wall	Drywall joint compound		T-N-A	A099			
Level : 3	- Third Floor				**Asbestos Present:** No		
Room : 056	- Office						
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Floor	Tile/Vinyl		T-N-A	V007			
Wall	Gypsum board		C-N-A				
Wall	Block		C-N-A				
Level : 3	- Third Floor				**Asbestos Present:** Yes		
Room : 057	- Office						
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Floor	Tile - Vinyl/Asbestos	15 Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Wall	Gypsum board		C-N-A				
Level : 3	- Third Floor				**Asbestos Present:** No		
Room : 057A	- Office						
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Floor	Tile/Vinyl			T-N-A	V007			
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 058	- Laboratory							
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Block			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Pipe	Fittings Insulated	2	Units	Good	V100	Chrysotile 10%	C	7
Level : 3	- Third Floor					**Asbestos Present:** No		
Room : 059	- Board Room							
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Floor	Carpet			C-N-A				
Wall	Gypsum board			C-N-A				
Wall	Block			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 060	- Office							
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Block			C-N-A				
Ductwork	Metal - Bare			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Wall	Gypsum board			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 061	- Office							
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Block			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Wall	Gypsum board			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 062	- Office							
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Block			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Wall	Gypsum board			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : 063	- Office							
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Block			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Wall	Gypsum board			C-N-A				

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Level : 3	- Third Floor				**Asbestos Present:** Yes		
Room : 064	- Office						
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Floor	Tile - Vinyl/Asbestos	15 Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Wall	Gypsum board		C-N-A				
Level : 3	- Third Floor				**Asbestos Present:** Yes		
Room : 065	- Laboratory						
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Floor	Tile - Vinyl/Asbestos	15 Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Block		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Level : 3	- Third Floor				**Asbestos Present:** Yes		
Room : 066	- Laboratory						
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Floor	Tile - Vinyl/Asbestos	15 Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Block		C-N-A				
Ductwork	Flexible Joint		C-N-A				
Level : 3	- Third Floor				**Asbestos Present:** Yes		
Room : 067	- Laboratory						
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Floor	Tile - Vinyl/Asbestos	15 Sq. M	Good	V097	Chrysotile 1.2%	A	7

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Wall	Block		C-N-A				
Ductwork	Flexible Joint		C-N-A				
Level : 3		- Third Floor			**Asbestos Present:** No		
Room : 068		- Laboratory					
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Floor	Tile/Vinyl		T-N-A	V021			
Wall	Block		C-N-A				
Ductwork	Flexible Joint		C-N-A				
Level : 3		- Third Floor			**Asbestos Present:** No		
Room : 069		- Laboratory					
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Floor	Tile/Vinyl		T-N-A	V021			
Wall	Block		C-N-A				
Ductwork	Flexible Joint		C-N-A				
Level : 3		- Third Floor			**Asbestos Present:** No		
Room : 070		- Office					
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Floor	Carpet		C-N-A				
Wall	Block		C-N-A				
Ductwork	Flexible Joint		C-N-A				
Level : 3		- Third Floor			**Asbestos Present:** No		
Room : 070A		- Office					
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Floor	Carpet		C-N-A				
Wall	Block		C-N-A				
Ductwork	Flexible Joint		C-N-A				
Level : 3	- Third Floor				**Asbestos Present:** No		
Room : 071	- Office						
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Floor	Tile/Vinyl		T-N-A	V021			
Wall	Block		C-N-A				
Ductwork	Flexible Joint		C-N-A				
Level : 3	- Third Floor				**Asbestos Present:** Yes		
Room : 072	- Laboratory						
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V052			
Floor	Tile - Vinyl/Asbestos	15 Sq. M	Good	V097	Chrysotile 1.2%	A	7
Wall	Block		C-N-A				
Ductwork	Flexible Joint		C-N-A				
Wall	Gypsum board		C-N-A				
Level : 3	- Third Floor				**Asbestos Present:** Yes		
Room : 073	- Janitor Room						
Ceiling	Pre-Cast Concrete		C-N-A				
Wall	Concrete		C-N-A				
Floor	Concrete		C-N-A				
Column		2 Sq. M	Good	A102	Chrysotile 1.6%	B	7

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : 3	- Third Floor					**Asbestos Present:** No		
Room : 074	- Bathroom							
Ceiling	Drywall joint compound			T-N-A	V045			
Wall	Ceramic tile			C-N-A				
Floor	Tile - Quarry/Ceramic			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** No		
Room : 075	- Bathroom							
Ceiling	Drywall joint compound			T-N-A	V045			
Wall	Ceramic tile			C-N-A				
Floor	Tile - Quarry/Ceramic			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : HW001	- Hallway							
Floor	Tile - Vinyl/Asbestos	70	Sq. M	Good	V082	Chrysotile 1.2%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Pipe	Fittings Insulated	5	Units	Good	A100	Chrysotile 10%	C	7
Ductwork	Duct Sealant	1	Units	Good	V090	Chrysotile 2%	C	7
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : HW002	- Hallway							
Floor	Tile - Vinyl/Asbestos	40	Sq. M	Good	V082	Chrysotile 1.2%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Pipe	Straight Run-Fiberglass			C-N-A				
Wall	Block			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : HW003	- Hallway							
Floor	Tile - Vinyl/Asbestos	70	Sq. M	Good	V082	Chrysotile 1.2%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Pipe	Fittings Insulated	5	Units	Good	V100	Chrysotile 10%	C	7
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : HW004	- Hallway							
Floor	Tile - Vinyl/Asbestos	110	Sq. M	Good	V082	Chrysotile 1.2%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Pipe	Fittings Insulated	5	Units	Good	V100	Chrysotile 10%	C	7
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : HW005	- Hallway							
Floor	Tile - Vinyl/Asbestos	40	Sq. M	Good	V082	Chrysotile 1.2%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Pipe	Straight Run-Fiberglass			C-N-A				
Wall	Block			C-N-A				
Wall	Texture Coat			T-N-A	V083			
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : HW006	- Hallway							
Ductwork	Duct Sealant	1	Units	Good	V089	Chrysotile 3.1%	C	7
Floor	Tile - Vinyl/Asbestos	110	Sq. M	Good	V082	Chrysotile 1.2%	A	7

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Pipe	Fittings Insulated	5	Units	Good	V100	Chrysotile 10%	C	7
Wall	Block			C-N-A				
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : HW007	- Hallway							
Ductwork	Duct Sealant	1	Units	Good	V089	Chrysotile 3.1%	C	7
Floor	Tile - Vinyl/Asbestos	40	Sq. M	Good	V082	Chrysotile 1.2%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V052			
Pipe	Fittings Insulated	4	Units	Good	A101	Chrysotile 10%	C	7
Wall	Block			C-N-A				
Wall	Texture Coat			T-N-A	V083			
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : SC001	- Service Corridor							
Floor	Steel (Structural or otherwise)			C-N-A				
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Block			C-N-A				
Ductwork	Duct Sealant	1	Units	Good	V089	Chrysotile 3.1%	B	7
Pipe	Fittings Insulated	2	Units	Good	V100	Chrysotile 10%	B	7
Level : 3	- Third Floor					**Asbestos Present:** Yes		
Room : SC002	- Service Corridor							
Floor	Steel (Structural or otherwise)			C-N-A				
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Block			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ductwork	Duct Sealant	1	Units	Good	V089	Chrysotile 3.1%	B	7
Pipe	Fittings Insulated	10	Units	Good	V100	Chrysotile 10%	B	7
Wall	Transite Board	6	Sq. M	Good				
Level : 3 - Third Floor						**Asbestos Present:** Yes		
Room : SW002 - Stairwell								
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V082	Chrysotile 1.2%	A	7
Wall	Texture Coat			T-N-A	V098			
Ceiling	Textured Coat			T-N-A	V098			
Pipe	Fittings Insulated	4	Units	Good	V100	Chrysotile 10%	C	7
Level : 3 - Third Floor						**Asbestos Present:** Yes		
Room : SW003 - Stairwell								
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V082	Chrysotile 1.2%	A	7
Wall	Texture Coat			T-N-A	V098			
Ceiling	Textured Coat			T-N-A	V098			
Pipe	Fittings Insulated	4	Units	Good	V100	Chrysotile 10%	C	7
Level : 3 - Third Floor						**Asbestos Present:** Yes		
Room : SW004 - Stairwell								
Floor	Tile - Vinyl/Asbestos	15	Sq. M	Good	V082	Chrysotile 1.2%	A	7
Wall	Texture Coat			T-N-A	V098			
Ceiling	Textured Coat			T-N-A	V098			
Level : B - Basement						**Asbestos Present:** Yes		
Room : 001 - Storage Room								
Ceiling	Pre-Cast Concrete			C-N-A				

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Floor	Concrete		C-N-A				
Wall	Concrete		C-N-A				
Pipe	Fittings Insulated	9 Units	Good	A001	Chrysotile 40%	C	7
Pipe	Insulated - Fibreglass		T-N-A	A002			
Wall	Parging		T-N-A	A003			

Level : B - Basement **Asbestos Present:** No
Room : 002 - Electrical Room

Floor	Concrete		C-N-A				
Wall	Concrete		C-N-A				
Ceiling	Pre-Cast Concrete		C-N-A				
Wall	Block		C-N-A				
Wall	Parging		T-N-A	A006			
Pipe	Metal		C-N-A				
Ductwork	Metal - Bare		C-N-A				

