Ninyo & Moore
Geotechnical and Environmental Sciences Consultants

LIMITED HAZARDOUS BUILDING MATERIALS SURVEY UPDATE CITY OF DEL MAR, CITY HALL STORAGE BUILDING 1050 CAMINO DEL MAR DEL MAR, CALIFORNIA

PREPARED FOR:
City of Del Mar
Public Works Department
2240 Jimmy Durante Boulevard
Del Mar, California 92014

PREPARED BY:
Ninyo & Moore
Geotechnical and Environmental Sciences Consultants
5710 Ruffin Road
San Diego, California 92123

September 13, 2013
Project No. 107598001

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Mr. Eric Minicilli
City of Del Mar
Public Works Department
2240 Jimmy Durante Blvd.
Del Mar, California 92014

Subject: Limited Hazardous Building Materials Survey Update
City of Del Mar, City Hall Storage Building
1050 Camino Del Mar
Del Mar, California

Reference: Ninyo & Moore, 2005, Asbestos and Lead-Based Paint Survey, City of Del Mar City Hall, 1050 Camino Del Mar, Del Mar, California: dated November 8.

Dear Mr. Minicilli:

In accordance with your request and our Proposal No. P-21222B, dated August 28, 2013, Ninyo & Moore has performed a limited hazardous building materials survey update of the Storage Building at the Del Mar City Hall. The attached report presents our methodology, findings, and recommendations regarding the hazardous building materials at the Storage Building.

We appreciate the opportunity to be of service to you on this important project.

Sincerely,
NINYO & MOORE

Nicholas J. Carpenter
Senior Staff Environmental Scientist

Stephen J. Waide, CIH, CSP
Principal Environmental Scientist

NJC/SJW/gg

Distribution: (1) Addressee

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1. INTRODUCTION

In accordance with your request and our Proposal No. P-21222B, dated August 28, 2013, Ninyo & Moore has conducted a limited hazardous building materials survey update for the Storage Building at the Del Mar City Hall – Storage Building (subject building). The subject building is addressed 1050 amino Del Mar, within the city of Del Mar and county of San Diego, California (Figure 1). Our services included review of our prior hazardous building materials survey report, a supplemental asbestos-containing materials (ACM) survey, and supplemental lead-based paint (LBP) sampling.

The purpose of this survey update is to assess changes in site conditions, quantities, and/or locations of the materials and/or surfaces in the subject building, previously sampled and/or tested in the 2005 Asbestos and Lead-Based Paint Survey referenced in our opening letter, and to identify any other hazardous building materials. For the purposes of this assessment, LBP refers to lead-based paint, as defined by the California Department of Public Health (CDPH) and U.S. Department of Housing and Urban Development (HUD).

The survey update was performed in accordance with established guidelines for the assessment of ACM and LBP, and is based upon conditions of the subject building at the time of the surveying/assessment update activities.

2. OBJECTIVE AND SCOPE OF SERVICES

The purpose of this report is to provide information regarding the current site conditions to assist the City of Del Mar in assessing any hazardous conditions at the subject building. Our scope of work performed for the study is identified below.

- Reviewed Ninyo & Moore's previously prepared "Asbestos and Lead-Based Paint Survey" for the subject building in order to incorporate prior survey data into this report.
- Conducted a visual reconnaissance of the subject building to document homogeneous areas and locate suspect ACM and LBP.
- Inspected the subject building for the presence or absence of previously identified ACM and lead-containing surfaces (LCS).

- Collected ten bulk samples of suspect ACM that had not been previously evaluated and submitted them to an independent laboratory for analysis of asbestos content. Samples were analyzed via the Environmental Protection Agency (EPA) recommended method of polarized light microscopy (PLM) in accordance with EPA Method 600/R-93/116 July 93.

- Collected two paint chip samples of deteriorated suspect LBP and submitted them to an independent laboratory for analysis of lead content. Samples were analyzed for lead content utilizing Flame Atomic Absorption Spectrometry in general accordance with EPA Method 7420.

- Prepared a sample location map showing locations where suspect ACM and LBP were collected.

- Prepared this report presenting our data and summarizing our findings and recommendations regarding ACM and LBP.

3. SITE DESCRIPTION

The surveys encompassed the Storage Building at the Del Mar City Hall, located at 1050 Camino Del Mar, in the city of Del Mar, county of San Diego, California (Figure 2). The Storage Building is an approximately 3,500-square-foot two-story, wood-framed building. The exterior of the building is generally finished with stucco, and the interior of the building is generally finished with plaster over button-board panels or drywall. Floors were finished with vinyl floor tile, carpet, ceramic tile, or hard wood. Ceilings generally consisted of a drop ceiling with a tongue-and-groove acoustic ceiling tile system over plaster.

4. PHYSICAL LIMITATIONS

Survey activities were limited to the aboveground structures. Underground utilities, such as suspect cementious water lines or suspect insulated/coated gas or electrical lines were not assessed during survey activities.

Physical limitations, such as inaccessible rooms, were encountered during survey activities. Two storage rooms on the lower level were sealed and not included in this survey. In addition, since non-destructive sampling techniques were used, there is a possibility that additional suspect materials and/or surfaces may be encountered in inaccessible areas (e.g., interstitial wall and ceiling spaces and canopy soffits) during building demolition activities. For instance, untested thermal

system insulation may be present within wall and ceiling cavities and behind plumbing and heating fixtures (e.g., sinks, boilers, and radiators). Suspect materials and/or surfaces encountered during building demolition activities that have not been assessed either may be assumed to be asbestos and/or lead-containing and handled accordingly, or may be sampled and analyzed to assess whether they are asbestos and/or lead-containing.

5. SAMPLE COLLECTION AND ANALYSES

On September 5, 2013, the subject building was re-assessed for the presence of ACM and LBP. The ACM survey and limited LBP sampling followed EPA guidelines, or industry standards, within the limitations of the scope of this assessment. Survey activities are discussed below.

5.1. Supplemental Asbestos Survey

Ninyo & Moore reviewed our 2005 Asbestos and Lead-Based Paint Survey for the subject building. The purpose of the review was to obtain information on the materials sampled in the subject buildings to date. A copy of our prior Asbestos and Lead-Based Paint Survey is included in Appendix A. Ninyo & Moore's objective was to collect samples of suspect ACM observed in the subject building that had not been sampled, or that had not adequately been sampled.

The supplemental asbestos survey was performed by a State of California Certified Asbestos Consultant. Survey activities included a preliminary visual assessment and bulk sampling of suspect ACMs that had not been adequately assessed to date. Representative samples of suspect ACMs were collected after identification of homogeneous sampling areas (areas in which the materials are uniform in color, texture, construction or application date, and general appearance). Material type, location, condition, and friability were noted for each homogeneous area. For the purposes of assessment, the subject building was treated as a homogeneous area. Ten samples of suspect ACMs were collected, using EPA-recommended sampling procedures (Appendix B).

The suspect ACM samples were delivered to EMSL of San Diego, California, for analysis. EMSL is accredited in the National Voluntary Laboratory Accreditation Program for bulk asbestos fiber analysis. The samples were analyzed for the presence and quantification of asbestos fibers, using PLM with dispersion staining, in accordance with EPA Method 600/R-93/116 July 93. Due to material layering, 14 separate PLM analyses were performed. The lower limit of reliable detection for asbestos using the PLM method is approximately 1% by weight. Currently, the EPA and the State of California stipulate that materials containing greater than 1% asbestos constitute an ACM and the State of California stipulates that a material containing greater than 0.1% asbestos constitutes an asbestos-containing construction material (ACCM).

Building materials that were sampled and analyzed for the presence of asbestos in our 2005 survey and this survey update are presented in the attached Table 1, and the locations from which bulk asbestos samples were collected during our survey update are shown on Figure 3. Copies of the laboratory analytical report and chain-of-custody records for this survey update are presented in Appendix C.

5.2. Lead-Containing Surfaces Survey

Ninyo & Moore reviewed our 2005 Asbestos and LBP Survey, to obtain information on the surfaces tested for the presence of lead in the subject building (Appendix A). Ninyo & Moore's objective was to test deteriorated suspect LBP observed in the subject building. For the purposes of this assessment, LBP refers to lead-based paint, as defined by CDPH and HUD.

The paint-chip sampling was conducted by a CDPH-certified Lead Inspector/Assessor in accordance with accepted environmental science and engineering practices for renovation projects. Survey activities included a preliminary visual assessment of deteriorated painted surfaces and collection of paint chip samples from these surfaces. A total of two paint-chip samples were collected, using EPA-recommended sampling procedures.

Paint chip samples were delivered to LA Testing of South Pasadena, California, which is also accredited by the American Industrial Hygiene Association Environmental Lead Laboratory Accreditation and CDPH for environmental lead analysis. The samples were analyzed by Flame Atomic Absorption Spectrometry in general accordance with EPA Method 7420. Currently, the EPA and the State of California stipulate that surfaces with a lead content greater than 0.5% by weight constitute a "lead-based paint". Paint chip sample results are summarized in Table 3, and a copy of the laboratory analytical report and chain-of-custody record are included in Appendix C.

Building components that were tested for the presence of lead in our 2005 survey are presented in the attached Table 4. A copy of CDPH form 8552 "Lead Hazard Evaluation Report" for subject building is included in Appendix D.

6. FINDINGS AND RECOMMENDATIONS

The findings of these surveys are based on our visual observations and analysis of suspect building materials. Our findings are presented below.

6.1. Asbestos

Based on the analytical results of bulk samples collected during Ninyo & Moore's survey, ACMs and ACCMs are located within the subject building. Building materials that were sampled and tested for asbestos content can be found in the attached Table 1. Since ACMs and ACCMs have been identified, the following recommendations and precautions are provided:

- The presence of ACMs and ACCMs in a building does not necessarily mean that the health of the occupants is endangered. If these materials are in good condition and have not been disturbed, exposures are expected to be negligible. However, when ACM and ACCM deteriorates, is in damaged condition, or is disturbed, such as during renovation or demolition operations, asbestos fibers may be released, creating a potential health hazard.

- Applicable laws and regulations should be followed, including those provisions requiring notification to building renovation and demolition contractors regarding the presence of ACM and the management of these ACMs.

- The following immediate precautions should be taken prior to any repair, renovation or demolition activities that would involve ACMs and ACCMs:
    - ACMs and ACCMs should not be disturbed (scraped, cut, broken, sawed, sanded, drilled, etc.) and should be monitored for deterioration that may release asbestos fibers; and,
    - Federal, state, and local regulations should be followed for the removal and disposal of ACMs.

Additionally, materials which were not sampled as part of this assessment, that are uniform in color, texture, construction or application date, and/or general appearance to materials found to be asbestos-containing, should be presumed to be asbestos-containing. The identified ACMs should not be disturbed. Prior to building renovation and/or demolition, a licensed asbestos abatement contractor should remove the ACMs in accordance with federal, state and local regulations. **It is the contractor's responsibility to confirm ACM locations and quantities prior to bid submittals and initiating demolition activities for the subject building.**

Should additional suspect materials, not sampled or assessed in this report, be uncovered during building demolition: (a) samples of suspect materials should be collected for laboratory analysis, and all activities that may impact the materials should cease until laboratory analytical results are reviewed; or (b) the materials should be assumed to be asbestos-containing and handled as such. Note that any work involving the disturbance of materials containing asbestos should be performed using appropriate work practices, and be conducted by, and under the supervision of, properly trained, experienced, and certified personnel.

6.2. Lead-Containing Surfaces

Based on the results of the XRF assays collected during the 2005 survey and this limited deteriorated paint chip sampling, surfaces containing concentrations of lead greater than or equal to 1.0 mg/cm^2 or 0.5%, by weight, were identified at the subject building. Surfaces with a lead content exceeding the regulatory standard for lead in surface coatings can be found in Tables 2 and 3.

The identified LCSs should be handled by an appropriately licensed contractor in accordance with all federal, state, and local regulations. Prior to building renovation and/or demolition activities that will disturb these materials, a licensed contractor, preferably using CDPH-certified personnel, should perform the LCS abatement in accordance with local, state, and federal regulations. **It is the contractor's responsibility to confirm LCS quantities and locations prior to bid submittals and initiating renovation and/or demolition activities for the subject building.** The Contractor is also responsible for waste characterization for all materials removed from the subject building.

Please note that disturbing surfaces containing lead concentrations below the LCS criteria, as defined by CDPH and HUD, (e.g., lead concentrations less than 1.0 mg/cm^2 or 0.5%, by weight) may trigger the California Occupational Safety and Health Administration (Cal-OSHA) lead in construction standard (e.g., Title 8, CCR Section 1532.1). In addition, please note that LCS condition was not updated from the 2005 report during survey update activities at the request of the City of Del Mar.

Should suspect surfaces, not sampled or assessed in this report, be uncovered during building renovation/demolition: (a) samples of suspect surfaces should be collected for laboratory analysis and/or XRF testing of the suspect surfaces, and all activities that impact the suspect surfaces should cease until laboratory analytical results are reviewed and/or XRF testing results become available; or (b) the surfaces should be assumed to contain concentrations of lead greater than or equal to 1.0 mg/cm^2 or 0.5%, by weight, and handled as such.

7. LIMITATIONS

Ninyo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited sampling and chemical analysis. Further assessment of potential adverse environmental impacts may be accomplished by conducting a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the areas evaluated. However, if additional suspect building materials are encountered during demolition activities, these materials should be sampled by qualified personnel, and

analyzed for content prior to further disturbance. In addition, please note that quantities of impacted building materials are approximate. It is the contractor's responsibility to confirm quantities present.

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard of care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the subject site. The testing and analyses have been conducted by an independent laboratory that is certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results. Please note the laboratory analytical report states "Due to the magnification limitations inherent in PLM, asbestos fibers below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testings by transmission electron microscopy to confirm asbestos quantities."

Our findings, opinions, and recommendations are based on an analysis of the observed site conditions. It should be understood that the conditions of a site can change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

SOURCE: 2008 Thomas Guide for San Diego County, Street Guide and Directory; Map © Rand McNally, R.L.07-S-129

MAP INDEX

SCALE IN FEET

0 1,200 2,400 4,800

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE

Ninyo & Moore	SITE LOCATION	FIGURE
PROJECT NO. 107598001 / DATE 9/13	CITY OF DEL MAR - CITY HALL BUILDINGS 1050 CAMINO DEL MAR DEL MAR, CALIFORNIA	1

1_107598001_SL.mxd AOB

SOURCE: AERIAL IMAGERY - PHOTO DATE: FEB 11, 2010, ESRI, I-CUBED, USDA FSA, USGS, AEX, GEOEYE, GETMAPPING, AEROGRID, IGP.