Level : B - Basement **Asbestos Present:** No
Room : 003 - Storage Room

Floor	Tile/Vinyl		T-N-A	A007			
Wall	Concrete		C-N-A				
Ceiling	Metal - Decoratiive		C-N-A				
Wall	Block		C-N-A				
Wall	Parging		T-N-A	V004			
Pipe	Metal		C-N-A				
Ductwork	Metal - Bare		C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 004	- Storage Room							
Floor	Carpet			C-N-A				
Wall	Drywall joint compound	12	Sq. M	Good	V011	Chrysotile 1.6%	A	7
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Concrete			C-N-A				
Wall	Parging			T-N-A	V004			
Pipe	Fittings Insulated	5	Units	Good	V001	Chrysotile 40%	C	7
Ductwork	Metal - Bare			C-N-A				
Floor	Concrete			C-N-A				
Ductwork	Duct Sealant	1	Units	Good	V034	Chrysotile 1.5%	A	7
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 005	- Conference Room							
Floor	Carpet			C-N-A				
Wall	Drywall joint compound	12	Sq. M	Good	V011	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	A008			
Wall	Concrete			C-N-A				
Wall	Parging			T-N-A	V004			
Pipe	Fittings Insulated	11	Units	Good	V001	Chrysotile 40%	C	7
Ductwork	Metal - Bare			C-N-A				
Pipe	Metal			C-N-A				
Ductwork	Insulated			T-N-A	A009			

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 006	- Bathroom							
Floor	Tile - Quarry/Ceramic			C-N-A				
Wall	Drywall joint compound	9	Sq. M	Good	V011	Chrysotile 1.6%	A	7
Ceiling	Drywall joint compound			C-N-A				
Wall	Ceramic tile			C-N-A				
Pipe	Metal			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 007	- Bathroom							
Floor	Tile - Quarry/Ceramic			C-N-A				
Wall	Drywall joint compound	9	Sq. M	Good	V011	Chrysotile 1.6%	A	7
Ceiling	Drywall joint compound			C-N-A				
Wall	Ceramic tile			C-N-A				
Pipe	Metal			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 008	- Storage Room							
Floor	Tile/Vinyl			T-N-A	A010			
Wall	Drywall joint compound	9	Sq. M	Good	V011	Chrysotile 1.6%	A	7
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	A012			
Wall	Ceramic tile			C-N-A				
Pipe	Metal			C-N-A				
Column		2	Sq. M	Good	A011	Chrysotile 1.8%	A	7
Ceiling	Drywall joint compound	20	Sq. M	Poor	V014	Chrysotile 1.5%	C	3

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Level : B	- Basement				**Asbestos Present:** Yes		
Room : 009	- Locker Room						
Floor	Tile - Quarry/Ceramic		C-N-A				
Wall	Drywall joint compound	6 Sq. M	Good	V011	Chrysotile 1.6%	A	7
Ceiling	Drywall joint compound		C-N-A				
Wall	Ceramic tile		C-N-A				
Pipe	Metal		C-N-A				
Level : B	- Basement				**Asbestos Present:** Yes		
Room : 010	- Locker Room						
Floor	Tile - Quarry/Ceramic		C-N-A				
Wall	Drywall joint compound	6 Sq. M	Good	V011	Chrysotile 1.6%	A	7
Ceiling	Drywall joint compound		C-N-A				
Wall	Ceramic tile		C-N-A				
Pipe	Metal		C-N-A				
Level : B	- Basement				**Asbestos Present:** Yes		
Room : 011	- Locker Room						
Floor	Tile - Quarry/Ceramic		C-N-A				
Wall	Drywall joint compound	6 Sq. M	Good	V011	Chrysotile 1.6%	A	7
Ceiling	Drywall joint compound		C-N-A				
Wall	Ceramic tile		C-N-A				
Pipe	Metal		C-N-A				
Level : B	- Basement				**Asbestos Present:** Yes		
Room : 012	- Janitor Room						

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Floor	Concrete			C-N-A				
Wall	Drywall joint compound	10	Sq. M	Good	A013	Chrysotile 1.4%	A	7
Ceiling	Drywall joint compound	6	Sq. M	Good	A014	Chrysotile 1.5%	B	7
Pipe	Metal			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 013	- Bathroom							
Floor	Tile - Quarry/Ceramic			C-N-A				
Wall	Drywall joint compound	9	Sq. M	Good	V011	Chrysotile 1.6%	A	7
Ceiling	Drywall joint compound			C-N-A				
Wall	Ceramic tile			C-N-A				
Pipe	Metal			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 014	- Walk in cooler							
Floor	Concrete			C-N-A				
Ceiling	Metal - Structural			C-N-A				
Wall	Siding - Metal			C-N-A				
Pipe	Metal			C-N-A				
Wall	Sealant	1	Metre(s)	Good	A018	Chrysotile 10%	A	7
Level : B	- Basement					**Asbestos Present:** No		
Room : 015	- Walk in cooler							
Floor	Tile/Vinyl			T-N-A	V005			
Ceiling	Metal - Structural			C-N-A				
Wall	Siding - Metal			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Pipe	Fittings Insulated	1	Units	Good	V033	Chrysotile 10%	C	7
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 016	- Communication Stores							
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V012			
Wall	Block			C-N-A				
Pipe	Metal			C-N-A				
Floor	Concrete			C-N-A				
Wall	Drywall joint compound	15	Sq. M	Good	V019	Chrysotile 1.3%	B	7
Ductwork	Metal - Bare			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 017	- Storage Room							
Ceiling	Drywall joint compound	55	Sq. M	Good	A019	Chrysotile 1.3%	C	7
Wall	Ceramic tile			C-N-A				
Pipe	Metal			C-N-A				
Floor	Concrete			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 018	- Electrical Room							
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Drywall joint compound	18	Sq. M	Good	V026	Chrysotile 1.9%	B	7
Pipe	Metal			C-N-A				
Floor	Concrete			C-N-A				
Ductwork	Flexible Joint			P-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Column	Structural	2	Sq. M	Good	A020	Chrysotile 1.9%	B	7
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 019	- Storage Room							
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Drywall joint compound	20	Sq. M	Good	V020	Chrysotile 1.9%	B	7
Pipe	Metal			C-N-A				
Floor	Concrete			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Wall	Block			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 020	- Storage Room							
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Drywall joint compound	20	Sq. M	Good	V020	Chrysotile 1.9%	B	7
Pipe	Metal			C-N-A				
Floor	Concrete			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Wall	Block			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 021	- Storage Room							
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Drywall joint compound	20	Sq. M	Good	V020	Chrysotile 1.9%	B	7
Pipe	Metal			C-N-A				
Floor	Concrete			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Wall	Block			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 022	- Storage Room							
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Drywall joint compound	20	Sq. M	Good	V020	Chrysotile 1.9%	B	7
Pipe	Metal			C-N-A				
Floor	Concrete			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Wall	Block			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 023	- Storage Room							
Ceiling	Drywall joint compound	60	Sq. M	Good	V020	Chrysotile 1.9%	C	7
Wall	Drywall joint compound	20	Sq. M	Good	V020	Chrysotile 1.9%	B	7
Pipe	Metal			C-N-A				
Floor	Tile/Vinyl			T-N-A	A021			
Ductwork	Metal - Bare			C-N-A				
Wall	Block			C-N-A				
Wall	Concrete			C-N-A				
Wall	Adhesive			T-N-A	A022			
Level : B	- Basement					**Asbestos Present:** No		
Room : 024	- Bathroom							
Floor	Tile - Quarry/Ceramic			C-N-A				
Wall	Drywall joint compound			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ceiling	Drywall joint compound			C-N-A				
Wall	Ceramic tile			C-N-A				
Pipe	Metal			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 025	- Janitor Room							
Floor	Concrete			C-N-A				
Wall	Drywall joint compound	12	Sq. M	Good	A023	Chrysotile 1.4%	A	7
Ceiling	Drywall joint compound	9	Sq. M	Good	V023	Chrysotile 1.4%	C	7
Pipe	Metal			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 026	- File Room							
Floor	Concrete			C-N-A				
Wall	Drywall joint compound	12	Sq. M	Good	V023	Chrysotile 1.4%	A	7
Ceiling	Pre-Cast Concrete			C-N-A				
Pipe	Fittings Insulated	3	Units	Good	V001	Chrysotile 40%	C	7
Ductwork	Metal - Bare			C-N-A				
Wall	Block			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 027	- Maintenance Storage							
Floor	Concrete			C-N-A				
Wall	Drywall joint compound	12	Sq. M	Good	V023	Chrysotile 1.4%	A	7
Ceiling	Pre-Cast Concrete			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Pipe	Fittings Insulated	4	Units	Good	V001	Chrysotile 40%	C	7
Ductwork	Metal - Bare			C-N-A				
Wall	Block			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 028	- Office							
Floor	Tile/Vinyl			C-N-A				
Wall	Drywall joint compound	6	Sq. M	Good	V023	Chrysotile 1.4%	A	7
Ceiling	Pre-Cast Concrete			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Wall	Block			C-N-A				
Pipe	Metal			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 029	- Fitness Room							
Floor	Plastic			C-N-A				
Wall	Drywall joint compound	15	Sq. M	Good	V023	Chrysotile 1.4%	A	7
Ceiling	Pre-Cast Concrete			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Wall	Block			C-N-A				
Pipe	Metal			C-N-A				
Pipe	Fittings Insulated	1	Units	Good	V001	Chrysotile 40%	A	7
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 030	- Cafeteria Storage							
Floor	Concrete			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ceiling	Pre-Cast Concrete			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Wall	Block			C-N-A				
Pipe	Metal			C-N-A				
Pipe	Fittings Insulated	2	Units	Good	V001	Chrysotile 40%	A	7
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 031	- Cafeteria							
Floor	Tile - Quarry/Ceramic			C-N-A				
Ceiling	Drywall joint compound	60	Sq. M	Good	A024	Chrysotile 1.2%	C	7
Wall	Ceramic tile			C-N-A				
Pipe	Metal			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 031A	- Cafeteria Bathroom							
Floor	Tile - Quarry/Ceramic			C-N-A				
Ceiling	Drywall joint compound	6	Sq. M	Good	V024	Chrysotile 1.2%	C	7
Wall	Ceramic tile			C-N-A				
Pipe	Metal			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 031B	- Walk in cooler							
Floor	Tile - Quarry/Ceramic			C-N-A				
Ceiling	Drywall joint compound	6	Sq. M	Good	V024	Chrysotile 1.2%	C	7
Wall	Ceramic tile			C-N-A				
Pipe	Metal			C-N-A				

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Ceiling	Textured Coat		T-N-A	A025			
Level : B	- Basement				**Asbestos Present:** Yes		
Room : 031C	- Walk in cooler						
Floor	Tile - Quarry/Ceramic		C-N-A				
Ceiling	Metal - Structural		C-N-A				
Wall	Ceramic tile		C-N-A				
Pipe	Fittings Insulated - Fibreglass		C-N-A				
Level : B	- Basement				**Asbestos Present:** No		
Room : 032	- Meeting Room						
Floor	Carpet		C-N-A				
Wall	Drywall joint compound		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V008			
Ductwork	Flexible Joint		C-N-A				
Pipe	Metal		C-N-A				
Level : B	- Basement				**Asbestos Present:** Yes		
Room : 033	- Lunch Room						
Floor	Tile/Vinyl		T-N-A	V021			
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V008			
Wall	Drywall joint compound	180 Sq. M	Good	A026	Chrysotile 1.9%	A	7
Wall	Texture Coat		T-N-A	V004			
Floor	Carpet		C-N-A				
Level : B	- Basement				**Asbestos Present:** Yes		
Room : 034	- Presentation Room						

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Floor	Tile/Vinyl			T-N-A	V021			
Wall	Drywall joint compound			C-N-A				
Floor	Carpet			C-N-A				
Ceiling	Drywall joint compound	130	Sq. M	Good	V026	Chrysotile 1.9%	C	7
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 034A	- Storage Room							
Ceiling	Drywall joint compound	3	Sq. M	Good	V023	Chrysotile 1.9%	C	7
Wall	Drywall joint compound	15	Sq. M	Good	V026	Chrysotile 1.9%	A	7
Wall	Texture Coat			T-N-A	V004			
Floor	Carpet			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 034B	- Storage Room							
Ceiling	Drywall joint compound	3	Sq. M	Good	V023	Chrysotile 1.9%	C	7
Wall	Drywall joint compound	15	Sq. M	Good	V026	Chrysotile 1.9%	A	7
Wall	Texture Coat			T-N-A	V004			
Floor	Carpet			C-N-A				
Level : B	- Basement					**Asbestos Present:** No		
Room : 034C	- Storage Room							
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V035			
Wall	Texture Coat			T-N-A	V004			
Floor	Tile - Vinyl/Asbestos			T-N-A	V007			
Level : B	- Basement					**Asbestos Present:** No		
Room : 035	- Cold Storage							

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Ceiling	Metal - Structural		C-N-A				
Wall	Siding - Metal		C-N-A				
Floor	Steel (Structural or otherwise)		C-N-A				
Level : B	- Basement				**Asbestos Present:**	Yes	
Room : 036	- Cold Storage						
Ceiling	Metal - Structural		C-N-A				
Wall	Siding - Metal		C-N-A				
Floor	Steel (Structural or otherwise)		C-N-A				
Wall	Adhesive		Good	V018		B	7
Level : B	- Basement				**Asbestos Present:**	No	
Room : 037	- Cold Storage						
Ceiling	Metal - Structural		C-N-A				
Wall	Siding - Metal		C-N-A				
Floor	Steel (Structural or otherwise)		C-N-A				
Level : B	- Basement				**Asbestos Present:**	No	
Room : 038	- Cold Storage						
Ceiling	Metal - Structural		C-N-A				
Wall	Siding - Metal		C-N-A				
Floor	Steel (Structural or otherwise)		C-N-A				
Level : B	- Basement				**Asbestos Present:**	No	
Room : 039	- Cold Storage						
Ceiling	Metal - Structural		C-N-A				
Wall	Siding - Metal		C-N-A				

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Floor	Steel (Structural or otherwise)		C-N-A				
Level : B **Room :** 040		- Basement - Cold Storage			**Asbestos Present:** No		
Ceiling	Metal - Structural		C-N-A				
Wall	Siding - Metal		C-N-A				
Floor	Tile - Quarry/Ceramic		C-N-A				
Level : B **Room :** 040A		- Basement - Walk in cooler			**Asbestos Present:** No		
Ceiling	Metal - Structural		C-N-A				
Wall	Siding - Metal		C-N-A				
Floor	Steel (Structural or otherwise)		C-N-A				
Level : B **Room :** 040B		- Basement - Walk in cooler			**Asbestos Present:** No		
Ceiling	Metal - Structural		C-N-A				
Wall	Siding - Metal		C-N-A				
Floor	Steel (Structural or otherwise)		C-N-A				
Level : B **Room :** 040C		- Basement - Walk in cooler			**Asbestos Present:** No		
Ceiling	Metal - Structural		C-N-A				
Wall	Siding - Metal		C-N-A				
Floor	Steel (Structural or otherwise)		C-N-A				
Level : B **Room :** 041		- Basement - Dead Wood Accumulation			**Asbestos Present:** Yes		

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ceiling	Pre-Cast Concrete			C-N-A				
Floor	Tile/Vinyl			T-N-A	V005			
Ductwork	Duct Sealant	1	Metre(s)	Good	V088	Chrysotile 2.9%	C	7
Pipe	Metal			C-N-A				
Wall	Drywall			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 042	- Storage Room							
Ceiling	Pre-Cast Concrete			C-N-A				
Floor	Tile/Vinyl			T-N-A	V005			
Ductwork	Duct Sealant	1	Units	Good	V088	Chrysotile 2.9%	C	7
Pipe	Metal			C-N-A				
Wall	Drywall			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 042A	- Storage Room							
Ceiling	Pre-Cast Concrete			C-N-A				
Floor	Tile/Vinyl			T-N-A	V005			
Ductwork	Duct Sealant	1	Units	Good	V088	Chrysotile 2.9%	C	7
Pipe	Metal			C-N-A				
Wall	Drywall			C-N-A				
Level : B	- Basement					**Asbestos Present:** No		
Room : 043	- Laboratory							
Ceiling	Pre-Cast Concrete			C-N-A				
Floor	Tile/Vinyl			T-N-A	V005			

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Ductwork	Metal - Bare		C-N-A				
Pipe	Metal		C-N-A				
Wall	Drywall		C-N-A				
Pipe	Fittings Insulated - Fibreglass		C-N-A				
Level : B	- Basement				**Asbestos Present:** No		
Room : 043A	- Laboratory						
Ceiling	Pre-Cast Concrete		C-N-A				
Floor	Tile/Vinyl		T-N-A	V005			
Ductwork	Metal - Bare		C-N-A				
Pipe	Metal		C-N-A				
Wall	Ceramic tile		C-N-A				
Pipe	Fittings Insulated - Fibreglass		C-N-A				
Level : B	- Basement				**Asbestos Present:** No		
Room : 044	- Elevator Room						
Ceiling	Pre-Cast Concrete		C-N-A				
Floor	Concrete		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Pipe	Metal		C-N-A				
Wall	Concrete		C-N-A				
Wall	Block		C-N-A				
Level : B	- Basement				**Asbestos Present:** No		
Room : 045	- Storage Room						
Ceiling	Pre-Cast Concrete		C-N-A				

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Floor	Concrete		C-N-A				
Pipe	Metal		C-N-A				
Wall	Concrete		C-N-A				
Level : B		- Basement			**Asbestos Present:** No		
Room : 046		- Bathroom					
Ceiling	Drywall joint compound		C-N-A				
Wall	Ceramic tile		C-N-A				
Pipe	Metal		C-N-A				
Floor	Tile - Quarry/Ceramic		C-N-A				
Wall	Drywall joint compound		C-N-A				
Level : B		- Basement			**Asbestos Present:** No		
Room : 047		- Bathroom					
Floor	Tile - Quarry/Ceramic		C-N-A				
Wall	Drywall joint compound		C-N-A				
Ceiling	Drywall joint compound		C-N-A				
Wall	Ceramic tile		C-N-A				
Pipe	Metal		C-N-A				
Level : B		- Basement			**Asbestos Present:** No		
Room : 048		- Bathroom					
Floor	Tile - Quarry/Ceramic		C-N-A				
Wall	Drywall joint compound		C-N-A				
Ceiling	Drywall joint compound		C-N-A				
Wall	Ceramic tile		C-N-A				