N

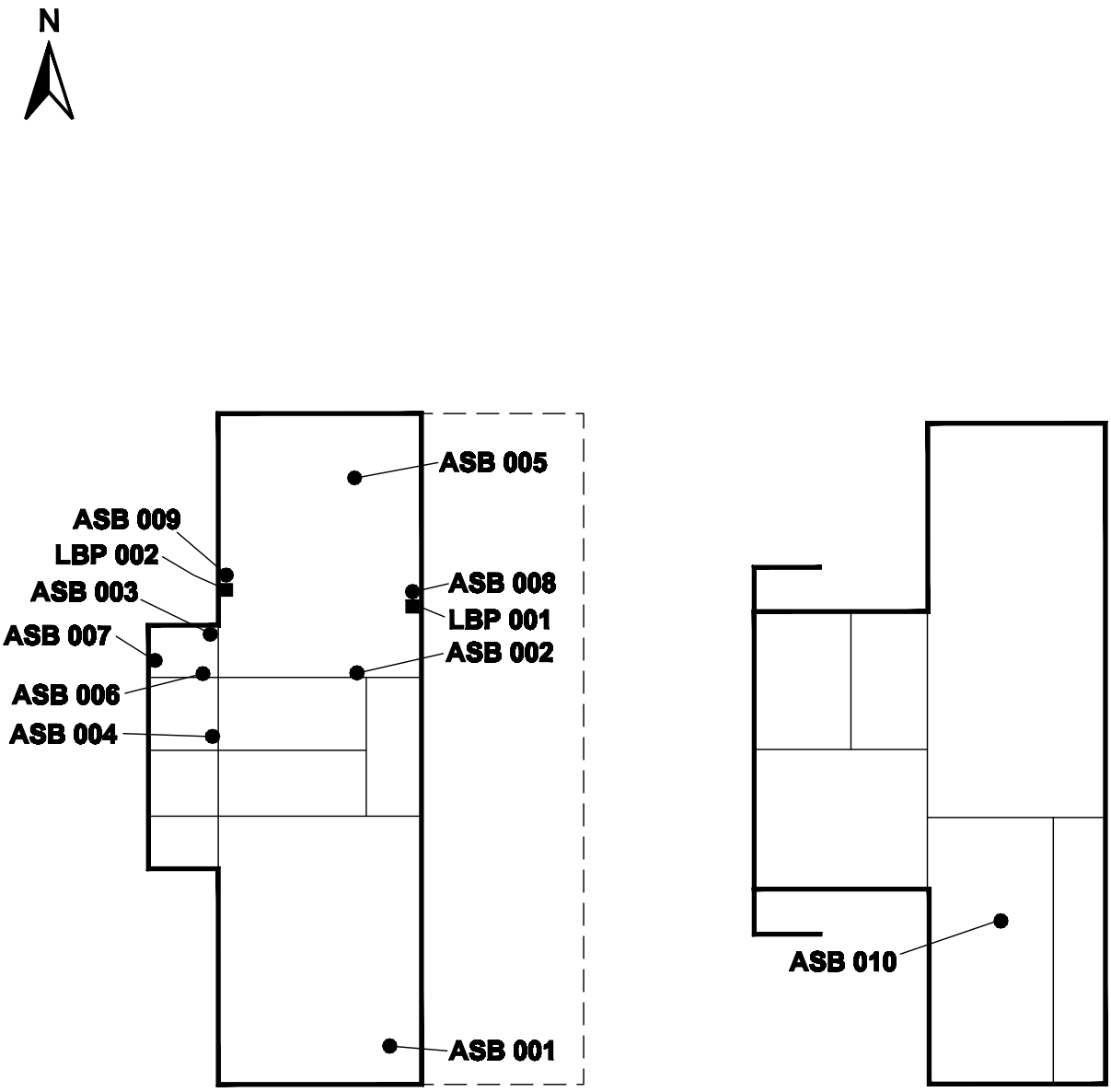
SCALE IN FEET

0 30 60 120

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE

Ninyo & Moore		SITE PLAN	FIGURE
PROJECT NO.	DATE	CITY OF DEL MAR - CITY HALL BUILDINGS 1050 CAMINO DEL MAR DEL MAR, CALIFORNIA	2
107598001	9/13		

2_107598001_SP.mxd AOB



LEGEND	
● ASB 010	ASBESTOS SAMPLE
■ LBP 002	LEAD-BASED PAINT SAMPLE

SCALE IN FEET

0 20 40

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE

3 107598001 spl.dwg

Ninyo & Moore	SAMPLE LOCATIONS - MAIN LEVEL AND LOWER LEVEL	FIGURE
PROJECT NO. 107598001 / DATE 9/13	CITY OF DEL MAR - CITY HALL BUILDINGS 1050 CAMINO DEL MAR DEL MAR, CALIFORNIA	3

Table 1 - Asbestos Survey Results

Sample No.	Bldg. No.	Room No.	Sample Location	Sample Description	Approx. Quantity (1)	Friable Y/N	Condition	Asbestos Content
ASB-001	Storage	Main 1	Southeast corner floor	Yellow carpet mastic	--	N/A	N/A	ND
ASB-002	Storage	Main 2	South middle wall, at damage	Brown chalkboard mastic	--	N/A	N/A	ND
ASB-003	Storage	Closet 4	Southeast floor	12"x12" beige vinyl floor tile	--	N/A	N/A	ND
ASB-003A	Storage	Closet 4	Southeast floor	Yellow mastic associated with	--	N/A	N/A	ND
ASB-003B	Storage	Closet 4	Southeast floor	Black felt associated with ASB-003	--	N/A	N/A	ND
ASB-004	**Storage**	**Kitchen**	**East middle edge floor**	**9"x9" blue vinyl floor tile**	**75 SF**	**N**	**Good**	**5% chrysotile**
ASB-004A	Storage	Kitchen	East middle edge floor	Black mastic associated with ASB-	--	N/A	N/A	ND
ASB-005	Storage	Main 2	Northeast floor	Black carpet mastic/pad	--	N/A	N/A	ND
ASB-006	Storage	Kitchen	Northeast corner wall	Brown basecove mastic	--	N/A	N/A	ND
ASB-007	Storage	Closet 4	West middle wall, under window	Beige plaster - skim coat	--	N/A	N/A	ND
ASB-008	Storage	Main 2	Southeast wall, above door	Cream plaster - skim coat	--	N/A	N/A	ND
ASB-009	Storage	Main 2	Southwest ceiling	Tan ceiling plaster	--	N/A	N/A	ND
ASB-010	Storage	Lower	Central ceiling	White drywall	--	N/A	N/A	ND
ASB-010A	Storage	Lower Storage	Central ceiling	White joint compound	--	N/A	N/A	0.50% chrysotile (PT)
PREVIOUS REPORT (Ninyo and Moore, 2005)								
NM03-ASB001	File	Main	Southwest corner	Gray plaster	--	N/A	N/A	ND
NM03-ASB002	File	Main	South wall behind blackboard	Gray plaster	--	N/A	N/A	ND
NM03-ASB003	File	Main	North wall between windows	Gray plaster	--	N/A	N/A	ND
NM03-ASB004	File	Main	West wall, ceiling	White acoustic ceiling tile	--	N/A	N/A	ND
NM03-ASB005	File	Main	Northwest corner by heater	White acoustic ceiling tile	--	N/A	N/A	ND
NM03-ASB006	File	Main	Center of room, ceiling	White acoustic ceiling tile	--	N/A	N/A	ND
NM03-ASB007	File	Main	South corner by stairs	Gray stucco	--	N/A	N/A	ND
NM03-ASB008	File	Main	East wall next to glass door	Gray stucco	--	N/A	N/A	ND
NM03-ASB009	File	Main	Southwest corner	Gray stucco	--	N/A	N/A	ND
NM03-ASB010A	File	**Lower**	**Southwest floor**	**Brown 9"x9" vinyl floor tile**	**800 SF**	**N**	**Good**	**5% chrysotile**
NM03-ASB010B	File Storage	Lower	Southwest floor	Black mastic associated with NM03-ASB010A	--	N/A	N/A	ND
NM03-ASB011A	File Storage	**Lower**	**Northeast floor**	**Brown 9"x9" vinyl floor tile**	**See NM03-ASB010A**	**N**	**Good**	**5% chrysotile**
NM03-ASB011B	File Storage	Lower	Northeast floor	Black mastic associated with NM03-ASB011A	--	N/A	N/A	ND

Table 1 - Asbestos Survey Results

Sample No.	Bldg. No.	Room No.	Sample Location	Sample Description	Approx. Quantity (1)	Friable Y/N	Condition	Asbestos Content
NM03-ASB012A	File Storage	**Lower**	**Northwest floor**	**Brown 9"x9" vinyl floor tile**	**See NM03-ASB010A**	**N**	**Good**	**5% chrysotile**
NM03-ASB012B	File Storage	Lower	Northwest floor	Black mastic associated with NM03-ASB012A	--	N/A	N/A	ND
NM03-ASB013	File	Main	East wall near hallway	Black base cove	--	N/A	N/A	ND
NM03-ASB013	File Storage	Main	East wall near hallway	Yellow glue associated with NM03-ASB013A	--	N/A	N/A	ND
NM03-ASB014A	File	Main	Center wall	Black base cove	--	N/A	N/A	ND
NM03-ASB014B	File Storage	Main	Center wall	Yellow glue associated with NM03-ASB014A	--	N/A	N/A	ND
NM03-ASB015A	File	Main	West wall	Black base cove	--	N/A	N/A	ND
NM03-ASB015B	File Storage	Main	West wall	Yellow glue associated with NM03-ASB015A	--	N/A	N/A	ND
NM03-ASB016	File	Lower	Roof over women's restroom	Black roof core	--	N/A	N/A	ND
NM03-ASB017A	File	Lower	North wall over door	White drywall	--	N/A	N/A	ND
NM03-ASB017B	File Storage	Lower	North wall over door	White joint compound	See NM03-ASB022B	Y	Good	<0.1% chrysotile (PT)
NM03-ASB018	File	Lower	Southeast wall over bookcase	White drywall	--	N/A	N/A	ND
NM03-ASB019	File Storage	Lower	West wall between window	White plaster	--	N/A	N/A	<0.1% chrysotile (PT)
NM03-ASB020	File	Lower	Entry door, ceiling	White drywall	--	N/A	N/A	ND
NM03-ASB021A	File	Lower	North ceiling	White drywall	--	N/A	N/A	ND
NM03-ASB021B	File Storage	Lower	North ceiling	White joint compound	See NM03-ASB022B	Y	Good	<0.1% chrysotile (PT)
NM03-ASB022A	File	Lower	Southeast ceiling	White drywall	--	N/A	N/A	ND
NM03-ASB022B	File Storage	Lower	Southeast ceiling	White joint compound	1,100 SF	Y	Good	0.1% chrysotile (PT)
NM03-ASB023A	File	Main	Southeast brick column	Green skim coat	--	N/A	N/A	ND
NM03-ASB023B	File	Main	Southeast brick column	Gray base coat	--	N/A	N/A	ND
NM03-ASB024A	File	Lower	Exterior west wall, womens restroom	White skim coat	--	N/A	N/A	ND
NM03-ASB024B	File	Lower	Exterior west wall, womens restroom	Gray base coat	--	N/A	N/A	ND
NM03-ASB025	File	Roof	Roof, southwest	Black roof core	--	N/A	N/A	ND
NM03-ASB026	File	Roof	Roof, northeast	Black roof core	--	N/A	N/A	ND

Table 1 - Asbestos Survey Results

Sample No.	Bldg. No.	Room No.	Sample Location	Sample Description	Approx. Quantity (1)	Friable Y/N	Condition	Asbestos Content
NM03-ASB027	File	Roof	Roof, center, roof vent	Black mastic	--	N/A	N/A	ND
NM03-ASB028	File	Roof	Roof, northwest parapet wall	Black mastic	--	N/A	N/A	ND
NM03-ASB029	File	Roof	Roof, east center	Black roof core	--	N/A	N/A	ND
NM03-ASB030	File	**Roof**	**Roof, west wall center**	**Black mastic**	**150 SF**	**N**	**Good**	**7% chrysotile**
NM03-ASB031A	File	Lower	Men's restroom, west wall, entry	Tan drywall	--	N/A	N/A	ND
NM03-ASB031B	File	Lower	Men's restroom, west wall, entry	White joint compound	--	N/A	N/A	ND
NM03-ASB032A	File	Lower	Men's restroom, south wall, toilet	Tan drywall	--	N/A	N/A	ND
NM03-ASB032B	File	Lower	Men's restroom, south wall, toilet	White joint compound	--	N/A	N/A	ND
NM03-ASB033	Main	Lower	Floor next to copier	Tan base cove	--	N/A	N/A	ND
NM03-ASB034	Main	Lower	Breakroom, northeast corner	White ceiling tile	--	N/A	N/A	ND
NM03-ASB035A	Main	Lower	Breakroom behind entry door	Gray sheet vinyl floor - layer 1	--	N/A	N/A	ND
NM03-ASB035B	Main	Lower	Breakroom behind entry door	Gray sheet vinyl floor - layer 2	--	N/A	N/A	ND
NM03-ASB036A	Main	Lower	Breakroom behind entry door	Tan drywall	--	N/A	N/A	ND
NM03-ASB036B	Main	Lower	Breakroom behind entry door	White joint compound	--	N/A	N/A	ND
NM03-ASB037	Main	Lower	Entry, finance dept., north wall	White ceiling tile	--	N/A	N/A	ND
NM03-ASB038A	Main	Lower	Entry, finance dept., door jamb	Tan base cove	--	N/A	N/A	ND
NM03-ASB038B	Main	Lower	Entry, finance dept., door jamb	Yellow glue associated with NM03-ASB038A	--	N/A	N/A	ND
NM03-ASB039A	Main	Lower	Entry, finance dept., north wall	White drywall	--	N/A	N/A	ND
NM03-ASB039B	Main	Lower	Entry, finance dept., north wall	White joint compound	--	N/A	N/A	ND
NM03-ASB040	Main	Lower	East wall, ceiling, middle	White ceiling tile	--	N/A	N/A	ND
NM03-ASB041A	Main	Lower	Northeast wall, center	Tan base cove	--	N/A	N/A	ND
NM03-ASB041B	Main	Lower	Northeast wall, center	Brown mastic associated with NM03-ASB041A	--	N/A	N/A	ND
NM03-ASB042	Main	Lower	West wall, center above window	Gray stucco	--	N/A	N/A	ND
NM03-ASB043	Main	Lower	South wall, center by stairs	Gray stucco	--	N/A	N/A	ND
NM03-ASB044	Main	Lower	North wall, center by electric	Gray stucco	--	N/A	N/A	ND
NM03-ASB045A	Main	Main	Northwest wall, computer room	White acoustic ceiling tile	--	N/A	N/A	ND
NM03-ASB045B	Main	Main	Northwest wall, computer room	Brown mastic associated with NM03-ASB045A	--	N/A	N/A	ND
NM03-ASB046	Main	Main	Center	White acoustic ceiling tile	--	N/A	N/A	ND
NM03-ASB047	Main	Main	Northwest corner	White acoustic ceiling tile	--	N/A	N/A	ND
NM03-ASB048	*Sample not collected*							

Table 1 - Asbestos Survey Results

Sample No.	Bldg. No.	Room No.	Sample Location	Sample Description	Approx. Quantity (1)	Friable Y/N	Condition	Asbestos Content
NM03-ASB049	Main	Main	File storage room, west wall	Tan base cove	--	N/A	N/A	ND
NM03-ASB050	Main	Main	South, exterior wall	Tan base cove	--	N/A	N/A	ND
NM03-ASB051	Main	Main	West wall under draft tables	Tan base cove	--	N/A	N/A	ND
NM03-ASB052A	Main	Main	Interior partition wall, break room	White drywall	--	N/A	N/A	ND
NM03-ASB052B	Main	Main	Interior partition wall, break room	White joint compound	--	N/A	N/A	ND
NM03-ASB053A	Main	Main	Partition wall, file room	White drywall	--	N/A	N/A	ND
NM03-ASB053B	Main	Main	Partition wall, file room	White joint compound	--	N/A	N/A	ND
NM03-ASB054A	Main	Main	Southeast wall over bookcase	White drywall	--	N/A	N/A	ND
NM03-ASB054B	Main	Main	Southeast wall over bookcase	White joint compound	--	N/A	N/A	ND
NM03-ASB055	Main	Main	Lobby, southeast corner	Yellow carpet mastic	--	N/A	N/A	ND
NM03-ASB056	Main	Main	Main room, northwest corner	Yellow carpet mastic	--	N/A	N/A	ND
NM03-ASB057A	Main	Main	Main room, southeast corner	Orange carpet mastic	--	N/A	N/A	ND
NM03-ASB057B	**Main**	**Main**	**Main room, southeast corner**	**Black carpet mastic**	**2,000 SF**	**N**	**Good**	**4% chrysotile**
NM03-ASB058	Main	Roof	Low roof, front	Black roof core	--	N/A	N/A	ND
NM03-ASB059	Main	Roof	Main roof, southwest corner	Black roof core	--	N/A	N/A	ND
NM03-ASB060	Main	Roof	Main roof, north end	Black roof core	--	N/A	N/A	ND
NM03-ASB061	Main	Roof	Main roof, north center at vent	Black roof mastic	--	N/A	N/A	ND
NM03-ASB062	Main	Roof	Main roof, southwest corner at pipe	Black roof mastic	--	N/A	N/A	ND
NM03-ASB063	Main	Roof	East roof, south at column	Black roof mastic	--	N/A	N/A	ND
NM03-ASB064	Main	Roof	East roof, HVAC ducts	Gray HVAC duct tape	--	N/A	N/A	ND
NM03-ASB065	Main	Roof	East roof, HVAC ducts	Gray HVAC duct sealant	--	N/A	N/A	ND

NOTES:

Bulk asbestos sample analysis via USEPA 600/R-93/116 method using polarized light microscopy, unless otherwise noted.

(1) = Material quantities are approximate and are not intended to be used or interpreted as actual quantities. It is the contractor's responsibility to confirm material quantities prior to bid submittals and initiating renovation and/or demolition activities at the site.

SF = Square feet

N/A = Not applicable

ND = None detected

(PT) = 1,000 point, point-count results

Table 2 - Paint Chip Sampling Results

Sample ID	Bldg.	Room No.	Sample Location	Component	Sample Description (Color / Layers / Substrate)	Condition	Total Lead (percent by weight)
LPB-001	Storage	Main 2	East middle wall, above door	Wall	White/3/plaster	Poor	0.4
LBP-002	Storage	Main 2	West middle wall, above window	Wall	White/3/plaster	Poor	0.083

NOTES:

Samples analyzed by Flame Atomic Absorption Spectrometry (AAS) by USEPA Test Methods for Evaluating Solid Wastes SW 846 Series Method 7420

Table 3 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
1	--	--	Shutter Calibration						0.0	--	--	NA	--
2	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.11	0.11
3	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.12	0.08
4	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.07	0.07
File Storage Building													
5	Main	A	South room	Wall	Wall	Plaster	Intact	White	5.5	NEG	--	0.37	0.30
6	Main	A	South room	Door	Door	Wood	Intact	White	6.5	NEG	--	0.03	0.08
7	Main	A	South room	Door	Casing	Wood	Intact	White	4.1	NEG	--	0.17	0.34
8	Main	A	South room	Door	Jamb	Wood	Intact	White	1.0	NEG	--	0.00	0.09
9	Main	A	South room	Door	Sash	Wood	Intact	White	1.0	NEG	--	0.00	0.09
10	Main	A	South room	Door	Casing	Wood	Intact	White	1.4	NEG	--	0.01	0.12
11	Main	C	South room	Wall	Wall	Plaster	Intact	White	2.0	NEG	--	0.00	0.07
12	Main	C	South room	Window	Sash	Wood	Intact	White	2.6	NEG	--	0.07	0.27
13	Main	C	South room	Window	Casing	Wood	Intact	White	2.3	NEG	--	0.11	0.21
14	Main	C	South room	Window	Trough	Wood	Intact	White	1.3	NEG	--	0.06	0.10
15	Main	C	South room	Window	Apron	Wood	Intact	White	1.0	NEG	--	0.00	0.05
16	Main	C	South room	Wall	Crown mold	Wood	Intact	White	1.0	NEG	--	0.01	0.01
17	Main	D	South room	Door	Casing	Wood	Intact	White	4.8	NEG	--	0.21	0.34
18	Main	D	South room	Door	Jamb	Wood	Intact	White	4.1	NEG	--	0.21	0.35
19	Main	A	North room	Wall	Wall	Plaster	Poor	Light green	4.2	NEG	--	0.27	0.23
20	Main	A	North room	Door	Door	Wood	Intact	Light green	1.0	NEG	--	0.00	0.09
21	Main	A	North room	Door	Door	Wood	Fair	Pink	1.5	NEG	--	0.09	0.12
22	Main	A	North room	Door	Casing	Wood	Fair	Pink	1.4	NEG	--	0.10	0.12
23	Main	A	North room	Door	Jamb	Wood	Fair	Pink	3.6	NEG	--	0.32	0.28
24	Main	A	North room	Wall	Crown mold	Wood	Intact	Light green	1.0	NEG	--	0.02	0.02
25	Main	B	North room	Chalkboard	Upper trim	Wood	Intact	Pink	2.5	NEG	--	0.09	0.23
26	Main	B	North room	Chalkboard	Tray	Wood	Intact	Pink	1.7	NEG	--	0.15	0.16
27	Main	B	North room	Door	Door	Wood	Intact	Pink	2.0	NEG	--	0.15	0.19
28	Main	B	North room	Door	Casing	Wood	Intact	Pink	2.4	NEG	--	0.18	0.24

Table 3 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
29	Main	B	North room	Door	Jamb	Wood	Intact	Pink	1.7	NEG	--	0.11	0.15
30	Main	D	North room	Window	Sash	Wood	Intact	Pink	1.9	NEG	--	0.16	0.18
31	Main	D	North room	Window	Casing	Wood	Intact	Pink	2.7	NEG	--	0.21	0.28
32	Main	D	North room	Window	Trough	Wood	Intact	Pink	2.7	NEG	--	0.16	0.26
33	Main	D	North room	Window	Apron	Wood	Intact	Pink	3.5	NEG	--	0.25	0.30
34	**Main**	**D**	**North room**	**Corkboard**	**Corkboard**	**Cork**	**Intact**	**Light green**	**2.9**	**POS**	**150 LF**	**2.23**	**0.98**
35	Main	D	North room	Corkboard	Trim	Wood	Intact	Light green	1.0	NEG	--	0.01	0.08
36	Main	--	North room	Ceiling	Ceiling tile	Acoustic	Intact	White	1.3	NEG	--	0.01	0.18
37	Main	--	North room	Ceiling	I-beam	Metal	Intact	White	2.1	NEG	--	0.26	0.22
38	Main	--	North room	Ceiling	Support	Metal	Intact	White	2.3	NEG	--	0.35	0.26
39	Main	--	North room	Ceiling	Diagonal support	Metal	Intact	White	2.3	NEG	--	0.31	0.21
40	Main	--	North room	Ceiling	Ceiling	Plaster	Intact	White	2.3	NEG	--	0.33	0.26
41	Main	C	North room	Wall	Baseboard	Wood	Intact	Pink	3.3	NEG	--	0.60	0.24
42	Main	D	North room	Wall	Wall	Wood	Intact	White	1.0	NEG	--	0.00	0.06
43	Main	A	Exterior	Wall	Wall	Stucco	Intact	Blue/gray	2.5	NEG	--	0.02	0.19
44	Main	A	Exterior	Overhang	Ceiling	Stucco	Intact	Blue/gray	1.0	NEG	--	0.00	0.09
45	Main	A	Exterior	Overhang	Beam	Wood	Intact	Blue	1.3	NEG	--	0.03	0.10
46	Main	A	Exterior	Overhang	Trim	Wood	Intact	Blue	2.7	NEG	--	0.08	0.26
47	Main	A	Exterior	Door	Door	Wood	Intact	Blue	1.0	NEG	--	0.00	0.07
48	Main	A	Exterior	Door	Casing	Wood	Intact	Blue	1.0	NEG	--	0.00	0.10
49	Main	A	Exterior	Door	Door	Wood	Intact	Blue/gray	2.1	NEG	--	0.02	0.16
50	**Main**	**A**	**Exterior**	**Stairs**	**Tread**	**Concrete**	**Intact**	**Yellow**	**1.0**	**POS**	**350 LF**	**0.95**	**0.06**
51	**Main**	**A**	**Exterior**	**Stairs**	**Tread**	**Concrete**	**Intact**	**Yellow**	**1.0**	**POS**	**See Reading No. 50**	**0.98**	**0.09**
52	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.09	0.07
53	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.13	0.12
54	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.11	0.12
55	Lower	C	Exterior	Wall	Wall	Stucco	Intact	Blue/gray	2.8	NEG	--	0.01	0.09

Table 3 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
56	Lower	C	Exterior	Door	Door	Wood	Intact	Blue	1.0	NEG	--	0.01	0.11
57	**Lower**	**C**	**Exterior**	**Door**	**Casing**	**Wood**	**Intact**	**Blue/gray**	**8.4**	**POS**	**15 LF**	**6.75**	**2.33**
58	**Lower**	**C**	**Exterior**	**Door**	**Jamb**	**Wood**	**Intact**	**Blue/gray**	**10.0**	**POS**	**15 LF**	**2.54**	**0.95**
59	Lower	C	Exterior	Window	Sash	Metal	Intact	Blue	1.0	NEG	--	0.00	0.10
60	**Lower**	**C**	**Exterior**	**Window**	**Casing**	**Metal**	**Intact**	**Blue**	**7.9**	**POS**	**40 LF**	**11.89**	**2.90**
61	Lower	C	Exterior	Wall	Wall	Stucco	Intact	Blue/gray	4.0	NEG	--	0.03	0.14
62	Lower	C	Exterior	Bath canopy	Wall	Wood	Intact	Blue	1.0	NEG	--	0.00	0.08
63	Lower	C	Exterior	Bath canopy	Post	Wood	Intact	Blue	2.4	NEG	--	0.01	0.14
64	Lower	C	Exterior	Bath canopy	Ceiling	Wood	Intact	Blue	4.5	NEG	--	0.08	0.28
65	Lower	C	Exterior	Door	Door	Wood	Intact	Blue	1.7	NEG	--	0.13	0.16
66	Lower	C	Exterior	Door	Casing	Wood	Intact	Light green	1.0	NEG	--	0.04	0.05
67	Lower	C	Exterior	Door	Jamb	Wood	Intact	Light green	1.0	NEG	--	0.03	0.07
68	Lower	C	Exterior	Bathroom	Door	Wood	Intact	Blue	1.0	NEG	--	0.00	0.08
69	Lower	C	Exterior	Door	Casing	Wood	Intact	Blue	1.0	NEG	--	0.00	0.09
70	Lower	C	Exterior	Door	Jamb	Wood	Intact	White	1.0	NEG	--	0.00	0.05
71	--	--	Shutter Calibration						0.0	--	--	NA	--
72	**Main**	**C**	**Exterior**	**Window**	**Sash**	**Wood**	**Intact**	**Blue**	**1.9**	**POS**	**200 LF**	**1.98**	**0.46**
73	**Main**	**C**	**Exterior**	**Window**	**Casing**	**Wood**	**Intact**	**Blue**	**6.2**	**POS**	**200 LF**	**4.91**	**1.87**
74	Lower	C	Storage	Wall	Wall	Plaster	Intact	White	4.5	NEG	--	0.06	0.23
75	**Lower**	**C**	**Storage**	**Window**	**Casing**	**Wood**	**Intact**	**White**	**5.0**	**POS**	**40 LF**	**4.27**	**1.59**
76	Lower	C	Storage	Window	Trough	Wood	Fair	White	1.5	NEG	--	0.09	0.12
77	Lower	C	Storage	Window	Apron	Wood	Intact	White	1.8	NEG	--	0.14	0.16
78	Lower	B	Storage	Cabinet	Wall	Wood	Intact	Orange	1.6	NEG	--	0.13	0.14
79	Lower	B	Storage	Cabinet	Wall	Wood	Intact	Green	1.0	NEG	--	0.07	0.03
80	Lower	B	Storage	Wall	Wall	Concrete	Intact	Green	1.8	NEG	--	0.01	0.18
81	Lower	--	Storage	Ceiling	Ceiling	Drywall	Intact	White	1.0	NEG	--	0.00	0.01
82	**Lower**	**--**	**Storage**	**Ceiling**	**Beam**	**Wood**	**Intact**	**Pink**	**2.9**	**POS**	**40 LF**	**1.81**	**0.70**
83	**Lower**	**A**	**Storage**	**Wall**	**Wall**	**Corkboard**	**Intact**	**White**	**2.8**	**POS**	**200 SF**	**0.96**	**0.16**
84	Lower	A	Storage	Wall	Wall	Wood	Intact	White	1.0	NEG	--	0.00	0.10
85	Lower	A	Storage	Door	Crown mold	Wood	Intact	White	1.0	NEG	--	0.00	0.10