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Pipe	Metal		C-N-A				
Level : B		- Basement			**Asbestos Present:** No		
Room : 049		- Carpentry Shop					
Ceiling	Pre-Cast Concrete		C-N-A				
Floor	Concrete		C-N-A				
Pipe	Metal		C-N-A				
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ductwork	Insulated		T-N-A	A027			
Level : B		- Basement			**Asbestos Present:** No		
Room : 050		- Storage Room					
Ceiling	Pre-Cast Concrete		C-N-A				
Floor	Concrete		C-N-A				
Pipe	Metal		C-N-A				
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ductwork	Insulated		T-N-A	V027			
Level : B		- Basement			**Asbestos Present:** No		
Room : 051		- Laboratory					
Ceiling	Pre-Cast Concrete		C-N-A				
Floor	Tile - Vinyl/Asbestos		T-N-A	A028			
Pipe	Metal		C-N-A				
Wall	Block		C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Wall	Gypsum board			C-N-A				
Ductwork	Insulated			T-N-A	V027			
Level : B	- Basement					**Asbestos Present:** No		
Room : 052	- Storage Room							
Ceiling	Pre-Cast Concrete			C-N-A				
Floor	Tile/Vinyl			T-N-A	V028			
Pipe	Metal			C-N-A				
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ductwork	Insulated			T-N-A	V027			
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 053	- Storage Room							
Ceiling	Pre-Cast Concrete			C-N-A				
Floor	Concrete			C-N-A				
Pipe	Metal			C-N-A				
Wall	Drywall joint compound	25	Sq. M	Good	V029	Chrysotile 1.7%	A	7
Wall	Gypsum board			C-N-A				
Ceiling	Drywall joint compound	45	Sq. M	Good	V029	Chrysotile 1.7%	A	7
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 054	- Laboratory							
Ceiling	Pre-Cast Concrete			C-N-A				
Floor	Tile/Vinyl			T-N-A	V028			
Pipe	Metal			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Wall	Drywall joint compound	22	Sq. M	Good	V029	Chrysotile 1.7%	A	7
Wall	Gypsum board			C-N-A				
Ceiling	Drywall joint compound	40	Sq. M	Good	V029	Chrysotile 1.7%	A	7
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 054A	- Laboratory							
Ceiling	Pre-Cast Concrete			C-N-A				
Floor	Tile/Vinyl			T-N-A	V028			
Pipe	Metal			C-N-A				
Wall	Drywall joint compound	22	Sq. M	Good	V029	Chrysotile 1.7%	A	7
Wall	Gypsum board			C-N-A				
Ceiling	Drywall joint compound	10	Sq. M	Good	V029	Chrysotile 1.7%	A	7
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 054B	- Laboratory							
Ceiling	Pre-Cast Concrete			C-N-A				
Floor	Tile/Vinyl			T-N-A	V028			
Pipe	Metal			C-N-A				
Wall	Drywall joint compound	12	Sq. M	Good	V029	Chrysotile 1.7%	A	7
Wall	Gypsum board			C-N-A				
Ceiling	Drywall joint compound	20	Sq. M	Poor	A029	Chrysotile 1.7%	A	3
Level : B	- Basement					**Asbestos Present:** No		
Room : 055	- Laboratory							
Ceiling	Pre-Cast Concrete			C-N-A				
Floor	Sheet flooring			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Pipe	Metal			C-N-A				
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Ductwork	Flexible Joint			C-N-A				
Level : B	- Basement					**Asbestos Present:** No		
Room : 056	- Storage Room							
Ceiling	Pre-Cast Concrete			C-N-A				
Floor	Tile/Vinyl			T-N-A	V028			
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ductwork	Flexible Joint			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 057	- Telephone/Data							
Floor	Tile/Vinyl			T-N-A	V028			
Pipe	Metal			C-N-A				
Wall	Drywall joint compound	15	Sq. M	Good	A030	Chrysotile 1.3%	A	7
Ceiling	Drywall joint compound	15	Sq. M	Good	V029	Chrysotile 1.7%	A	7
Level : B	- Basement					**Asbestos Present:** No		
Room : 058	- Metal Shop							
Floor	Concrete			C-N-A				
Pipe	Metal			C-N-A				
Ceiling	Pre-Cast Concrete			C-N-A				

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Level : B		- Basement			**Asbestos Present:** No		
Room : 059		- Maintenance Shop					
Floor	Concrete		C-N-A				
Pipe	Metal		C-N-A				
Ceiling	Pre-Cast Concrete		C-N-A				
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Level : B		- Basement			**Asbestos Present:** No		
Room : 060		- Maintenance Shop					
Floor	Concrete		C-N-A				
Pipe	Metal		C-N-A				
Ceiling	Pre-Cast Concrete		C-N-A				
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Level : B		- Basement			**Asbestos Present:** No		
Room : 061		- Paint Room					
Floor	Concrete		C-N-A				
Pipe	Metal		C-N-A				
Ceiling	Pre-Cast Concrete		C-N-A				

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Level : B		- Basement			**Asbestos Present:** No		
Room : 062		- Electrical Room					
Floor	Concrete		C-N-A				
Pipe	Metal		C-N-A				
Ceiling	Pre-Cast Concrete		C-N-A				
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Level : B		- Basement			**Asbestos Present:** No		
Room : 063		- Maintenance Shop					
Floor	Concrete		C-N-A				
Pipe	Metal		C-N-A				
Ceiling	Pre-Cast Concrete		C-N-A				
Wall	Block		C-N-A				
Wall	Gypsum board		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Level : B		- Basement			**Asbestos Present:** No		
Room : 064		- First Aid Room					
Floor	Tile/Vinyl		T-N-A	V028			
Pipe	Metal		C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Level : B	- Basement					**Asbestos Present:** No		
Room : 064A	- Laboratory							
Floor	Tile/Vinyl			T-N-A	V028			
Pipe	Metal			C-N-A				
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Block			C-N-A				
Wall	Gypsum board			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : 065	- File Room							
Floor	Tile/Vinyl			T-N-A	V028			
Pipe	Metal			C-N-A				
Ceiling	Drywall joint compound	5	Sq. M	Good	V024	Chrysotile 1.2%	C	7
Wall	Gypsum board			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Wall	Drywall joint compound	6	Sq. M	Good	V024	Chrysotile 1.2%	C	7
Level : B	- Basement					**Asbestos Present:** No		
Room : 066	- Laboratory							
Floor	Tile/Vinyl			T-N-A	V028			

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Pipe	Metal		C-N-A				
Ceiling	Pre-Cast Concrete		C-N-A				
Wall	Gypsum board		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Wall	Block		C-N-A				
Level : B	- Basement				**Asbestos Present:** No		
Room : 067	- Laboratory						
Floor	Tile/Vinyl		T-N-A	V007			
Pipe	Metal		C-N-A				
Ceiling	Pre-Cast Concrete		C-N-A				
Wall	Gypsum board		C-N-A				
Ductwork	Metal - Bare		C-N-A				
Wall	Block		C-N-A				
Level : B	- Basement				**Asbestos Present:** Yes		
Room : HW001	- Hallway						
Wall	Texture Coat		T-N-A	V004			
Floor	Tile - Quarry/Ceramic		C-N-A				
Ceiling	Acoustical Tile - 24" by 48"		T-N-A	V008			
Ceiling	Textured coat above drywall		T-N-A	V032			
Pipe	Fittings Insulated		T-N-A	A031			
Pipe	Fittings Insulated	12 Units	Good	V001	Chrysotile 40%	C	7
Wall	Block		C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : B	- Basement					**Asbestos Present:** Yes		
Room : HW002	- Hallway							
Wall	Texture Coat			T-N-A	V004			
Floor	Tile - Quarry/Ceramic			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	A035			
Ceiling	Textured coat above drywall			T-N-A	V032			
Pipe	Straight Run Insulated			T-N-A	A036			
Ductwork	Duct Sealant	2	Units	Good	A034	Chrysotile 1.5%	C	7
Pipe	Straight Run Insulated			T-N-A	A037			
Wall	Block			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : HW003	- Hallway							
Wall	Texture Coat			T-N-A	V004			
Floor	Tile - Quarry/Ceramic			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V008			
Ceiling	Textured coat above drywall			T-N-A	V032			
Pipe	Fittings Insulated	7	Units	Good	V033	Chrysotile 10%	C	7
Pipe	Fittings Insulated	4	Units	Good	V038	Chrysotile 10%	C	7
Wall	Block			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : HW004	- Hallway							
Wall	Texture Coat			T-N-A	V004			
Floor	Tile - Quarry/Ceramic			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V035			
Ceiling	Textured coat above drywall			T-N-A	V032			
Ductwork	Duct Sealant	1	Units	Good	V034	Chrysotile 1.5%	C	7
Pipe	Fittings Insulated	6	Units	Good	V033	Chrysotile 10%	C	7
Wall	Block			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : HW005	- Hallway							
Wall	Texture Coat			T-N-A	V004			
Floor	Tile - Quarry/Ceramic			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V035			
Ceiling	Textured coat above drywall			T-N-A	V032			
Ductwork	Duct Sealant	1	Units	Good	V034	Chrysotile 1.5%	C	7
Pipe	Fittings Insulated	4	Units	Good	V033	Chrysotile 10%	C	7
Wall	Block			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : HW006	- Hallway							
Pipe	Fittings Insulated	6	Units	Good	V033	Chrysotile 10%	C	7
Wall	Block			C-N-A				
Wall	Texture Coat			T-N-A	V004			
Floor	Tile - Quarry/Ceramic			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V035			
Ceiling	Textured coat above drywall			T-N-A	V032			

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Level : B	- Basement					**Asbestos Present:** No		
Room : HW007	- Hallway							
Floor	Tile - Quarry/Ceramic			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V035			
Wall	Block			C-N-A				
Pipe	Metal			C-N-A				
Ductwork	Metal - Bare			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : HW008	- Hallway							
Wall	Texture Coat			T-N-A	V004			
Floor	Tile - Quarry/Ceramic			C-N-A				
Ceiling	Acoustical Tile - 24" by 48"			T-N-A	V035			
Ceiling	Textured coat above drywall			T-N-A	V032			
Ductwork	Duct Sealant	1	Units	Good	V034	Chrysotile 1.5%	C	7
Pipe	Fittings Insulated	6	Units	Good	A038	Chrysotile 10%	C	7
Wall	Block			C-N-A				
Pipe	Fittings Insulated	8	Units	Good	A039	Chrysotile 10%	C	7
Pipe	Fittings Insulated	4	Units	Good	A040	Chrysotile 10%	C	7
Pipe	Fittings Insulated	4	Units	Good	A041	Chrysotile 10%	C	7
Level : B	- Basement					**Asbestos Present:** Yes		
Room : SC001	- Service Corridor							
Ductwork	Duct Sealant	2	Units	Good	V075	Chrysotile 2.7%	B	7
Wall	Block			C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Pipe	Fittings Insulated	2	Units	Good	V033	Chrysotile 10%	B	7
Ductwork	Flexible Joint			C-N-A				
Floor	Concrete			C-N-A				
Level : B	- Basement					**Asbestos Present:** Yes		
Room : SC002	- Service Corridor							
Ductwork	Duct Sealant	1	Units	Good	V075	Chrysotile 2.7%	B	7
Wall	Block			C-N-A				
Ductwork	Flexible Joint			C-N-A				
Floor	Concrete			C-N-A				
Wall	Sealant			T-N-A	A068			
Wall	Transite Board	3	Sq. M	Good	V110	Chrysotile 25%	B	7
Level : B	- Basement					**Asbestos Present:** Yes		
Room : SC003	- Service Corridor							
Ductwork	Duct Sealant	1	Units	Good	V073	Chrysotile 1.3%	C	7
Wall	Block			C-N-A				
Ductwork	Duct Sealant			T-N-A	A071			
Floor	Concrete			C-N-A				
Wall	Transite Board	3	Sq. M	Good	V110	Chrysotile 25%	B	7
Pipe	Straight Run Insulated			T-N-A	A069			
Pipe	Straight Run Insulated			T-N-A	A070			
Level : B	- Basement					**Asbestos Present:** Yes		
Room : SW001	- Stairwell							
Wall	Texture Coat			T-N-A	A004			