Table 3 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
86	**Lower**	**B**	**Storage**	**Door**	**Door**	**Wood**	**Intact**	**Pink**	**2.9**	**POS**	**1 EA**	**2.04**	**0.70**
87	Lower	B	Storage	Door	Casing	Wood	Intact	Pink	1.7	NEG	--	0.82	0.13
88	**Lower**	**B**	**Storage**	**Door**	**Jamb**	**Wood**	**Intact**	**Pink**	**3.1**	**POS**	**15 LF**	**0.99**	**0.18**
89	**Lower**	**B**	**Storage**	**Door**	**Casing**	**Wood**	**Intact**	**Pink**	**4.0**	**POS**	**15 LF**	**1.70**	**0.67**
90	**Lower**	**B**	**Storage**	**Chalkboard**	**Trim**	**Wood**	**Intact**	**Pink**	**2.0**	**POS**	**25 LF**	**1.86**	**0.40**
91	**Lower**	**B**	**Storage**	**Chalkboard**	**Ledge**	**Wood**	**Intact**	**Pink**	**2.5**	**POS**	**10 LF**	**1.77**	**0.37**
92	Lower	B	Storage	Wall	Baseboard	Wood	Intact	Pink	1.9	NEG	--	0.04	0.11
93	Lower	C	Men's restroom	Wall	Wall	Plaster	Intact	White	2.5	NEG	--	0.01	0.13
94	Lower	C	Men's restroom	Wall	Wall	Ceramic tile	Intact	White	5.3	NEG	--	0.08	0.28
95	Lower	--	Men's restroom	Floor	Floor	Ceramic tile	Intact	White	10.0	NEG	--	0.09	0.47
96	Lower	--	Men's restroom	Ceiling	Ceiling	Plaster	Intact	White	1.0	NEG	--	0.00	0.01
97	Lower	D	Men's restroom	Wall	Wall	Plaster	Intact	White	1.0	NEG	--	0.00	0.06
98	Lower	D	Men's restroom	Wall	Baseboard	Ceramic tile	Intact	White	10.0	NEG	--	0.10	0.23
99	Lower	D	Men's restroom	Door	Door	Wood	Intact	White	1.0	NEG	--	0.00	0.08
100	Lower	D	Men's restroom	Door	Casing	Wood	Intact	White	1.2	NEG	--	0.01	0.13
101	Lower	D	Men's restroom	Door	Jamb	Wood	Intact	White	6.3	NEG	--	0.03	0.09
102	Lower	D	Men's restroom	Sink	Sink	Porcelain	Intact	White	1.0	NEG	--	0.00	0.01
103	Lower	C	Men's restroom	Urinal	Urinal	Porcelain	Intact	White	1.8	NEG	--	0.01	0.17
104	Lower	B	Men's restroom	Toilet	Toilet	Porcelain	Intact	White	5.7	NEG	--	0.07	0.20
105	Lower	A	Men's restroom	Lockers	Lockers	Metal	Intact	Green	1.0	NEG	--	0.01	0.04
106	Lower	B	Men's restroom	Stall	Door	Metal	Intact	Blue/gray	1.0	NEG	--	0.00	0.05
107	Lower	B	Men's restroom	Stall	Wall	Metal	Intact	Blue/gray	1.0	NEG	--	0.00	0.04
Main Building													
108	Lower	B	South room	Wall	Wall	Concrete	Intact	White	1.9	NEG	--	0.03	0.13
109	Lower	D	South room	Wall	Wall	Wood	Intact	White	1.0	NEG	--	0.00	0.09
110	Lower	D	South room	Door	Door	Wood	Intact	Tan	1.0	NEG	--	0.00	0.10
111	Lower	D	South room	Door	Casing	Wood	Intact	Tan	1.0	NEG	--	0.00	0.07
112	Lower	D	South room	Door	Jamb	Wood	Intact	Tan	1.0	NEG	--	0.00	0.11
113	Lower	A	South room	Wall	Crown mold	Wood	Intact	White	3.4	NEG	--	0.10	0.26
114	Lower	D	South room	Cabinet	Wall	Wood	Intact	White	1.0	NEG	--	0.00	0.07
115	Lower	D	South room	Cabinet	Shelf	Wood	Intact	White	1.0	NEG	--	0.00	0.09
116	Lower	C	Finance	Door	Door	Wood	Intact	Blue	1.0	NEG	--	0.00	0.08

Table 3 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
117	**Lower**	**C**	**Finance**	**Door**	**Casing**	**Wood**	**Intact**	**Blue**	**2.2**	**POS**	**50 LF**	**1.03**	**0.15**
118	**Lower**	**C**	**Finance**	**Door**	**Jamb**	**Wood**	**Intact**	**Blue**	**3.6**	**POS**	**50 LF**	**0.99**	**0.19**
119	Lower	C	Finance	Window	Sash	Metal	Intact	Blue	1.1	NEG	--	0.17	0.11
120	Lower	C	Finance	Window	Casing	Wood	Intact	Blue	2.0	NEG	--	0.15	0.18
121	Lower	C	Finance	Window	Trough	Wood	Intact	Blue	4.2	NEG	--	0.22	0.35
122	Lower	C	Finance	Window	Apron	Wood	Intact	White	1.0	NEG	--	0.04	0.06
123	Lower	A	Finance	Wall	Wall	Drywall	Intact	Tan	1.3	NEG	--	0.00	0.08
124	Lower	A	Finance	Door	Door	Wood	Intact	White	1.0	NEG	--	0.00	0.09
125	Lower	A	Finance	Door	Casing	Wood	Intact	White	1.0	NEG	--	0.00	0.06
126	Lower	A	Finance	Door	Jamb	Wood	Intact	White	1.0	NEG	--	0.00	0.06
127	Lower	A	Finance	Wall	Wall	Wood	Intact	White	2.8	NEG	--	0.01	0.13
128	Lower	A	Finance	Wall	Crown mold	Wood	Intact	White	1.9	NEG	--	0.03	0.12
129	Lower	D	Finance	Wall	Wall	Drywall	Intact	Tan	1.0	NEG	--	0.00	0.10
130	Lower	D	Finance	Partition	Cap	Wood	Intact	Turquoise	1.0	NEG	--	0.00	0.11
131	Lower	--	Finance	Ceiling	Ceiling beam	Wood	Intact	White	1.0	NEG	--	0.00	0.11
132	Lower	C	Exterior	Window	Sash	Metal	Intact	Blue	2.2	NEG	--	0.24	0.22
133	Lower	C	Exterior	Window	Casing	Wood	Intact	Blue	4.4	NEG	--	0.49	0.27
134	Lower	C	Exterior	Window	Sill	Wood	Intact	Blue	1.1	NEG	--	0.05	0.08
135	Lower	C	Exterior	Canopy	Column	Wood	Intact	Blue	2.8	NEG	--	0.01	0.11
136	Lower	C	Exterior	Canopy	Beam	Wood	Intact	Blue	1.0	NEG	--	0.00	0.07
137	Lower	C	Exterior	Canopy	Slat	Wood	Intact	Blue	1.0	NEG	--	0.00	0.11
138	Lower	C	Exterior	Wall	Wall	Stucco	Intact	Blue/gray	2.8	NEG	--	0.04	0.24
139	Lower	D	Exterior	Wall	Wall	Stucco	Intact	Blue/gray	1.9	NEG	--	0.01	0.13
140	Lower	D	Exterior	Shed	Wall	Wood	Intact	Blue/gray	1.0	NEG	--	0.00	0.06
141	Lower	D	Exterior	Shed	Door	Wood	Intact	White	1.0	NEG	--	0.00	0.04
142	Lower	D	Exterior	Shed	Door casing	Wood	Intact	Blue/gray	1.0	NEG	--	0.00	0.05
143	Lower	D	Exterior	Stair	Tread	Wood	Intact	Blue	2.1	NEG	--	0.02	0.19
144	Lower	D	Exterior	Stair	Stringer	Wood	Intact	Blue	1.0	NEG	--	0.00	0.08
145	Lower	D	Exterior	Stair	Baluster	Wood	Intact	Blue	1.0	NEG	--	0.00	0.05
146	Lower	D	Exterior	Stair	Rail cap	Wood	Intact	Blue	1.0	NEG	--	0.00	0.08
147	Main	A	Exterior	Wall	Wall	Stucco	Intact	Blue/gray	3.2	NEG	--	0.02	0.14
148	Main	A	Exterior	Door	Door	Wood	Intact	Blue	3.2	NEG	--	0.02	0.15

Table 3 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
149	Main	A	Exterior	Door	Casing	Wood	Intact	Blue	1.0	NEG	--	0.00	0.10
150	Main	A	Exterior	Door	Jamb	Wood	Intact	Blue	1.0	NEG	--	0.01	0.03
151	Main	A	Exterior	Window	Casing	Wood	Intact	Blue	1.0	NEG	--	0.00	0.08
152	Main	A	Exterior	Bulletin board	Door	Wood	Intact	Blue	1.0	NEG	--	0.00	0.07
153	Main	A	Exterior	Bulletin board	Case	Wood	Intact	Blue	4.1	NEG	--	0.02	0.09
154	Main	A	Exterior	Overhang	Ceiling	Stucco	Intact	Blue/gray	1.0	NEG	--	0.00	0.02
155	Main	A	Exterior	Overhang	Trim	Wood	Intact	Blue	1.0	NEG	--	0.03	0.07
156	Main	A	Lobby	Wall	Wall	Brick	Intact	White	1.8	NEG	--	0.01	0.09
157	Main	C	Lobby	Wall	Wall	Drywall	Intact	White	1.0	NEG	--	-0.93	1.10
158	Main	--	Lobby	Ceiling	Ceiling	Stucco	Intact	White	1.0	NEG	--	0.00	0.09
159	Main	--	Lobby	Floor	Floor	Brick	Intact	Brown	3.0	NEG	--	0.03	0.18
160	Main	C	Lobby	Wall	Baseboard	Brick	Intact	Brown	4.8	NEG	--	0.03	0.12
161	Main	D	Conference	Window	Sash	Metal	Intact	Pink	1.3	NEG	--	0.15	0.12
162	Main	D	Conference	Window	Casing	Wood	Intact	Pink	2.5	NEG	--	0.23	0.25
163	Main	D	Conference	Window	Trough	Wood	Intact	Pink	2.7	NEG	--	0.35	0.32
164	Main	C	Conference	Door	Door	Wood	Intact	Tan	1.0	NEG	--	0.00	0.11
165	Main	C	Conference	Door	Casing	Wood	Intact	Tan	2.2	NEG	--	0.01	0.13
166	Main	C	Conference	Door	Jamb	Wood	Intact	Tan	1.0	NEG	--	0.00	0.06
167	Main	C	Conference	Wall	Wall	Plaster	Intact	White	2.2	NEG	--	0.01	0.12
168	Main	A	Main	Wall	Wall	Plaster	Intact	White	5.2	NEG	--	0.03	0.12
169	Main	A	Main	Door	Door	Wood	Intact	Blue	3.1	NEG	--	0.55	0.29
170	Main	A	Main	Door	Jamb	Wood	Intact	Blue	1.8	NEG	--	0.74	0.16
171	Main	A	Main	Door	Casing	Wood	Intact	Blue	2.2	NEG	--	0.65	0.18
172	Main	A	Main	Window	Sash	Metal	Intact	Blue	1.0	NEG	--	0.05	0.03
173	Main	A	Main	Window	Casing	Wood	Intact	Blue	2.2	NEG	--	0.24	0.23
174	Main	A	Main	Window	Trough	Wood	Intact	Blue	1.3	NEG	--	0.11	0.11
175	Main	B	Main	Wall	Wall	Plaster	Intact	White	1.0	NEG	--	0.00	0.10
176	Main	B	Main	Partition	Wall	Drywall	Intact	White	1.0	NEG	--	0.00	0.06
177	Main	B	Main	Partition	Door	Wood	Intact	Pink	1.1	NEG	--	0.00	0.10
178	Main	B	Main	Partition	Door casing	Wood	Intact	Pink	1.0	NEG	--	0.00	0.06
179	Main	B	Main	Partition	Door jamb	Wood	Intact	Pink	1.0	NEG	--	0.00	0.06
180	Main	B	Main	Partition	Cap	Wood	Intact	Blue	2.8	NEG	--	0.02	0.15

Table 3 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
181	Main	C	Main	Window	Sash	Metal	Intact	White	1.8	NEG	--	0.20	0.17
182	Main	C	Main	Window	Casing	Wood	Intact	White	2.3	NEG	--	0.23	0.24
183	Main	C	Main	Window	Trough	Wood	Intact	White	2.0	NEG	--	0.41	0.22
184	Main	C	Exterior	Window	Sash	Metal	Intact	Blue	1.0	NEG	--	0.03	0.05
185	Main	C	Exterior	Window	Casing	Wood	Intact	Blue	3.8	NEG	--	0.03	0.16
186	Main	--	Main	Ceiling	Beam	Wood	Intact	Pink	1.9	NEG	--	0.25	0.17
187	Main	--	Main	Skylight	Trim	Wood	Intact	White	1.0	NEG	--	0.00	0.01
188	Main	--	Main	Ceiling	Ceiling tile	Acoustic	Intact	White	4.9	NEG	--	0.04	0.15
201	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.1	POS	--	1.18	0.13
202	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.10	0.11
203	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.08	0.07

NOTES:

POS = Positive

NEG = Negative

mg/cm^2 = milligrams per square centimeter

APPENDIX A

PRIOR ASBESTOS AND LEAD-BASED PAINT SURVEY

ASBESTOS AND LEAD-BASED PAINT SURVEY
CITY OF DEL MAR CITY HALL
1050 CAMINO DEL MAR
DEL MAR, CALIFORNIA

PREPARED FOR:

Ms. Carmen Kasner
City of Del Mar
1050 Camino Del Mar
Del Mar, California 92014-2698

PREPARED BY:

Ninyo & Moore
Geotechnical and Environmental Sciences Consultants
5710 Ruffin Road
San Diego, California 92123

November 8, 2005
Project No. 105718001

November 8, 2005
Project No. 105718001

Ms. Carmen Kasner
City of Del Mar
1050 Camino Del Mar
Del Mar, California 92014-2698

Subject: Asbestos and Lead-based Paint Survey
City of Del Mar City Hall
1050 Camino Del Mar
Del Mar, California

Dear Ms. Kasner:

In accordance with the Fully Executed Standard Agreement for Consultant Services between the City of Del Mar and Ninyo & Moore, dated September 12, 2005, Ninyo & Moore has performed an Asbestos and Lead-based Paint Survey at the above-referenced site. The attached report presents our methodology, findings, conclusions, and recommendations regarding our surveys.

We appreciate the opportunity to be of service to you on this important project. Should you have any questions regarding this report, please contact either of the undersigned at your convenience.

Sincerely,
NINYO & MOORE

J. Brendan Phelan
Project Environmental Scientist

Gerald Kwiat, C.A.C., R.E.A.
Senior Project Environmental Scientist

JBP/GLK/kmf

Distribution: (3) Addressee

TABLE OF CONTENTS

1. INTRODUCTION

In accordance with Fully Executed Standard Agreement for Consultant Services between the City of Del Mar and Ninyo & Moore, dated September 12, 2005, Ninyo & Moore has performed an Asbestos and Lead-based Paint Survey for the two, two-story office/storage buildings identified as the City of Del Mar City Hall (hereinafter referred to as subject site or site). The subject site is located at 1050 Camino Del Mar in the City of Del Mar, County of San Diego, California (Figure 1).

The surveys were performed in accordance with the above-referenced contract, in general accordance with established guidelines for the assessment of asbestos-containing materials (ACMs) and lead-based paints (LBPs), and is based upon conditions at the subject buildings at the time of the surveying/assessment activities. Our objective and scope of work are presented below.

2. OBJECTIVE AND SCOPE OF SERVICES

The objective of the asbestos and lead-based paint survey was to evaluate the subject buildings for the presence of ACMs and LBPs in anticipation of demolition and/or renovation of the subject buildings.

The scope of work performed for the asbestos and lead-based paint surveys is identified below.

- Conducted a visual reconnaissance of the readily accessible areas of the site to evaluate the possible presence of ACMs and LBPs;
- Collected 65 building material samples and submitted these samples to an independent laboratory for analysis of asbestos content;
- Prepared asbestos sample location maps showing sample locations of suspect ACMs;
- Collected 203 x-ray fluorescence (XRF) readings of potential lead-based paint;
- Plotted positive XRF reading locations on sample location maps;
- Prepared a report presenting our data and summarizing our conclusions and recommendations regarding ACMs and LBPs in the on-site buildings.

3. SITE DESCRIPTION

This survey encompassed 2, two-story office/storage buildings located at 1050 Camino Del Mar, in the city of Del Mar, county of San Diego, California (Figure 2). The following table describes the buildings assessed for this survey.

Building Descriptions

Bldg	Approx. Date of Construc-tion	Approx. SF	Roof Con-struction	Foun-dation	Flooring Materials	Interior Framing	Ceiling Finishes	Wall Fin-ishes
File Storage	1940's	3,600	BURM	C	C, CPT, VFT	W	ACT, P	CMU, P, S, DW
Main Office	1940's	3,800	BURM	C	C, CPT, VSF	W	ACT, P	CMU, P, S, DW

Notes:
ACT = acoustic ceiling tile
BURM = built-up roofing membrane
C = concrete
CPT = carpet
DW = drywall
P = plaster
CMU = concrete masonry unit
S = stucco
VFT = vinyl floor tile
VSF = vinyl sheet flooring
W = wood

4. PHYSICAL LIMITATIONS

Physical limitations, such as locked rooms, were encountered during survey activities. Rooms that were inaccessible at the time of the survey activities are indicated on the sample location maps with a hatch pattern. Since non-destructive sampling techniques were used, there is a possibility that additional ACMs and/or LBPs may be encountered in inaccessible areas (e.g. interstitial wall and ceiling spaces, locked rooms, etc.) during building renovation activities. For instance, untested thermal system insulation (TSI) may be present within wall and ceiling cavities, covered walkway soffits and behind plumbing and heating fixtures (e.g. sinks, boilers and radiators) in the surveyed buildings. Due to the non-destructive scope of the survey, potentially asbestos-containing fire doors were not tested. Adhesives/mastics present behind chalkboards and bulletin boards should be tested prior to demolition activities to determine if they are ACMs. Suspect materials encountered during renovation activities that have not been assessed either may be assumed to be hazardous and handled accordingly, or may be sampled and analyzed to assess whether they are hazardous.

5. SAMPLE COLLECTION

On September 9, 2005, the subject buildings at 1050 Camino Del Mar were assessed for the presence of asbestos and lead-based paint. The surveys followed Environmental Protection Agency (EPA) guidelines, or industry standards, as appropriate, within the limitations of the scope of this assessment. Survey activities are described below.

5.1. Asbestos Survey

The Ninyo & Moore asbestos survey was performed by or under the direction of a California Certified Asbestos Consultant. A preliminary visual assessment and bulk-sampling survey of suspect ACMs was performed. Representative samples of suspect ACMs were collected after identification of homogeneous sampling areas (areas in which the materials are uniform in color, texture, construction or application date, and general appearance). Each homogeneous area was observed for material type, location, condition, and friability. A total of 65 samples of materials suspected of being asbestos-containing were collected during the survey, using EPA-recommended sampling procedures. The Ninyo & Moore suspect asbestos-containing materials sampling protocol is presented in Appendix A. Building materials that were sampled and analyzed for the presence of asbestos are presented in the attached Table 1, and the locations from which bulk asbestos samples were collected are shown on Figures 2 through 3.

5.2. Paint Survey

To test surfaces for future contractor worker safety and waste characterization, a portable NITON XL 309 XRF spectrum analyzer was utilized. The testing was conducted in general accordance with accepted environmental science and engineering practices for demolition projects. The testing methodology utilized is presented in Appendix B. A total of 203 XRF readings (including calibrations) were analyzed. Surfaces that were tested for the presence of lead are presented in the attached Table 2. The XRF testing orientation (A, B, C, and D wall directions) utilized during the testing is provided on the attached Sample Location Maps (Figures 2 through 3). The locations of surfaces found to be lead-containing are indicated on Figures 2 through 3, where appropriate.

6. LABORATORY ANALYSES AND RESULTS

The following sections describe the laboratory analyses performed and results obtained for samples collected during the asbestos survey, and the XRF testing results for lead.

6.1. Asbestos Analysis

After collection, the ACM samples were transferred to Professional Service Industries (PSI) in Pittsburgh, Pennsylvania for analysis. PSI is a laboratory accredited in the National Voluntary Laboratory Accreditation Program (NVLAP) for bulk asbestos fiber analysis. Because of material layering, of the 65 samples collected, 88 separate analyses were performed. The samples were analyzed for the presence and quantification of asbestos fibers, using polarized light microscopy (PLM) with dispersion staining, in general accordance with EPA Method 600/R-93/116 July 93. The lower limit of reliable detection for asbestos using the PLM method is approximately 1% by weight. Materials containing asbestos in amounts less than 1% but greater than 0.1% are defined as containing <1% asbestos. Currently, the State of California stipulates that materials containing greater than 1% asbestos constitute an ACM and materials containing greater than 0.1% asbestos constitute asbestos containing construction material (ACCM). Materials found to be containing less than 1% or trace quantities of asbestos were "point-counted" in accordance with a subsection of EPA Method 600/R-93/116 July 93 to quantify the asbestos content within the ACCM below the PLM detection limit. Point count results are indicated with a "PT" adjacent to the analytical results. Materials in which no asbestos was detected are defined in the laboratory report as "No Asbestos Detected" in the "Asbestos Content" column. Analytical results are summarized in the attached Table 1. Copies of the laboratory analytical report and chain-of-custody records are presented in Appendix C.

6.2. XRF Analysis

Currently, the State of California and the USEPA stipulate what concentrations of lead in nonvolatile components of surface coatings or materials determine whether a material is considered to be a lead-based paint. The California Department of Health Services (DHS) stipulates that materials containing an amount equal to or in excess of one milligram per

square centimeter (1.0 mg/cm^2), or more than one-half of one percent (0.5%) by weight, constitute a lead-based paint. The U.S. Department of Housing and Urban Development (HUD) guideline for designating a painted surface as lead-containing is consistent with the DHS. Paint that is chipping or peeling, or that may be easily removed from surfaces, and has a lead content equal to or greater than 1,000 milligrams per kilogram (mg/kg), requires handling as a California Title 22 hazardous waste. In addition, under California Code of Regulations Title 8, Section 1532.1, specific worker protection measures are required in construction projects where any lead is present. LBP testing results are summarized in the attached Table 3, and a copy of DHS form 8552 "Lead Hazard Evaluation Report" is included in Appendix D.

7. FINDINGS AND OPINIONS

The findings of these surveys are based on our visual observations, and analysis of suspect building materials. The findings are presented below.

7.1. Asbestos

Based on the analytical results of bulk samples collected during Ninyo & Moore's survey, ACMs are located within the buildings at the subject site. Building materials that were sampled and tested for asbestos content can be found in the attached Table 1, including their location and analytical results.

The presence of ACMs in a building does not necessarily mean that the health of the occupants is endangered. If these materials are in good condition and have not been disturbed, exposures are expected to be negligible. However, when ACM deteriorates, is in damaged condition, or is disturbed, such as during renovation operations, asbestos fibers may be released, creating a potential health hazard for building occupants, maintenance personnel, and contractors.

7.2. Lead-Based Paint

Based on the results of XRF assays collected during the survey, painted surfaces containing concentrations of lead greater than 1.0 mg/cm^2, or 5,000 mg/kg, were identified at the subject site.

The presence of LBPs in a building does not necessarily mean that the health of the occupants is endangered. If painted surfaces are in good condition, and are not peeling or otherwise deteriorated, exposures are expected to be negligible. However, when LBP deteriorates, is in damaged condition, or is disturbed, such as during renovation operations, lead-containing dust may be released, creating a potential health hazard for building occupants, maintenance personnel, and contractors.

8. RECOMMENDATIONS

Since ACMs, LBPs, and evidence of potential moisture-impacted building materials and/or microbial growth have been identified at the subject site, the following recommendations and precautions are provided:

8.1. Asbestos

The identified ACMs should not be disturbed. Prior to renovation work that would disturb identified ACMs, a licensed asbestos abatement removal contractor should remove the ACMs. It is the contractor's responsibility to confirm ACM quantities present prior to bid submittals and initiating renovation or demolition activities at the subject buildings.

Because non-destructive sampling techniques were used, there is a possibility that additional suspect ACMs may be found during building renovations. Ninyo & Moore recommends that should additional suspect materials, not sampled or assessed in this report, be uncovered during renovation: (a) samples of suspect materials should be collected for laboratory analysis, and all activities that may impact the materials should cease until laboratory analytical results are reviewed; or (b) the materials should be assumed to be hazardous and handled as such.

8.2. Lead-Based Paint

LBPs or surfaces identified to contain lead should be handled by an appropriately licensed contractor in accordance with all federal, state, and local regulations. It is the contractor's responsibility to confirm LBP quantities present prior to bid submittals and initiating renovation or demolition activities at the subject buildings.

Because non-destructive sampling techniques were used, there is a possibility that additional suspect LBPs may be found during building renovations. Ninyo & Moore recommends that should additional suspect materials, not sampled or assessed in this report, be uncovered during renovation: (a) samples of suspect materials should be collected for laboratory analysis, and all activities that may impact the materials should cease until laboratory analytical results are reviewed; or (b) the materials should be assumed to be hazardous and handled as such.

9. LIMITATIONS

Ninyo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited sampling and chemical analysis. Further assessment of potential adverse environmental impacts may be accomplished by conducting a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the areas evaluated. However, if additional suspect building materials are encountered during renovation activities, these materials should be sampled by qualified personnel, and analyzed for content prior to further disturbance. In addition, please note that quantities of impacted building materials are approximate. It is the contractor's responsibility to confirm quantities present.

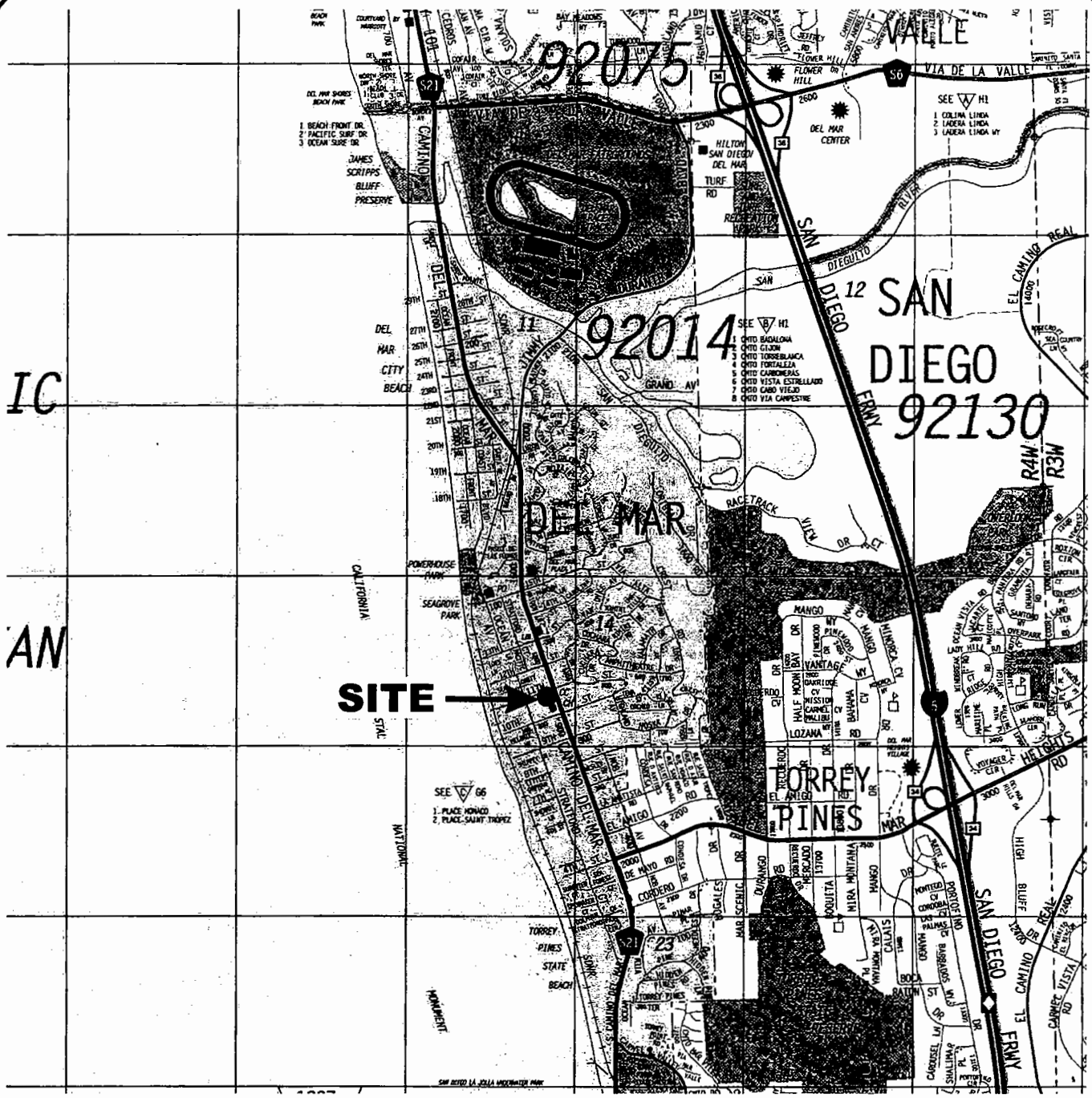
The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard of care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent

activities. Please also note that this study did not include an evaluation of geotechnical conditions or potential geologic hazards.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the subject site. The testing and analyses have been conducted by an independent laboratory that is certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

Our findings, opinions, and recommendations are based on an analysis of the observed site conditions. It should be understood that the conditions of a site can change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.



REFERENCE: 2005 THOMAS GUIDE FOR SAN DIEGO COUNTY, STREET GUIDE AND DIRECTORY.