Material/Design	Description	Quantity	Condition	Sample	Asbestos Type	Access	Action
Floor	Tile - Vinyl/Asbestos	30 Sq. M	Good	A005	Chrysotile 1.2%	A	7
Ceiling	Pre-Cast Concrete		C-N-A				
Level : B	- Basement				**Asbestos Present:** No		
Room : SW002	- Stairwell						
Floor	Tile/Vinyl		T-N-A	A015			
Wall	Texture Coat		T-N-A	A016			
Ceiling	Textured Coat		T-N-A	V016			
Wall	Sealant		T-N-A	A017			
Level : B	- Basement				**Asbestos Present:** No		
Room : SW003	- Stairwell						
Floor	Tile/Vinyl		T-N-A	V015			
Wall	Texture Coat		T-N-A	V016			
Ceiling	Textured Coat		T-N-A	V016			
Wall	Sealant		T-N-A	V017			
Level : B	- Basement				**Asbestos Present:** No		
Room : SW004	- Stairwell						
Floor	Tile/Vinyl		T-N-A	V015			
Wall	Texture Coat		T-N-A	V016			
Ceiling	Textured Coat		T-N-A	V016			
Wall	Sealant		T-N-A	V017			
Level : P	- Penthouse Level				**Asbestos Present:** Yes		
Room :	- Penthouse						
Floor	Concrete		C-N-A				

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ceiling	Pre-Cast Concrete			C-N-A				
Wall	Concrete			C-N-A				
Pipe	Metal			C-N-A				
Wall	Transite Board	40	Sq. M	Good	A110	Chrysotile 25%	B	7
Pipe		1	Units	T-N-A	A103			
Ductwork	Flexible Joint			T-N-A	A104			
Ductwork	Duct Sealant			T-N-A	A105			
Ductwork	Duct Sealant			T-N-A	A106			
Ductwork	Duct Sealant			T-N-A	A107			
Insulation	Insulation- Fiberglass			T-N-A	A108			
Insulation	Insulation- Fiberglass			T-N-A	A109			
Ductwork	Duct Sealant			T-N-A	A111			
Ductwork	Insulated			T-N-A	A112			
Ductwork	Insulated			T-N-A	A113			
Pipe	Straight Run Insulated	1	Units	Fair	A114	Chrysotile 40%	B	7
Pipe	Straight Run Insulated			T-N-A	A115			
Ductwork	Insulated	1	Units	Good	A116	Chrysotile 40%	B	7
Ductwork	Insulated			T-N-A	A117			
Ductwork	Insulated	1	Units	Good	A118	Chrysotile 40%	B	7
Ductwork	Insulated	1	Units	Good	A119	Chrysotile 20%	B	7
Ductwork	Insulated	1	Units	Good	A120	Chrysotile 10%	B	7
Pipe	Fittings Insulated	8	Units	Good	V100	Chrysotile 10%	B	7
Ductwork	Insulated			T-N-A	A121			

Material/Design	Description	Quantity		Condition	Sample	Asbestos Type	Access	Action
Ductwork	Insulated	1	Units	Good	A122	Chrysotile 40%	B	7
Wall	Sealant	1	Metre(s)	Good	A123	Chrysotile 1.5%	B	7
Wall	Sealant	1	Metre(s)	Good	A124	Chrysotile 1.5%	B	7
Ductwork	Insulated	1	Units	Good	A125	Chrysotile 80%	B	7
Wall	Sealant			T-N-A	A126			
Wall	Sealant			T-N-A	A127			
Pipe				T-N-A	A128			
Pipe				T-N-A	A129			
Pipe	Fittings Insulated	1	Units	Good	A130	Chrysotile 15%	B	7

Number of Rows: 1,961

APPENDIX F

SITE SPECIFIC HEALTH AND SAFETY PLAN

Submission to:

PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

Site Specific Safety Plan
Asbestos Survey – NRCAN Northern Forestry Building
Edmonton, AB

Document No. 1318904000-WPL-V0001-00

TETRA TECH

Report to:

PUBLIC WORKS AND
GOVERNMENT SERVICES CANADA

SITE SPECIFIC SAFETY PLAN ASBESTOS SURVEY – NRCAN NORTHERN FORESTRY BUILDING EDMONTON, AB

JANUARY 2013

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1318900400-WPL-V0001-00

REVISION HISTORY

REV. NO	ISSUE DATE	PREPARED BY AND DATE	REVIEWED BY AND DATE	APPROVED BY AND DATE	DESCRIPTION OF REVISION

TABLE OF CONTENTS

1.0 PROJECT DESCRIPTION

Tetra Tech WEI Inc. (Tetra Tech) is pleased to provide Public Works and Government Services Canada (PWGSC) with this site specific safety plan (SSSP) to conduct a detailed room-by-room asbestos survey for PWGSC on behalf of Natural Resources Canada (NRCAN) for the Northern Forestry Building located in Edmonton, Alberta.

1.1 GENERAL SCOPE OF WORK

The Scope of Work for the field investigation will include:

- Pre-Job Meeting: Completion of a pre-job meeting to review the project activities and discuss the health and safety plan for the site.
- Asbestos-Containing Materials Survey: The room-by-room survey will be non-intrusive (non-destructive) in nature and will attempt to consider concealed building materials within the building where access is feasible. The assessment will attempt to identify concealed building components including but not limited to drywall joint compound, concealed flooring, concealed mechanical systems and so forth. The results of the survey will be complete an asbestos management database for the building.

The work is considered to be relatively complex, due to the high level of detail and organization related to record keeping. The level of risk associated with the work is considered to be moderate, for the reasons stated above.

As Prime Contractor, Tetra Tech will be responsible for site safety within the identified work area.

1.2 GENERAL SITE CONDITIONS

The subject site is a building which is used mainly for office space with the exception of the penthouse which houses the buildings mechanical equipment. The total area of the building is approximately 13,000 m^2.

1.3 SAFETY POLICY AND PROGRAM

Tetra Tech's Safety and Health Policy is as follows:

"It is the policy of the Tetra Tech group of companies to conduct business in a manner that adheres to the applicable safety and health legislation and associated regulations within our locations of business. The Tetra Tech group of companies strives to create a safe work environment for its employees, as well as for the protection of the public and any subcontractors or sub consultants that may be retained by a Tetra Tech company."

This project will be conducted in a manner that supports this policy. The health and safety of all workers and members of the public will be protected as will environmental quality. In conducting the project, all applicable health, safety and environmental legislation will be met or exceeded as will the applicable policies and procedures, including:

Health and Safety Policies	Project Applicability
HS101 Corporate Health and Safety Policy	Y
HS102 Health and Safety Program Auditing	N
HS200 Hazard Identification Assessment and Control	Y
HS201 Health and Safety Risk Management System	Y
HS202 Ground Disturbance	N
HS203 Electrical Data Gathering	N
HS204 Confined Space Entry	Y
HS205 Musculoskeletal Hazards	Y
HS206 Site Specific Safety Plans	Y
HS207 Control of Hazardous Energy Sources (Lockout-Tagout)	N
HS208 Thermal Stress	Y
HS209 Tool Safety	Y
HS210 Fire Protection	N
HS301 Personal Protective Equipment	Y
HS302 Emergency Response	Y
HS303 Working Alone or in Isolation	N
HS304 Safe Driving	Y
HS305 Respiratory Protective Equipment	Y
HS306 Preventative Maintenance	Y
HS307 Hearing Conservation and Noise Awareness	Y
HS308 Traffic Accommodation Strategy	Y
HS400 Safety Training	Y
HS401 Safety Training for New and Short Service Employees	N
HS500 Joint Health and Safety Committees	N
HS600 Incident Reporting and Investigation	Y
HS601 Return to Work and Modified Duties	N

The following Tetra Tech safety forms are further available for use in this project as required.

Health and Safety Forms	Project Applicability
IR_Incident Report	Y
IR-A_Incident Report Injury and Illness	Y
IR-B_Incident Report Damage, Fire, Spill or Release	Y
IR-C_Incident Report Motor Vehicle	Y
IR-HS_Incident Report Health and Safety Classification	N
IR-IC_Incident Report Injury Claim	N
SF-HS101-001 Corporate Health Safety Acknowledgement	N
SF-HS101-002 Tetra Tech HS Orientation Competency Test	N
SF-HS101-003 Health and Safety Procedure Acknowledgement	N
SF-HS101-004 Health and Safety General Orientation Sheet	N
SF-HS102-002 Health and Safety Audit Checklist	N
SF-HS102-004 Planned Job Observation	Y
SF-HS102-005 Health and Safety Inspection Log	N
SF-HS200-001 Workplace Hazard Assessment	Y
SF-HS200-002 Job Hazard Analysis	Y
SF-HS200-003 Safe Work Practice	Y
SF-HS200-004 General Physical Environment Assessment	N
SF-HS200-005 Controlled Products Inventory	N
SF-HS200-006 Workplace Health and Safety Report Log	N
SF-HS201-001 Health and Safety Toolbox Meeting	Y
SF-HS202-001 Ground Disturbance Checklist	N
SF-HS204-001 Confined Space Entry Permit	N
SF-HS210-001 Fire Drill Report	N
SF-HS301-001 Lanyard Inspection Checklist	N
SF-HS302-001 Emergency Response Plan	Y
SF-HS303-001 Working Alone Safety Plan	N
SF-HS304-001 Vehicle Inspection Checklist	Y
SF-HS304-002 Tetra Tech Employee Vehicle Mileage Log	Y
SF-HS304-003 Driving Record Acknowledgement	N
SF-HS305-001 Qualitative Fit Test Form	N
SF-HS305-002 Respiratory Fit Test Certificate	Y
SF-HS306-001 Equipment Inventory and Maintenance Schedule	N
SF-HS306-002 Equipment Maintenance Log	N

Health and Safety Forms	Project Applicability
SF-HS308-001 TAS Evaluation Checklist	N
SF-HS400-001 Office Specific HS Orientation	N
SF-HS400-002 HS Orientation Certificate	N
SF-HS400-003 Employee HS Training Requirements	N
SF-HS400-004 WHMIS Training Certificate	Y
SF-HS400-005 TDG Shipping Document	Y
SF-HS401-001 Short Service Employee Form	N
SF-HS500-001 JHSC Recommendations	N
SF-HS600-002 Near Miss Report	Y
SF-HS600-003 First Aid Record Sheet	N
SF-HS600-005 Vehicle Incident Report	Y
SF-HS600-006 Incident Investigation Report	Y

1.4 Applicable OHS Legislation, Regulations & Codes & Other Requirements

Field work associated with the project will take place in Alberta. Tetra Tech will ensure that we are in compliance with Alberta's "Workplace Safety and Health Act".