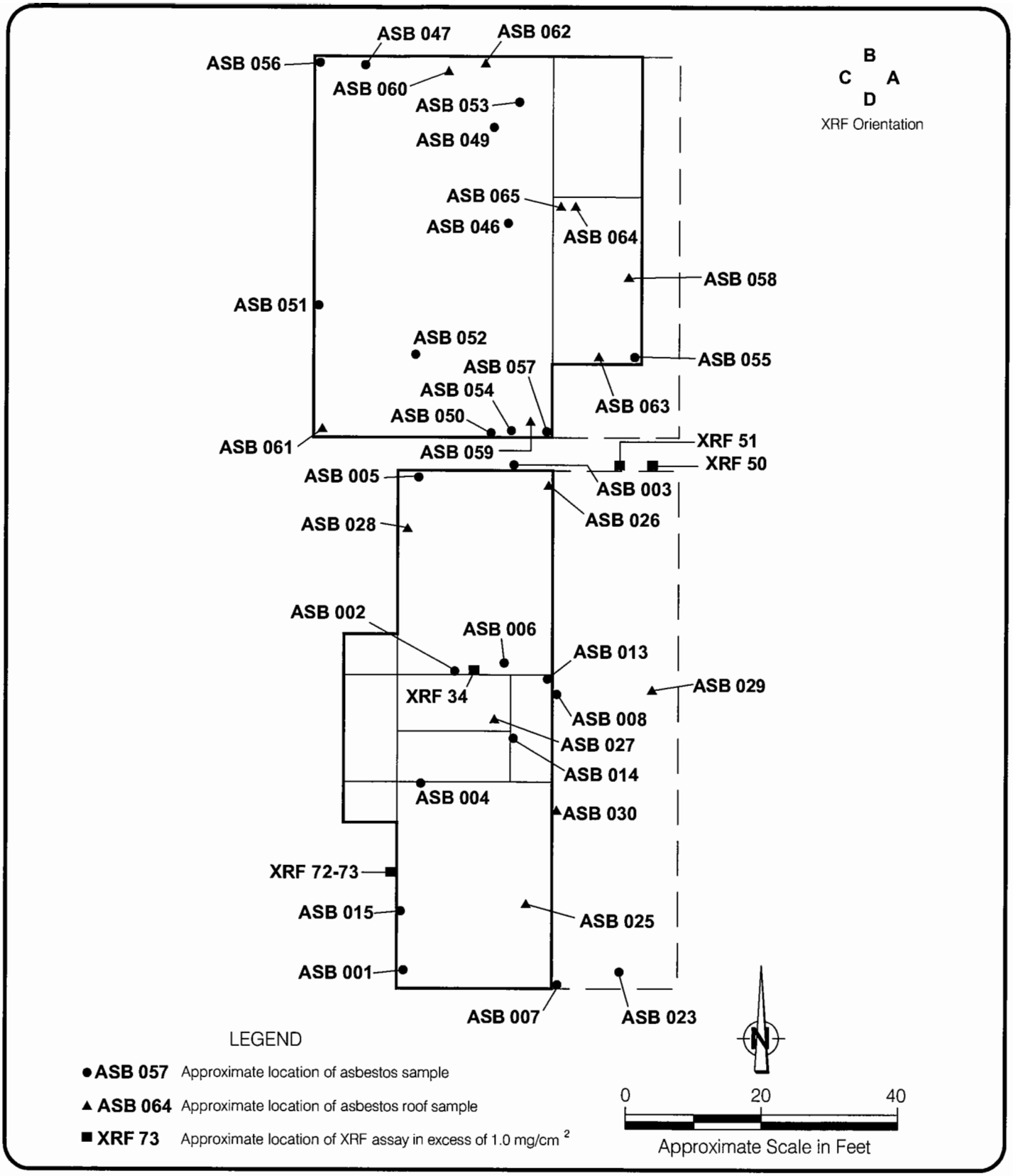
105718001 slm Fig 1

Ninyo & Moore

SITE LOCATION MAP

1050 CAMINO DEL MAR
DEL MAR, CALIFORNIA

PROJECT NO.	DATE	FIGURE
105718001	11/05	1



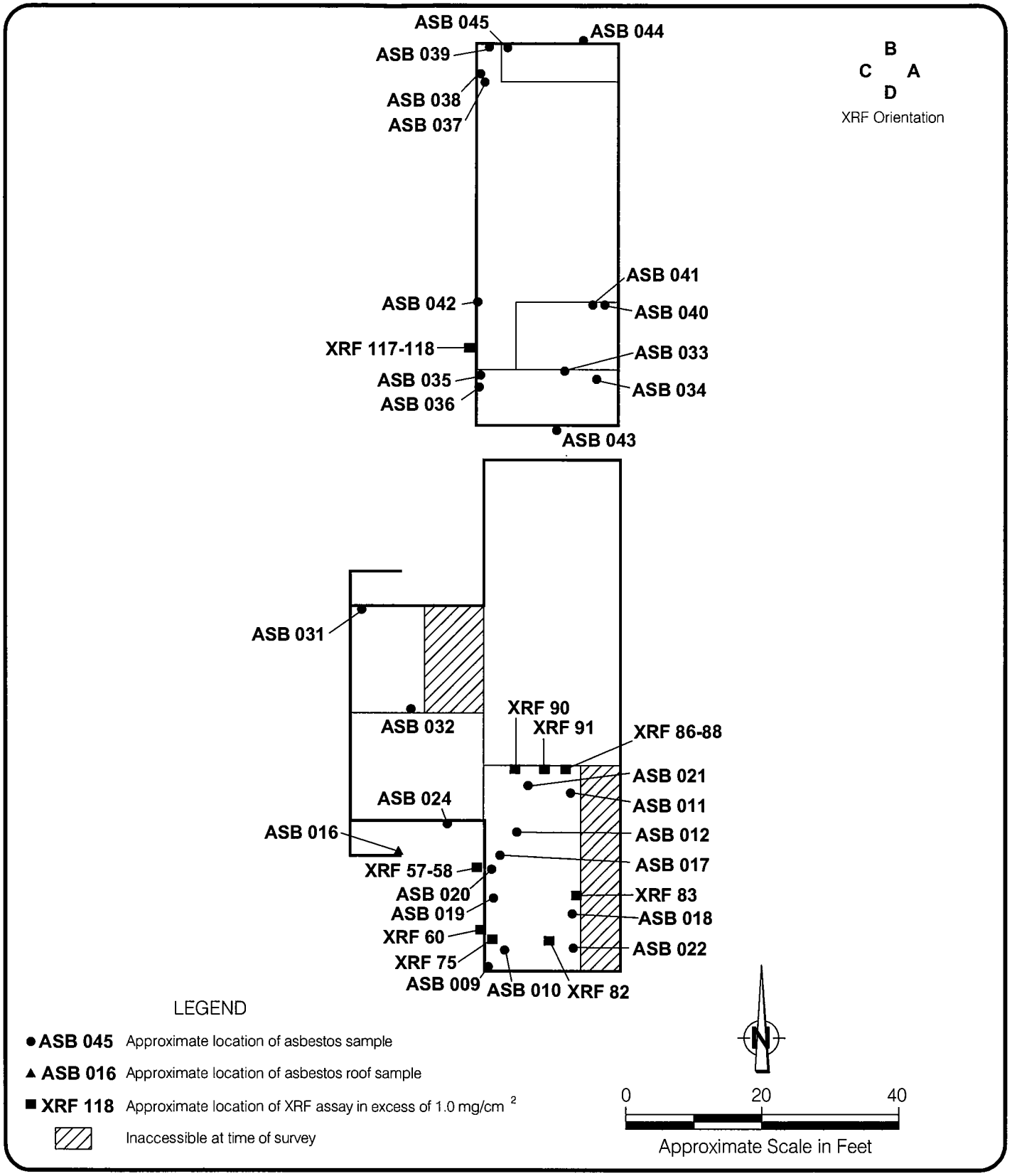
105718001 sample fig 2

Ninyo & Moore

SAMPLE LOCATION MAP-MAIN LEVEL

1050 CAMINO DEL MAR
DEL MAR, CALIFORNIA

PROJECT NO.	DATE	FIGURE
105718001	11/05	2



105718001 sample fig 2

Ninyo & Moore

SAMPLE LOCATION MAP-LOWER LEVEL

1050 CAMINO DEL MAR
DEL MAR, CALIFORNIA

PROJECT NO.	DATE	FIGURE
105718001	11/05	3

Table 1 - Asbestos Survey Results

Sample No.	Building	Floor	Sample Location	Sample Description	*Approx. Quantity	Friable Y/N	Condition	Asbestos Content
NM03-ASB001	File Storage	Main	Southwest corner	Gray plaster	N/A	N/A	N/A	ND
NM03-ASB002	File Storage	Main	South wall behind blackboard	Gray plaster	N/A	N/A	N/A	ND
NM03-ASB003	File Storage	Main	North wall between windows	Gray plaster	N/A	N/A	N/A	ND
NM03-ASB004	File Storage	Main	West wall, ceiling	White acoustic ceiling tile	N/A	N/A	N/A	ND
NM03-ASB005	File Storage	Main	Northwest corner by heater	White acoustic ceiling tile	N/A	N/A	N/A	ND
NM03-ASB006	File Storage	Main	Center of room, ceiling	White acoustic ceiling tile	N/A	N/A	N/A	ND
NM03-ASB007	File Storage	Main	South corner by stairs	Gray stucco	N/A	N/A	N/A	ND
NM03-ASB008	File Storage	Main	East wall next to glass door	Gray stucco	N/A	N/A	N/A	ND
NM03-ASB009	File Storage	Main	Southwest corner	Gray stucco	N/A	N/A	N/A	ND
NM03-ASB010A	File Storage	**Lower**	**Southwest floor**	**Brown 9"x9" vinyl floor tile**	**800 SF**	**N**	**Good**	**5% chrysotile**
NM03-ASB010B	File Storage	Lower	Southwest floor	Black mastic associated with NM03-ASB010A	N/A	N/A	N/A	ND
NM03-ASB011A	File Storage	**Lower**	**Northeast floor**	**Brown 9"x9" vinyl floor tile**	**See NM03-ASB010A**	**N**	**Good**	**5% chrysotile**
NM03-ASB011B	File Storage	Lower	Northeast floor	Black mastic associated with NM03-ASB011A	N/A	N/A	N/A	ND
NM03-ASB012A	File Storage	**Lower**	**Northwest floor**	**Brown 9"x9" vinyl floor tile**	**See NM03-ASB010A**	**N**	**Good**	**5% chrysotile**
NM03-ASB012B	File Storage	Lower	Northwest floor	Black mastic associated with NM03-ASB012A	N/A	N/A	N/A	ND
NM03-ASB013	File Storage	Main	East wall near hallway	Black base cove	N/A	N/A	N/A	ND
NM03-ASB013	File Storage	Main	East wall near hallway	Yellow glue associated with NM03-ASB013A	N/A	N/A	N/A	ND
NM03-ASB014A	File Storage	Main	Center wall	Black base cove	N/A	N/A	N/A	ND
NM03-ASB014B	File Storage	Main	Center wall	Yellow glue associated with NM03-ASB014A	N/A	N/A	N/A	ND
NM03-ASB015A	File Storage	Main	West wall	Black base cove	N/A	N/A	N/A	ND
NM03-ASB015B	File Storage	Main	West wall	Yellow glue associated with NM03-ASB015A	N/A	N/A	N/A	ND
NM03-ASB016	File Storage	Lower	Roof over women's restroom	Black roof core	N/A	N/A	N/A	ND
NM03-ASB017A	File Storage	Lower	North wall over door	White drywall	See NM03-ASB022B	N/A	N/A	ND
NM03-ASB017B	File Storage	**Lower**	**North wall over door**	**White joint compound**	**See NM03-ASB022B**	**Y**	**Good**	**<0.1% chrysotile (PT)**

Table 1 - Asbestos Survey Results

Sample No.	Building	Floor	Sample Location	Sample Description	*Approx. Quantity	Friable Y/N	Condition	Asbestos Content
NM03-ASB018	File Storage	Lower	Southeast wall over bookcase	White drywall	See NM03-ASB022B	N/A	N/A	ND
NM03-ASB019	File Storage	Lower	West wall between window	White plaster	N/A	N/A	N/A	<0.1% chrysotile (PT)
NM03-ASB020	File Storage	Lower	Entry door, ceiling	White drywall	See NM03-ASB022B	N/A	N/A	ND
NM03-ASB021A	File Storage	Lower	North ceiling	White drywall	See NM03-ASB022B	N/A	N/A	ND
NM03-ASB021B	File Storage	**Lower**	**North ceiling**	**White joint compound**	**See NM03-ASB022B**	**Y**	**Good**	**<0.1% chrysotile (PT)**
NM03-ASB022A	File Storage	Lower	Southeast ceiling	White drywall	See NM03-ASB022B	N/A	N/A	ND
NM03-ASB022B	File Storage	**Lower**	**Southeast ceiling**	**White joint compound**	**1,100 SF**	**Y**	**Good**	**0.1% chrysotile (PT)**
NM03-ASB023A	File Storage	Main	Southeast brick column	Green skim coat	N/A	N/A	N/A	ND
NM03-ASB023B	File Storage	Main	Southeast brick column	Gray base coat	N/A	N/A	N/A	ND
NM03-ASB024A	File Storage	Lower	Exterior west wall, womens restroom	White skim coat	N/A	N/A	N/A	ND
NM03-ASB024B	File Storage	Lower	Exterior west wall, womens restroom	Gray base coat	N/A	N/A	N/A	ND
NM03-ASB025	File Storage	Roof	Roof, southwest	Black roof core	N/A	N/A	N/A	ND
NM03-ASB026	File Storage	Roof	Roof, northeast	Black roof core	N/A	N/A	N/A	ND
NM03-ASB027	File Storage	Roof	Roof, center, roof vent	Black mastic	N/A	N/A	N/A	ND
NM03-ASB028	File Storage	Roof	Roof, northwest parapit wall	Black mastic	N/A	N/A	N/A	ND
NM03-ASB029	File Storage	Roof	Roof, east center	Black roof core	N/A	N/A	N/A	ND
NM03-ASB030	File Storage	**Roof**	**Roof, west wall center**	**Black mastic**	**150 SF**	**N**	**Good**	**7% chrysotile**
NM03-ASB031A	File Storage	Lower	Men's restroom, west wall, entry	Tan drywall	N/A	N/A	N/A	ND
NM03-ASB031B	File Storage	Lower	Men's restroom, west wall, entry	White joint compound	N/A	N/A	N/A	ND
NM03-ASB032A	File Storage	Lower	Men's restroom, south wall, toilet	Tan drywall	N/A	N/A	N/A	ND
NM03-ASB032B	File Storage	Lower	Men's restroom, south wall, toilet	White joint compound	N/A	N/A	N/A	ND
NM03-ASB033	Main	Lower	Floor next to copier	Tan base cove	N/A	N/A	N/A	ND
NM03-ASB034	Main	Lower	Breakroom, northeast corner	White ceiling tile	N/A	N/A	N/A	ND
NM03-ASB035A	Main	Lower	Breakroom behind entry door	Gray sheet vinyl floor - layer 1	N/A	N/A	N/A	ND
NM03-ASB035B	Main	Lower	Breakroom behind entry door	Gray sheet vinyl floor - layer 2	N/A	N/A	N/A	ND
NM03-ASB036A	Main	Lower	Breakroom behind entry door	Tan drywall	N/A	N/A	N/A	ND
NM03-ASB036B	Main	Lower	Breakroom behind entry door	White joint compound	N/A	N/A	N/A	ND