1.5 SAFETY COMMUNICATION AND CONSULTATION

Project safety meetings are will be undertaken as follows:

Project Stage	Type of Meeting	Frequency	Attendees	Date
Pre-job	Pre-Job	Once	Tetra Tech/ PWGSC/ NRCAN	January 14, 2013
During	Tailgate/Tailboard	Daily	Tetra Tech/ NRCAN	Daily while on-site
	JHA	Daily & as required	Tetra Tech	Daily while on-site
	Crew Time Out	Incident specific		
	Crew Shut Down	Incident specific		
	Construction Shut Down	Incident specific		
Post-job	Project Post Mortem	Once at end of project	Tetra Tech PWGSC	

1.6 SAFETY DOCUMENTS & RECORDS

The following identifies the various documents and records generated for this project. Each of these documents is to be kept in one binder per site and submitted to the PM at the conclusion of the job.

- Project / Site Specific Safety Plan
- Work Authorizations
- Site Specific Orientation
- Pre-Job Meeting Form
- Tailgate Meeting and Site Specific JHA additions
- Incident Report
- Project Post Mortem Safety Report

1.7 KEY SAFETY PERFORMANCE INDICATORS

The following Key Performance Indicators will be recognized for this project:

Key Performance Indicators	Target
Total Recordable Case Rate	0
Away From Work Case Rate	0
Total Lost Days Severity Rate	0
Away From Work Day Rate	0
Modified Work Day Rate	0
CI+MI / Total Incidents	No Major or Critical Incidents
Vehicle Incident Frequency	0

Proactive safety indicators will include:

- Reporting of near hits.
- Completion and documentation of daily tailgate meetings.
- Completion of JHAs
- Amendments to JHAs as required by changing conditions

2.0 HAZARD IDENTIFICATION, ASSESSMENT AND CONTROL

As detailed in HS200 Hazard Identification, Assessment and Control, Workplace Hazard Assessments (WHA), Job Hazard Analyses (JHA), and Safe Work Practices (SWP) will be developed. A SSSP will also provide additional methodologies for specific hazards associated with the project as well as the approaches for mitigating identified risks, and the process for reporting safety information to the necessary parties. The following documents are required as a part of this project.

2.1 WORKPLACE HAZARD ASSESSMENT (WHA)

WHA are used to evaluate the potential hazards at a workplace, the job tasks affected by these hazards and the controls used. WHA may initially be developed prior to the start of a project; however, the site-specific conditions must be evaluated and documented on the WHA prior to beginning job tasks on the worksite. The WHA must be reviewed and revisited throughout the lifetime of the project on a daily basis or updated as site conditions change (i.e., weather conditions, start of new phase of project, change in procedures). High risk hazards identified in the WHA must be eliminated, or when they cannot be eliminated, controlled. Methods of hazard control will include engineering controls, administrative controls, and/or PPE. A new WHA must be complete weekly even if hazards have not changed.

2.2 JOB HAZARD ANALYSIS (JHA)

JHA are a review of assigned job tasks in a step-by-step manner, considering the potential hazards and risks associated with each step. JHA may be developed from “scratch” or standardized JHA (JHA that have been previously developed for standard job tasks) may be used (these are available through the Tetra Tech intranet). If a JHA has not been developed for an assigned job task, one must be developed prior to the start of the task. In either case, the Field Level Hazard Assessment (FLHA) section located at the end of the JHA form must be completed. THE FLHA identifies any hazards that have not been previously identified on the JHA.

2.3 SAFE WORK PRACTICES (SWP)

SWP are written sets of guidelines that establish the standard for performing the component of a job task safely. Tetra Tech has a number of SWP that have been developed for a variety of activities such as SWP-0013 Fall Protection and SWP-0010 Working Outdoors.

The following JHA and SWP are available for use in this project:

Safe Work Practices and Job Hazard Analyses	Project Applicability
HS200-002-JHA-0001 Environmental Drilling	N
HS200-002-JHA-0002 Environmental Site Monitoring (Groundwater)	N
HS200-002-JHA-0003 Tap Water Sampling	N
HS200-002-JHA-0004 Oxidant Injection	N
HS200-002-JHA-0007 Work In or Near Excavations	N
HS200-002-JHA-0008 Structural Inspection of Bridges	N
HS200-002-JHA-0009 Surveying	N
HS200-002-JHA-0010 Inspection of Sewer and Water Installations	N
HS200-002-JHA-0011 Structural Inspection of Box Girders	N
HS200-002-JHA-0012 Sampling Asbestos Containing Materials	Y
HS200-002-JHA-0013 Sampling Toxic and Poisonous Substances	Y
HS200-002-JHA-0014 Surface Water and Sediment Sampling	N
HS200-002-JHA-0015 Hydrovac Excavation	N
HS200-002-JHA-0016 Environmental Drilling (Indoors) - Hand Augering	N
HS200-002-JHA-0017 Inspection of Handwells (Up to 600 Volts)	N
HS200-002-JHA-0018 Switchyard-Transformer Station Work	N
HS200-002-JHA-0019 Roadway Lighting Survey	N
HS200-002-JHA-0020 Inspection of Pumphouses (Mosaic)	N
HS200-002-JHA-0021 Rooftop Equipment Inspections (Non-Intrusive)	N
HS200-002-JHA-0022 Inspection of Poles and Overhead Electrical Distribution Plant	N
HS200-002-JHA-0023 Inspection of Subsurface Electrical Distribution Plant	N
HS200-003-SWP-0001 Use of Gloves	Y
HS200-003-SWP-0002 Working with Knives	Y

Safe Work Practices and Job Hazard Analyses	Project Applicability
HS200-003-SWP-0006 Manual Lifting and Carrying	Y
HS200-003-SWP-0008 Air Monitoring	N
HS200-003-SWP-0010 Working Outdoors	Y
HS200-003-SWP-0012 Use of Ladders	Y
HS200-003-SWP-0013 Fall Protection	N
HS200-003-SWP-0015 Working on Frozen Bodies of Water (Ice)	N
HS200-003-SWP-0017 Exposure to Hydrogen Sulphide (H2S) Gas	N
HS200-003-SWP-0018 Changing a Tire	Potential
HS200-003-SWP-0020 Receiving Large Courier Packages	N
HS200-003-SWP-0021 Working In or Near Vehicle Traffic	Potential
HS200-003-SWP-0022 Exposure to Ionizing Radiation	N
HS200-003-SWP-0023 Working on Sidewalks	N
HS200-003-SWP-0024 Refuelling a Vehicle	Y
HS200-003-SWP-0025 Housekeeping	Y
HS200-003-SWP-0026 Portable Buildings and Trailers	N
HS200-003-SWP-0027 Hydrostatic Testing	N
HS200-003-SWP-0028 Workplace Lighting	Potential
HS200-003-SWP-0029 Welding and Burning Operations	N
HS200-003-SWP-0030 Office Safety	N
HS200-003-SWP-0031 Reinforcing Steel (Rebar) Installation	N
HS200-003-SWP-0032 Blast Cleaning (Sandblasting)	N
HS200-003-SWP-0033 Ice Auger Operation and Maintenance	N
HS200-003-SWP-0034 Scaffolding and Temporary Work Platforms	N
HS200-003-SWP-0035 Structural Steel and Skeletal Structures	N
HS200-003-SWP-0036 Signs and Barricades	N
HS200-003-SWP-0037 Temporary Structures and Hoarding	N
HS200-003-SWP-0038 Powered Mobile Equipment	N
HS200-003-SWP-0039 Hoisting Rigging and Lifting	N
HS200-002-SWP-0040 Silica Exposure	N
HS200-003-SWP-0041 Working Over or Near Bodies of Water	N

2.4 SAFETY PROGRAM MAINTENANCE

This SSSP is not a static document but must be maintained throughout the life of the project. This includes but is not limited to managing new hazards, worker complacency,

and assessing the effectiveness of safety controls. The following steps will be part of the maintenance of SSSP:

- Review WHA daily and/or when site conditions change.
- Conduct daily safety meetings.
- Document tool and equipment maintenance.
- Safety inspections (including review of the WHA) and site audits (formal review of the SSSP and current site activities).

2.5 DAILY SAFETY MEETINGS

Daily safety meetings will be completed on site at the start of each day. All site personnel are required to participate in daily safety meetings. The record of the meeting and participant signatures will be recorded on SF-HS201-001 Health and Safety Toolbox Meeting. The purpose of daily safety meetings are to:

- Orientate new workers.
- Define any newly assigned tasks or site activities and the potential hazards associated with the tasks.
- Establish/confirm the safe procedures that must be followed for the job task being conducted (includes JHA and SWP).
- Coordinate the site activities of all workers on site.
- Review the WHA.
- Review the Emergency Response Plan.
- Provide opportunity for workers to provide feedback on progress of project, or express concerns regarding health and safety.
- Recommend corrective actions and follow up implemented recommendations.

2.6 PROJECT-SPECIFIC HAZARD IDENTIFICATION

The project level safety risks are those that are typically encountered in work such as this and therefore they will managed via the use of the JHA process, including:

- A review of safety risks at pre-job meeting.
- The identification and review of appropriate JHAs.