Table 1 - Asbestos Survey Results

Sample No.	Building	Floor	Sample Location	Sample Description	*Approx. Quantity	Friable Y/N	Condition	Asbestos Content
NM03-ASB037	Main	Lower	Entry, finance dept., north wall	White ceiling tile	N/A	N/A	N/A	ND
NM03-ASB038A	Main	Lower	Entry, finance dept., door jamb	Tan base cove	N/A	N/A	N/A	ND
NM03-ASB038B	Main	Lower	Entry, finance dept., door jamb	Yellow glue associated with NM03-ASB038A	N/A	N/A	N/A	ND
NM03-ASB039A	Main	Lower	Entry, finance dept., north wall	White drywall	N/A	N/A	N/A	ND
NM03-ASB039B	Main	Lower	Entry, finance dept., north wall	White joint compound	N/A	N/A	N/A	ND
NM03-ASB040	Main	Lower	East wall, ceiling, middle	White ceiling tile	N/A	N/A	N/A	ND
NM03-ASB041A	Main	Lower	Northeast wall, center	Tan base cove	N/A	N/A	N/A	ND
NM03-ASB041B	Main	Lower	Northeast wall, center	Brown mastic associated with NM03-ASB041A	N/A	N/A	N/A	ND
NM03-ASB042	Main	Lower	West wall, center above window	Gray stucco	N/A	N/A	N/A	ND
NM03-ASB043	Main	Lower	South wall, center by stairs	Gray stucco	N/A	N/A	N/A	ND
NM03-ASB044	Main	Lower	North wall, center by electric	Gray stucco	N/A	N/A	N/A	ND
NM03-ASB045A	Main	Main	Northwest wall, computer room	White acoustic ceiling tile	N/A	N/A	N/A	ND
NM03-ASB045B	Main	Main	Northwest wall, computer room	Brown mastic associated with NM03-ASB045A	N/A	N/A	N/A	ND
NM03-ASB046	Main	Main	Center	White acoustic ceiling tile	N/A	N/A	N/A	ND
NM03-ASB047	Main	Main	Northwest corner	White acoustic ceiling tile	N/A	N/A	N/A	ND
NM03-ASB048	*Sample not collected*							
NM03-ASB049	Main	Main	File storage room, west wall	Tan base cove	N/A	N/A	N/A	ND
NM03-ASB050	Main	Main	South, exterior wall	Tan base cove	N/A	N/A	N/A	ND
NM03-ASB051	Main	Main	West wall under draft tables	Tan base cove	N/A	N/A	N/A	ND
NM03-ASB052A	Main	Main	Interior partition wall, break room	White drywall	N/A	N/A	N/A	ND
NM03-ASB052B	Main	Main	Interior partition wall, break room	White joint compound	N/A	N/A	N/A	ND
NM03-ASB053A	Main	Main	Partition wall, file room	White drywall	N/A	N/A	N/A	ND
NM03-ASB053B	Main	Main	Partition wall, file room	White joint compound	N/A	N/A	N/A	ND
NM03-ASB054A	Main	Main	Southeast wall over bookcase	White drywall	N/A	N/A	N/A	ND
NM03-ASB054B	Main	Main	Southeast wall over bookcase	White joint compound	N/A	N/A	N/A	ND
NM03-ASB055	Main	Main	Lobby, southeast corner	Yellow carpet mastic	N/A	N/A	N/A	ND
NM03-ASB056	Main	Main	Main room, northwest corner	Yellow carpet mastic	N/A	N/A	N/A	ND
NM03-ASB057A	Main	Main	Main room, southeast corner	Orange carpet mastic	N/A	N/A	N/A	ND
NM03-ASB057B	**Main**	**Main**	**Main room, southeast corner**	**Black carpet mastic**	**2,000 SF**	**N**	**Good**	**4% chrysotile**
NM03-ASB058	Main	Roof	Low roof, front	Black roof core	N/A	N/A	N/A	ND
NM03-ASB059	Main	Roof	Main roof, southwest corner	Black roof core	N/A	N/A	N/A	ND

Table 1 - Asbestos Survey Results

Sample No.	Building	Floor	Sample Location	Sample Description	*Approx. Quantity	Friable Y/N	Condition	Asbestos Content
NM03-ASB060	Main	Roof	Main roof, north end	Black roof core	N/A	N/A	N/A	ND
NM03-ASB061	Main	Roof	Main roof, north center at vent	Black roof mastic	N/A	N/A	N/A	ND
NM03-ASB062	Main	Roof	Main roof, southwest corner at pipe	Black roof mastic	N/A	N/A	N/A	ND
NM03-ASB063	Main	Roof	East roof, south at column	Black roof mastic	N/A	N/A	N/A	ND
NM03-ASB064	Main	Roof	East roof, HVAC ducts	Gray HVAC duct tape	N/A	N/A	N/A	ND
NM03-ASB065	Main	Roof	East roof, HVAC ducts	Gray HVAC duct sealant	N/A	N/A	N/A	ND

NOTES:

ND = None detected

N/A = Not applicable

(PT) = Point count results

* = Material quantities are approximate. It is the contractor's responsibility to confirm material quantities prior to removal.

Samples analyzed by asbestos analysis of bulk materials via USEPA 600/R-93/116 method using polarized light microscopy.

Table 2 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
1	--	--	Shutter Calibration						0.0	...	--	NA	--
2	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.11	0.11
3	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.12	0.08
4	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.07	0.07
File Storage Building													
5	Main	A	South room	Wall	Wall	Plaster	Intact	White	5.5	NEG	--	0.37	0.30
6	Main	A	South room	Door	Door	Wood	Intact	White	6.5	NEG	--	0.03	0.08
7	Main	A	South room	Door	Casing	Wood	Intact	White	4.1	NEG	--	0.17	0.34
8	Main	A	South room	Door	Jamb	Wood	Intact	White	1.0	NEG	--	0.00	0.09
9	Main	A	South room	Door	Sash	Wood	Intact	White	1.0	NEG	--	0.00	0.09
10	Main	A	South room	Door	Casing	Wood	Intact	White	1.4	NEG	--	0.01	0.12
11	Main	C	South room	Wall	Wall	Plaster	Intact	White	2.0	NEG	--	0.00	0.07
12	Main	C	South room	Window	Sash	Wood	Intact	White	2.6	NEG	--	0.07	0.27
13	Main	C	South room	Window	Casing	Wood	Intact	White	2.3	NEG	--	0.11	0.21
14	Main	C	South room	Window	Trough	Wood	Intact	White	1.3	NEG	--	0.06	0.10
15	Main	C	South room	Window	Apron	Wood	Intact	White	1.0	NEG	--	0.00	0.05
16	Main	C	South room	Wall	Crown mold	Wood	Intact	White	1.0	NEG	--	0.01	0.01
17	Main	D	South room	Door	Casing	Wood	Intact	White	4.8	NEG	--	0.21	0.34
18	Main	D	South room	Door	Jamb	Wood	Intact	White	4.1	NEG	--	0.21	0.35
19	Main	A	North room	Wall	Wall	Plaster	Poor	Light green	4.2	NEG	--	0.27	0.23
20	Main	A	North room	Door	Door	Wood	Intact	Light green	1.0	NEG	--	0.00	0.09
21	Main	A	North room	Door	Door	Wood	Fair	Pink	1.5	NEG	--	0.09	0.12
22	Main	A	North room	Door	Casing	Wood	Fair	Pink	1.4	NEG	--	0.10	0.12
23	Main	A	North room	Door	Jamb	Wood	Fair	Pink	3.6	NEG	--	0.32	0.28
24	Main	A	North room	Wall	Crown mold	Wood	Intact	Light green	1.0	NEG	--	0.02	0.02
25	Main	B	North room	Chalkboard	Upper trim	Wood	Intact	Pink	2.5	NEG	--	0.09	0.23
26	Main	B	North room	Chalkboard	Tray	Wood	Intact	Pink	1.7	NEG	--	0.15	0.16
27	Main	B	North room	Door	Door	Wood	Intact	Pink	2.0	NEG	--	0.15	0.19
28	Main	B	North room	Door	Casing	Wood	Intact	Pink	2.4	NEG	--	0.18	0.24

Table 2 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
29	Main	B	North room	Door	Jamb	Wood	Intact	Pink	1.7	NEG	--	0.11	0.15
30	Main	D	North room	Window	Sash	Wood	Intact	Pink	1.9	NEG	--	0.16	0.18
31	Main	D	North room	Window	Casing	Wood	Intact	Pink	2.7	NEG	--	0.21	0.28
32	Main	D	North room	Window	Trough	Wood	Intact	Pink	2.7	NEG	--	0.16	0.26
33	Main	D	North room	Window	Apron	Wood	Intact	Pink	3.5	NEG	--	0.25	0.30
34	**Main**	**D**	**North room**	**Corkboard**	**Corkboard**	**Cork**	**Intact**	**Light green**	**2.9**	**POS**	**150 LF**	**2.23**	**0.98**
35	Main	D	North room	Corkboard	Trim	Wood	Intact	Light green	1.0	NEG	--	0.01	0.08
36	Main	--	North room	Ceiling	Ceiling tile	Acoustic	Intact	White	1.3	NEG	--	0.01	0.18
37	Main	--	North room	Ceiling	I-beam	Metal	Intact	White	2.1	NEG	--	0.26	0.22
38	Main	--	North room	Ceiling	Support	Metal	Intact	White	2.3	NEG	--	0.35	0.26
39	Main	--	North room	Ceiling	Diagonal support	Metal	Intact	White	2.3	NEG	--	0.31	0.21
40	Main	--	North room	Ceiling	Ceiling	Plaster	Intact	White	2.3	NEG	--	0.33	0.26
41	Main	C	North room	Wall	Baseboard	Wood	Intact	Pink	3.3	NEG	--	0.60	0.24
42	Main	D	North room	Wall	Wall	Wood	Intact	White	1.0	NEG	--	0.00	0.06
43	Main	A	Exterior	Wall	Wall	Stucco	Intact	Blue/gray	2.5	NEG	--	0.02	0.19
44	Main	A	Exterior	Overhang	Ceiling	Stucco	Intact	Blue/gray	1.0	NEG	--	0.00	0.09
45	Main	A	Exterior	Overhang	Beam	Wood	Intact	Blue	1.3	NEG	--	0.03	0.10
46	Main	A	Exterior	Overhang	Trim	Wood	Intact	Blue	2.7	NEG	--	0.08	0.26
47	Main	A	Exterior	Door	Door	Wood	Intact	Blue	1.0	NEG	--	0.00	0.07
48	Main	A	Exterior	Door	Casing	Wood	Intact	Blue	1.0	NEG	--	0.00	0.10
49	Main	A	Exterior	Door	Door	Wood	Intact	Blue/gray	2.1	NEG	--	0.02	0.16
50	**Main**	**A**	**Exterior**	**Stairs**	**Tread**	**Concrete**	**Intact**	**Yellow**	**1.0**	**POS**	**350 LF**	**0.95**	**0.06**
51	**Main**	**A**	**Exterior**	**Stairs**	**Tread**	**Concrete**	**Intact**	**Yellow**	**1.0**	**POS**	**See Reading No. 50**	**0.98**	**0.09**
52	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.09	0.07
53	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.13	0.12
54	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.11	0.12
55	Lower	C	Exterior	Wall	Wall	Stucco	Intact	Blue/gray	2.8	NEG	--	0.01	0.09

Table 2 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
56	Lower	C	Exterior	Door	Door	Wood	Intact	Blue	1.0	NEG	--	0.01	0.11
57	**Lower**	**C**	**Exterior**	**Door**	**Casing**	**Wood**	**Intact**	**Blue/gray**	**8.4**	**POS**	**15 LF**	**6.75**	**2.33**
58	**Lower**	**C**	**Exterior**	**Door**	**Jamb**	**Wood**	**Intact**	**Blue/gray**	**10.0**	**POS**	**15 LF**	**2.54**	**0.95**
59	Lower	C	Exterior	Window	Sash	Metal	Intact	Blue	1.0	NEG	--	0.00	0.10
60	**Lower**	**C**	**Exterior**	**Window**	**Casing**	**Metal**	**Intact**	**Blue**	**7.9**	**POS**	**40 LF**	**11.89**	**2.90**
61	Lower	C	Exterior	Wall	Wall	Stucco	Intact	Blue/gray	4.0	NEG	--	0.03	0.14
62	Lower	C	Exterior	Bath canopy	Wall	Wood	Intact	Blue	1.0	NEG	--	0.00	0.08
63	Lower	C	Exterior	Bath canopy	Post	Wood	Intact	Blue	2.4	NEG	--	0.01	0.14
64	Lower	C	Exterior	Bath canopy	Ceiling	Wood	Intact	Blue	4.5	NEG	--	0.08	0.28
65	Lower	C	Exterior	Door	Door	Wood	Intact	Blue	1.7	NEG	--	0.13	0.16
66	Lower	C	Exterior	Door	Casing	Wood	Intact	Light green	1.0	NEG	--	0.04	0.05
67	Lower	C	Exterior	Door	Jamb	Wood	Intact	Light green	1.0	NEG	--	0.03	0.07
68	Lower	C	Exterior	Bathroom	Door	Wood	Intact	Blue	1.0	NEG	--	0.00	0.08
69	Lower	C	Exterior	Door	Casing	Wood	Intact	Blue	1.0	NEG	--	0.00	0.09
70	Lower	C	Exterior	Door	Jamb	Wood	Intact	White	1.0	NEG	--	0.00	0.05
71	--	--	Shutter Calibration						0.0	...	--	NA	--
72	**Main**	**C**	**Exterior**	**Window**	**Sash**	**Wood**	**Intact**	**Blue**	**1.9**	**POS**	**200 LF**	**1.98**	**0.46**
73	**Main**	**C**	**Exterior**	**Window**	**Casing**	**Wood**	**Intact**	**Blue**	**6.2**	**POS**	**200 LF**	**4.91**	**1.87**
74	Lower	C	Storage	Wall	Wall	Plaster	Intact	White	4.5	NEG	--	0.06	0.23
75	**Lower**	**C**	**Storage**	**Window**	**Casing**	**Wood**	**Intact**	**White**	**5.0**	**POS**	**40 LF**	**4.27**	**1.59**
76	Lower	C	Storage	Window	Trough	Wood	Fair	White	1.5	NEG	--	0.09	0.12
77	Lower	C	Storage	Window	Apron	Wood	Intact	White	1.8	NEG	--	0.14	0.16
78	Lower	B	Storage	Cabinet	Wall	Wood	Intact	Orange	1.6	NEG	--	0.13	0.14
79	Lower	B	Storage	Cabinet	Wall	Wood	Intact	Green	1.0	NEG	--	0.07	0.03
80	Lower	B	Storage	Wall	Wall	Concrete	Intact	Green	1.8	NEG	--	0.01	0.18
81	Lower	--	Storage	Ceiling	Ceiling	Drywall	Intact	White	1.0	NEG	--	0.00	0.01
82	**Lower**	**--**	**Storage**	**Ceiling**	**Beam**	**Wood**	**Intact**	**Pink**	**2.9**	**POS**	**40 LF**	**1.81**	**0.70**
83	**Lower**	**A**	**Storage**	**Wall**	**Wall**	**Corkboard**	**Intact**	**White**	**2.8**	**POS**	**200 SF**	**0.96**	**0.16**
84	Lower	A	Storage	Wall	Wall	Wood	Intact	White	1.0	NEG	--	0.00	0.10
85	Lower	A	Storage	Door	Crown mold	Wood	Intact	White	1.0	NEG	--	0.00	0.10