- Site modification of JHAs if and as necessary.
- Review of safety risks as daily tailgate meeting, or as conditions change.

The following project-specific Hazards/Risks have been identified:

- Driving: Field crews will be driving to and from the site and their hotel. Attention must be taken to adhere to speed limits and to drive according to conditions (i.e. weather, traffic congestion, wildlife movement etc.).
- Exposure to Contaminants and Chemicals: The materials being sampled may contain contaminants of concern. The field personnel are familiar with work of this nature and will don appropriate personal protective equipment (PPE) for the given tasks.
- Material Handling: Crews will be required to physically handle equipment and material (ladders, sample coolers, toolbox). Assistance must be obtained in the field (i.e., more than one person) where appropriate to facilitate lifting.
- Confined Space Entry: Confined space entry is not a component of this project; however, an understanding of confined space safety is.
- Falls: Inspection activities may require use of a ladder. Use of a ladder will only be completed with two workers present, including one person to hold the ladder.
- Electrocution: Inspection near electrical/lighting fixtures and associated electrocution hazards are anticipated in the project work area.
- Weather: Severe weather can be a consideration and work will cease should adverse weather conditions hinder the safe execution of the work.
- Hours of Work: As work will be completed outside of normal business hours worker fatigue needs to managed appropriately and safely. Total work hours per day will be restricted to no more than 12 hours.

3.0 PERSONAL PROTECTIVE EQUIPMENT

Required PPE will be identified based on the WHA, JHA, SWP, and/or the Health and Safety Toolbox Meeting form. PPE is considered as a “last line of defense” against hazards and will supplement administrative and/or engineering controls for the hazards.

Standard PPE on this job site will comprise:

- Hard hat
- Safety footwear
- Protective eyewear
- Hand protection

Supplementary PPE may include the following should site conditions dictate the need:

- Respiratory protective equipment (refer to HS305 Respiratory Protective Equipment)
- Tyvek suits
- Goggles
- High visibility traffic vests or clothing with traffic striping
- Flame resistant clothing
- Hearing protection
- Fall protection equipment

4.0 TRAINING

Site orientations will be conducted for all workers. Site orientations will vary in length based on the complexity of the work being conducted on the site. Orientations inform workers of the hazards present and the control measures in place. The site orientation could be conducted as part of the pre-job safety meeting at the job site when the SSSP is reviewed. Records of the orientation must be documented. On a day-to-day basis, SF HS201-001 Health and Safety Toolbox Meeting form may be used to provide an orientation. Any visitor accessing the site must complete the site orientation and sign off on the compliance with the SSSP.

Anyone commencing an activity shall have sufficient knowledge and experience to complete the activity in a safe and technically competent manner. Any worker who is asked to complete a job task for which they have not been trained should refuse to complete the task and inform the site supervisor that they require additional training. If a worker cannot be sufficiently trained to complete the job task, another worker must be assigned the job task.

Any required supplementary training such as First Aid, Workplace Hazard Materials Information System (WHMIS), and Transportation of Dangerous Goods (TDG), will be identified prior to the start of the project. Proof of training will be required for all training including certification cards, etc. before workers are allowed on the work site.

Sub-contractors are assumed to have properly trained personnel. However, if Tetra Tech observes behavior that undermines this assumption, the contractor will be notified and the work will be stopped.

5.0 EMERGENCY RESPONSE PLAN

An Emergency Response Plan (ERP) has been developed and is attached as Appendix A. The ERP contains communication procedures, emergency phone numbers, list of responsible emergency personnel, emergency and evacuation procedures, and location of and directions to the closest medical aid facility.

- As part of the ERP, the following must be adhered to:
- All workers and contractors must be familiar with the ERP.
- The ERP must be posted or available to all workers.
- Roles and responsibilities in an emergency situation must be designated.
- First aid services (i.e. first aid kits, first aid situations) that meet or exceed the required legislation for their worksite must be provided.

The site must maintain the appropriate number of Standard or Emergency First Aid trained individuals according to the local legislation.

Current Material Safety Data Sheets (MSDS) (not older than 3 years old) for all controlled products being used or stored on site must be provided and maintained on site.

The Emergency Response Procedures will be reviewed alongside the Tetra Tech safety plan while on-site at the beginning of the project and any discrepancies rectified at that time.

6.0 EQUIPMENT MAINTENANCE

The following standard rules regarding equipment maintenance will be strictly enforced.

- Prior to bringing equipment on site it must be inspected, and in proper working order.
- If identified, equipment deficiencies, defects and unsafe conditions must be promptly repaired or otherwise remedied.
- Equipment inspections should be based on manufacturer's recommendations, regulatory requirements and the worker's assessment of the risk.
- If equipment is unsafe to use, workers have the right to refuse to use equipment that is not in good working order.

7.0 INCIDENT REPORTING AND INVESTIGATION

All workers on site are required to report all incidents and hazardous situations. This includes injuries, near misses, property damage, and vehicle incidents. Details for incident reporting are provided in HS600 Incident Reporting and Investigation.
Tetra Tech uses four basic forms to document incidents:

- Near Miss Report (SF-HS600-002): Near misses are defined as an event occurs that has the potential to cause harm, injury or damage, but did not occur. The near miss report is also used to document unsafe conditions. Any near miss or unsafe condition must be reported to the site supervisor. A copy of the near miss form will be given to the Project Manager, Staff Manager and the Division HS Coordinator. Blank Near Miss reports are available from Tetra Tech's site representative and should be completed within 48 hours of the occurrence.

- Incident Report (IR_Incident Report): Incident reports are to be completed for any incident that requires first aid, medical aid, causes property damage (including vehicle incidents) and/or incurs lost time for the employee and/or contractor. Blank incident reports are available from Tetra Tech's site representative and must be completed within 48 hrs of the incident. Any critical injury must be reported to the site supervisor and government authorities immediately by the quickest means possible.

- First Aid Record Sheet (SF-HS600-003): First aid record sheets will be posted by each first aid station located on the project site. This form should be used for very minor injuries such as small cuts requiring only a bandage.

- Vehicle Incident Report (SF-HS600-005): For all vehicle incidents, the Vehicle Incident Form should be completed in addition to the Incident Report. This form assists with documenting the required information when a vehicle incident occurs and will help with any insurance claims that will be made afterwards.

All incidents that are classified as High Risk, defined as a critical injury, or require medical aid will be investigated by a qualified individual.

8.0 RESPONSIBILITIES

8.1 PROJECT MANAGEMENT AND ORGANIZATIONAL PLAN

Tetra Tech's team includes the following staff to undertake the site work:

- Project Manager: Rob Brogan will monitor task execution and budget and schedule adherence, coordinate meetings and prepare progress updates.
- Technical Lead: Shane Dooley will lead the asbestos survey.
- Environmental Scientist: Rob McManus will be assisting Shane with the site work.

8.2 SITE SUPERVISORS/WORKERS

- Read and understand this SSSP. If you have questions, ask the Project/Job Manager and/or Health and Safety Coordinator prior to the start of the project.
- Conduct/receive site safety orientations.
- Initiate and complete applicable safety documentation prior to and during project activities. If an unsafe act or situation arises, inform your supervisor before continuing the job task affected by the hazard. This applies to job tasks conducted by others that may affect the safety of the worker.
- Comply with the SSSP for all activities on site.
- Conduct inspections and report all non-compliance issues to your Project Manager.

8.3 CLIENT (PWGSC)

The client (PWGSC) Project Manager will:

- Play an active role in promoting safety interdependency among project personnel by fostering open and effective communication.
- Participate in a pre-job meeting that addresses scope of project as well as health and safety.
- Ensure a PWGSC Authorized representative is identified at the project site.

- Participate in the investigation of all major and critical incidents that occur and other less serious incidents that had the potential for high severity incidents.
- Inspect/audit the contractor activities to ensure compliance to the safety plan and applicable procedures, policies and legislation.
- Provide input to all project specific documentation (i.e. site specific safety plan and JHAs).
- Help ensure full compliance with SSSP.
- Provide input and expertise should any safety issues arise during project activities (e.g. consult incident investigation, answer general questions).
- Participate in project close-out activities (i.e. post mortem, lessons learned).

8.4 PRIME CONTRACTOR (TETRA TECH)

The Prime Contractor's responsibilities include the following:

- Preparation of the site specific safety plan, which at a minimum will include the following:
  - Pre-Job Meeting,
  - Review of Hazards and Mitigation Measures, and
  - Daily Tailgate Meetings.
- Ensuring sub-contractors are evaluated as per Tetra Tech's Health & Safety Management Program.
- Ensure sub-contractors and Tetra Tech personnel conduct the work as per the site specific safety plan, including:
  - Reporting incidents or near hits to Tetra Tech's site safety supervisor,
  - Liaise daily with Tetra Tech and the Client's Authorized Representative, and
  - Provide input in to project close out activities providing lessons learned.
- Have overall responsibility for health and safety in the area of work including, but not limited to, the protection of the general public and protection of the employees of:
  - PWGSC,
  - NRCAN,
  - The Contractor,
  - any Subcontractors,
  - any Supplier, and
  - any Other Contractors.
- Maintain its safety program in an effective and adequate manner, and if that safety program has been certified maintain that certification in good standing with the issuing authority.

- Adhere and enforce, at all times, to the requirements of this site specific safety plan.
- Be responsible for implementing health and safety laws and regulations including orders, directives, codes, guidelines, permits, licenses and municipal by-laws which apply to or otherwise affect PWGSC, the Contractor, the Construction Contractor or the Subcontractors with respect to performance of the Work.
- Monitor activities at the Site to ensure that the health and safety system is functioning properly and provide such Records as the Company may require verification that the health and safety system is functioning.
- Be familiar with and comply with proper HS&E practices & procedures.
- Be familiar with and comply with the client's safety management system.
- Use proper personal protective equipment as required.
- Manage work shifts where no one person will work in excess of 12 hours/day.
- Immediately stop work activity and notify supervisors (PWGSC /Contractor) of unsafe conditions and/or acts.
- Report incidents and learning opportunities.
- Carry out work in a manner that will not create a hazard to its own safety and health or safety of other employees or the general public. All personnel are to identify if they are requested to complete tasks that they are not trained or competent in and develop appropriate controls.
- Ensure that equipment is inspected and maintained in a safe operating condition as specified by regulations and the manufacturer.
- Suggest ways and means to reduce risk.
- Attend and participate in pre-job and toolbox / tailgate meetings.
- Actively participate in the creation of site specific Job Safety Analysis prior to executing the work.
- Attend and participate in construction safety meetings.
- Be aware of how off the job activities and lifestyle impact on the job performance.
- Understand their right and obligation to refuse and report work they consider imminently dangerous to the environment, client facilities, and themselves or any other workers.

8.4.1 PROJECT MANAGER

- Provide support (resources) for the project team to assist them in the effective management of the site specific health and safety plan.

- Review and approve the site specific safety plan.
- Conduct a review of client and subcontractor contracts and agreements.
- Participate in the investigation of all major and critical incidents that occur and other less serious incidents that had the potential for high severity incidents.
- Inspect/audit the contractor activities to ensure compliance to the safety plan and applicable procedures, policies and legislation.
- Monitoring project performance and holding the project team accountable for their individual performance.
- Ensuring the project is completed in full compliance with Tetra Tech's Health and Safety Program and the site specific safety plan.
- Conduct a pre-job meeting that addresses the scope of the project as well as health and safety.
- Ensuring that a Tetra Tech representative is present on-site throughout the duration of the field activities.
- Maintenance of effective communication amongst all of the project team members.
- Identification of appropriate personnel with the proper skill sets and competencies.

8.4.2 SITE SAFETY SUPERVISOR (I.E. PROJECT SITE LEAD)

- Conduct a pre-job meeting with the client representative and each crew at the site prior to the execution of work, including the sign-off and acceptance of the site specific safety plan.
- Provide a site specific orientation during the pre-job at each site.
- Confirmation that sub-contractors have the required training and familiarity with the site-specific health and safety plan and/or relevant documentation.
- Conduct daily safety meeting prior to start of work, during which the JHAs will be reviewed and updated as required. Safety meetings should also be held if and when required due to changing job-site conditions.
- Continuously monitor the crew's activities to ensure the work is being conducted in accordance with JHAs.
- Conduct site reporting of any incidents or near hits to the PM.
- Conducting a daily walk-down of the work site.
- The Site Safety Supervisor is to identify if they are requested to undertake tasks that he/she is not trained or competent in, and request that appropriate control or mitigative measures be put in place.

- At the conclusion of the work, report on safety performance and statistics to the PM. Retain all documentation completed on site. The documentation will be submitted to the PM upon completion of the work.
- Provide input in to project close out activities providing lessons learned.

8.4.3 FIELD STAFF

- Being familiar with the SSSP, including the relevant policies, procedures and associated forms.
- Taking precautions to protect the safety of themselves and other workers in the work area.
- Participating in company training programs and contributing the continuous improvement of the company Health and Safety program.
- Participating in the development of measurable safety metrics.
- Reporting near hits, accidents, incidents or unsafe conditions immediately to the site safety supervisor.
- Being responsible for good housekeeping practices and generally ensuring that equipment and the job site are maintained in a clean and safe condition.

APPENDIX A

ERP

TETRA TECH

EMERGENCY RESPONSE PLAN | SF-HS302-001F

WORKPLACE LOCATION:
Natural Resources Canada, Northern Forestry Building, Edmonton, Alberta.

COMMUNICATION PROCEDURES (INCLUDING ON SITE SIGNALS AND OFF-SITE COMMUNICATION):
Call emergency response if required, call PM/JM and client contact.

EMERGENCY & EVACUATION PROCEDURES:

Muster point location(s):
To be determined on-site

Emergency Situation	Evacuation/Emergency Procedure (including roles of workers)
Fire	Evacuate area to muster point, call emergency response if required, provide first aid, call PM and client contact.
Medical Aid	Call emergency response if required, provide first aid, call PM and client contact.
Inmate Attack	Call emergency response if required, provide first aid, call PM and client contact.
Emergency Facility Shutdown	Call emergency response if required, provide first aid, call PM and client contact.

FIRST AIDER(S) ON SITE (NOTE THE LEVEL OF FIRST AID TRAINING)

Rob McManus, Shane Dooley – Standard First Aid / CPR

EMERGENCY TELEPHONE NUMBERS

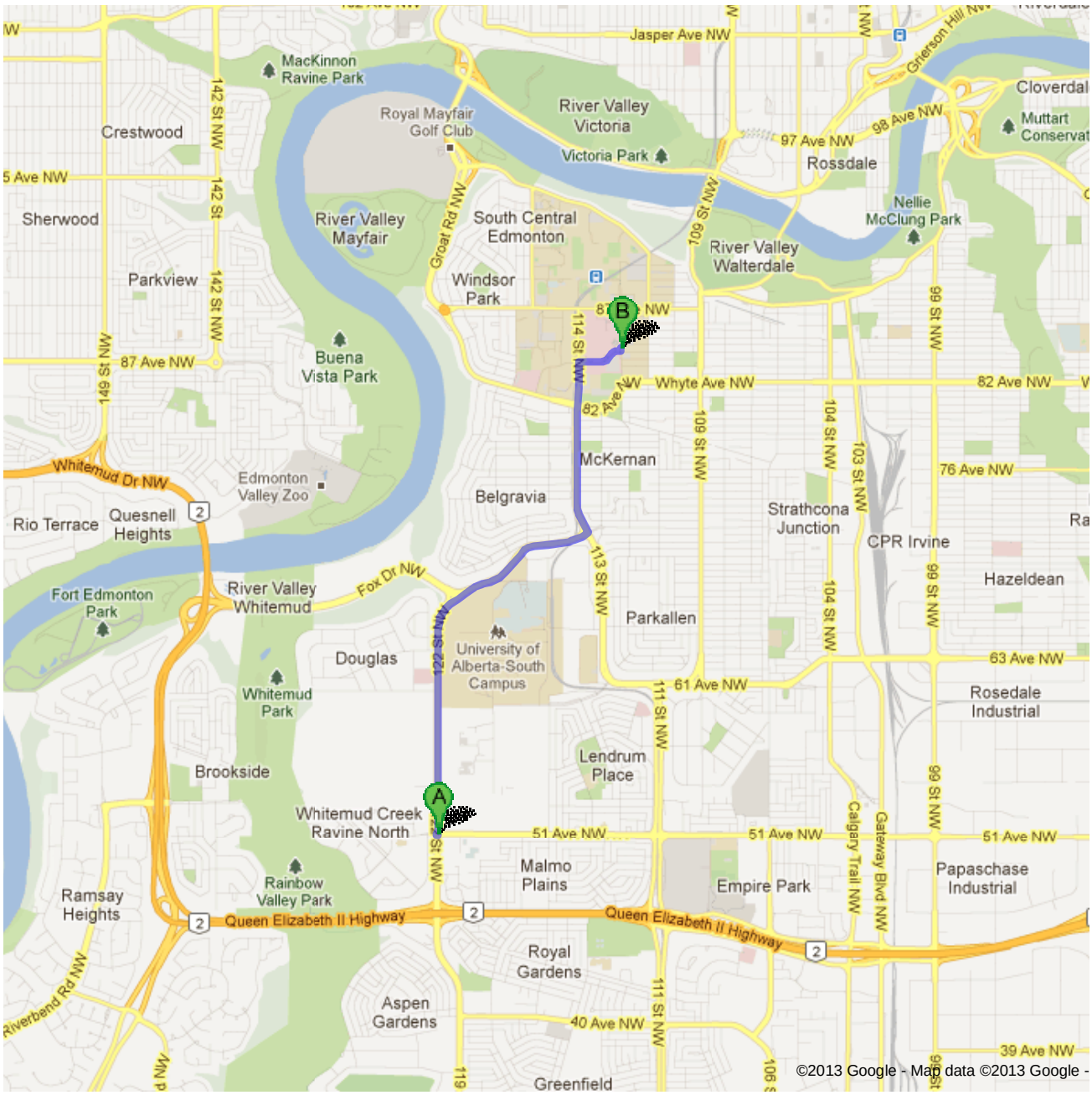
Police/Fire/Ambulance 911	**Tetra Tech** Rob Brogan – Cell: (204) 330-5471 Morgan Reid – Cell: (403) 629-5172
Hospital/medical aid facility 911 / (780) 407-8822 (University of Alberta Hospital)	**Client Contact - PWGSC** John Hogg– (780) 719-9214
CSC Security Determine on-site	**Government contact for critical injuries** AB OH&S: 1-866-415-8690
Site Contact-PWGSC Erin Stang – (587) 785-6915	**Other:**

Location (address if available) if nearest hospital or medical aid facility:

University of Alberta Hospital, 8440 112 Street Northwest Edmonton, AB T6G 2P4

Provide a sketch or drawing that shows the direction to the nearest hospital or medical aid facility.

Directions to University of Alberta Hospital
8440 112 Street Northwest, Edmonton, AB T6G 2P
4
4.5 km – about **10 mins**



Government Of Canada Northern Forestry Centre
5320 122 St NW, Edmonton, AB T6H 3S5

	1. Head **south** on **122 St NW S** toward **51 Ave NW**	go 14 m total 14 m
	2. Make a U-turn at **51 Ave NW** About 4 mins	go 1.8 km total 1.8 km
	3. Continue onto **Belgravia Rd NW N** About 1 min	go 1.0 km total 2.8 km
	4. Continue onto **71 Ave NW** About 56 secs	go 150 m total 2.9 km
	5. Turn left onto **114 St NW N** About 3 mins	go 1.3 km total 4.2 km
	6. Turn right onto **83 Ave NW**	go 350 m total 4.5 km
	7. Turn left onto **112 St NW** Destination will be on the left	go 21 m total 4.5 km

University of Alberta Hospital
8440 112 Street Northwest, Edmonton, AB T6G 2P4

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Directions weren't right? Please find your route on maps.google.ca and click "Report a problem" at the bottom left.