Table 2 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
86	**Lower**	**B**	**Storage**	**Door**	**Door**	**Wood**	**Intact**	**Pink**	**2.9**	**POS**	**1 EA**	**2.04**	**0.70**
87	Lower	B	Storage	Door	Casing	Wood	Intact	Pink	1.7	NEG	--	0.82	0.13
88	**Lower**	**B**	**Storage**	**Door**	**Jamb**	**Wood**	**Intact**	**Pink**	**3.1**	**POS**	**15 LF**	**0.99**	**0.18**
89	**Lower**	**B**	**Storage**	**Door**	**Casing**	**Wood**	**Intact**	**Pink**	**4.0**	**POS**	**15 LF**	**1.70**	**0.67**
90	**Lower**	**B**	**Storage**	**Chalkboard**	**Trim**	**Wood**	**Intact**	**Pink**	**2.0**	**POS**	**25 LF**	**1.86**	**0.40**
91	**Lower**	**B**	**Storage**	**Chalkboard**	**Ledge**	**Wood**	**Intact**	**Pink**	**2.5**	**POS**	**10 LF**	**1.77**	**0.37**
92	Lower	B	Storage	Wall	Baseboard	Wood	Intact	Pink	1.9	NEG	--	0.04	0.11
93	Lower	C	Men's restroom	Wall	Wall	Plaster	Intact	White	2.5	NEG	--	0.01	0.13
94	Lower	C	Men's restroom	Wall	Wall	Ceramic tile	Intact	White	5.3	NEG	--	0.08	0.28
95	Lower	--	Men's restroom	Floor	Floor	Ceramic tile	Intact	White	10.0	NEG	--	0.09	0.47
96	Lower	--	Men's restroom	Ceiling	Ceiling	Plaster	Intact	White	1.0	NEG	--	0.00	0.01
97	Lower	D	Men's restroom	Wall	Wall	Plaster	Intact	White	1.0	NEG	--	0.00	0.06
98	Lower	D	Men's restroom	Wall	Baseboard	Ceramic tile	Intact	White	10.0	NEG	--	0.10	0.23
99	Lower	D	Men's restroom	Door	Door	Wood	Intact	White	1.0	NEG	--	0.00	0.08
100	Lower	D	Men's restroom	Door	Casing	Wood	Intact	White	1.2	NEG	--	0.01	0.13
101	Lower	D	Men's restroom	Door	Jamb	Wood	Intact	White	6.3	NEG	--	0.03	0.09
102	Lower	D	Men's restroom	Sink	Sink	Porcelain	Intact	White	1.0	NEG	--	0.00	0.01
103	Lower	C	Men's restroom	Urinal	Urinal	Porcelain	Intact	White	1.8	NEG	--	0.01	0.17
104	Lower	B	Men's restroom	Toilet	Toilet	Porcelain	Intact	White	5.7	NEG	--	0.07	0.20
105	Lower	A	Men's restroom	Lockers	Lockers	Metal	Intact	Green	1.0	NEG	--	0.01	0.04
106	Lower	B	Men's restroom	Stall	Door	Metal	Intact	Blue/gray	1.0	NEG	--	0.00	0.05
107	Lower	B	Men's restroom	Stall	Wall	Metal	Intact	Blue/gray	1.0	NEG	--	0.00	0.04
Main Building													
108	Lower	B	South room	Wall	Wall	Concrete	Intact	White	1.9	NEG	--	0.03	0.13
109	Lower	D	South room	Wall	Wall	Wood	Intact	White	1.0	NEG	--	0.00	0.09
110	Lower	D	South room	Door	Door	Wood	Intact	Tan	1.0	NEG	--	0.00	0.10
111	Lower	D	South room	Door	Casing	Wood	Intact	Tan	1.0	NEG	--	0.00	0.07
112	Lower	D	South room	Door	Jamb	Wood	Intact	Tan	1.0	NEG	--	0.00	0.11
113	Lower	A	South room	Wall	Crown mold	Wood	Intact	White	3.4	NEG	--	0.10	0.26
114	Lower	D	South room	Cabinet	Wall	Wood	Intact	White	1.0	NEG	--	0.00	0.07
115	Lower	D	South room	Cabinet	Shelf	Wood	Intact	White	1.0	NEG	--	0.00	0.09
116	Lower	C	Finance	Door	Door	Wood	Intact	Blue	1.0	NEG	--	0.00	0.08

Table 2 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
117	**Lower**	**C**	**Finance**	**Door**	**Casing**	**Wood**	**Intact**	**Blue**	**2.2**	**POS**	**50 LF**	**1.03**	**0.15**
118	**Lower**	**C**	**Finance**	**Door**	**Jamb**	**Wood**	**Intact**	**Blue**	**3.6**	**POS**	**50 LF**	**0.99**	**0.19**
119	Lower	C	Finance	Window	Sash	Metal	Intact	Blue	1.1	NEG	--	0.17	0.11
120	Lower	C	Finance	Window	Casing	Wood	Intact	Blue	2.0	NEG	--	0.15	0.18
121	Lower	C	Finance	Window	Trough	Wood	Intact	Blue	4.2	NEG	--	0.22	0.35
122	Lower	C	Finance	Window	Apron	Wood	Intact	White	1.0	NEG	--	0.04	0.06
123	Lower	A	Finance	Wall	Wall	Drywall	Intact	Tan	1.3	NEG	--	0.00	0.08
124	Lower	A	Finance	Door	Door	Wood	Intact	White	1.0	NEG	--	0.00	0.09
125	Lower	A	Finance	Door	Casing	Wood	Intact	White	1.0	NEG	--	0.00	0.06
126	Lower	A	Finance	Door	Jamb	Wood	Intact	White	1.0	NEG	--	0.00	0.06
127	Lower	A	Finance	Wall	Wall	Wood	Intact	White	2.8	NEG	--	0.01	0.13
128	Lower	A	Finance	Wall	Crown mold	Wood	Intact	White	1.9	NEG	--	0.03	0.12
129	Lower	D	Finance	Wall	Wall	Drywall	Intact	Tan	1.0	NEG	--	0.00	0.10
130	Lower	D	Finance	Partition	Cap	Wood	Intact	Turquoise	1.0	NEG	--	0.00	0.11
131	Lower	--	Finance	Ceiling	Ceiling beam	Wood	Intact	White	1.0	NEG	--	0.00	0.11
132	Lower	C	Exterior	Window	Sash	Metal	Intact	Blue	2.2	NEG	--	0.24	0.22
133	Lower	C	Exterior	Window	Casing	Wood	Intact	Blue	4.4	NEG	--	0.49	0.27
134	Lower	C	Exterior	Window	Sill	Wood	Intact	Blue	1.1	NEG	--	0.05	0.08
135	Lower	C	Exterior	Canopy	Column	Wood	Intact	Blue	2.8	NEG	--	0.01	0.11
136	Lower	C	Exterior	Canopy	Beam	Wood	Intact	Blue	1.0	NEG	--	0.00	0.07
137	Lower	C	Exterior	Canopy	Slat	Wood	Intact	Blue	1.0	NEG	--	0.00	0.11
138	Lower	C	Exterior	Wall	Wall	Stucco	Intact	Blue/gray	2.8	NEG	--	0.04	0.24
139	Lower	D	Exterior	Wall	Wall	Stucco	Intact	Blue/gray	1.9	NEG	--	0.01	0.13
140	Lower	D	Exterior	Shed	Wall	Wood	Intact	Blue/gray	1.0	NEG	--	0.00	0.06
141	Lower	D	Exterior	Shed	Door	Wood	Intact	White	1.0	NEG	--	0.00	0.04
142	Lower	D	Exterior	Shed	Door casing	Wood	Intact	Blue/gray	1.0	NEG	--	0.00	0.05
143	Lower	D	Exterior	Stair	Tread	Wood	Intact	Blue	2.1	NEG	--	0.02	0.19
144	Lower	D	Exterior	Stair	Stringer	Wood	Intact	Blue	1.0	NEG	--	0.00	0.08
145	Lower	D	Exterior	Stair	Baluster	Wood	Intact	Blue	1.0	NEG	--	0.00	0.05
146	Lower	D	Exterior	Stair	Rail cap	Wood	Intact	Blue	1.0	NEG	--	0.00	0.08
147	Main	A	Exterior	Wall	Wall	Stucco	Intact	Blue/gray	3.2	NEG	--	0.02	0.14
148	Main	A	Exterior	Door	Door	Wood	Intact	Blue	3.2	NEG	--	0.02	0.15

Table 2 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
149	Main	A	Exterior	Door	Casing	Wood	Intact	Blue	1.0	NEG	--	0.00	0.10
150	Main	A	Exterior	Door	Jamb	Wood	Intact	Blue	1.0	NEG	--	0.01	0.03
151	Main	A	Exterior	Window	Casing	Wood	Intact	Blue	1.0	NEG	--	0.00	0.08
152	Main	A	Exterior	Bulletin board	Door	Wood	Intact	Blue	1.0	NEG	--	0.00	0.07
153	Main	A	Exterior	Bulletin board	Case	Wood	Intact	Blue	4.1	NEG	--	0.02	0.09
154	Main	A	Exterior	Overhang	Ceiling	Stucco	Intact	Blue/gray	1.0	NEG	--	0.00	0.02
155	Main	A	Exterior	Overhang	Trim	Wood	Intact	Blue	1.0	NEG	--	0.03	0.07
156	Main	A	Lobby	Wall	Wall	Brick	Intact	White	1.8	NEG	--	0.01	0.09
157	Main	C	Lobby	Wall	Wall	Drywall	Intact	White	1.0	NEG	--	-0.93	1.10
158	Main	--	Lobby	Ceiling	Ceiling	Stucco	Intact	White	1.0	NEG	--	0.00	0.09
159	Main	--	Lobby	Floor	Floor	Brick	Intact	Brown	3.0	NEG	--	0.03	0.18
160	Main	C	Lobby	Wall	Baseboard	Brick	Intact	Brown	4.8	NEG	--	0.03	0.12
161	Main	D	Conference	Window	Sash	Metal	Intact	Pink	1.3	NEG	--	0.15	0.12
162	Main	D	Conference	Window	Casing	Wood	Intact	Pink	2.5	NEG	--	0.23	0.25
163	Main	D	Conference	Window	Trough	Wood	Intact	Pink	2.7	NEG	--	0.35	0.32
164	Main	C	Conference	Door	Door	Wood	Intact	Tan	1.0	NEG	--	0.00	0.11
165	Main	C	Conference	Door	Casing	Wood	Intact	Tan	2.2	NEG	--	0.01	0.13
166	Main	C	Conference	Door	Jamb	Wood	Intact	Tan	1.0	NEG	--	0.00	0.06
167	Main	C	Conference	Wall	Wall	Plaster	Intact	White	2.2	NEG	--	0.01	0.12
168	Main	A	Main	Wall	Wall	Plaster	Intact	White	5.2	NEG	--	0.03	0.12
169	Main	A	Main	Door	Door	Wood	Intact	Blue	3.1	NEG	--	0.55	0.29
170	Main	A	Main	Door	Jamb	Wood	Intact	Blue	1.8	NEG	--	0.74	0.16
171	Main	A	Main	Door	Casing	Wood	Intact	Blue	2.2	NEG	--	0.65	0.18
172	Main	A	Main	Window	Sash	Metal	Intact	Blue	1.0	NEG	--	0.05	0.03
173	Main	A	Main	Window	Casing	Wood	Intact	Blue	2.2	NEG	--	0.24	0.23
174	Main	A	Main	Window	Trough	Wood	Intact	Blue	1.3	NEG	--	0.11	0.11
175	Main	B	Main	Wall	Wall	Plaster	Intact	White	1.0	NEG	--	0.00	0.10
176	Main	B	Main	Partition	Wall	Drywall	Intact	White	1.0	NEG	--	0.00	0.06
177	Main	B	Main	Partition	Door	Wood	Intact	Pink	1.1	NEG	--	0.00	0.10
178	Main	B	Main	Partition	Door casing	Wood	Intact	Pink	1.0	NEG	--	0.00	0.06
179	Main	B	Main	Partition	Door jamb	Wood	Intact	Pink	1.0	NEG	--	0.00	0.06
180	Main	B	Main	Partition	Cap	Wood	Intact	Blue	2.8	NEG	--	0.02	0.15

Table 2 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
181	Main	C	Main	Window	Sash	Metal	Intact	White	1.8	NEG	--	0.20	0.17
182	Main	C	Main	Window	Casing	Wood	Intact	White	2.3	NEG	--	0.23	0.24
183	Main	C	Main	Window	Trough	Wood	Intact	White	2.0	NEG	--	0.41	0.22
184	Main	C	Exterior	Window	Sash	Metal	Intact	Blue	1.0	NEG	--	0.03	0.05
185	Main	C	Exterior	Window	Casing	Wood	Intact	Blue	3.8	NEG	--	0.03	0.16
186	Main	--	Main	Ceiling	Beam	Wood	Intact	Pink	1.9	NEG	--	0.25	0.17
187	Main	--	Main	Skylight	Trim	Wood	Intact	White	1.0	NEG	--	0.00	0.01
188	Main	--	Main	Ceiling	Ceiling tile	Acoustic	Intact	White	4.9	NEG	--	0.04	0.15
201	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.1	POS	--	1.18	0.13
202	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.10	0.11
203	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.08	0.07

Notes

POS = Positive

NEG = Negative

mg/cm^2 = milligrams per square centimeter

APPENDIX A

SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLING PROTOCOL

SUSPECT ASBESTOS-CONTAINING MATERIALS
SAMPLING PROTOCOL

Personal Protection Equipment

Inhalation of asbestos fibers during asbestos survey may pose a serious health hazard, the use of personal protection equipment (PPE) by building inspectors is suggested during the sampling process. Inspectors should wear a respirator with either a full- or half-face mask-type respirator and high-efficiency disposable filter cartridges. Full-face masks will also prevent eye irritation from dust, fibers, and debris released during the sampling operation. Disposable clothing should be worn during sampling, if necessary. Inspectors should utilize plastic bags to handle the disposal of drop cloths, protective clothing, wet cloths, and debris.

Sampling Equipment

Inspectors will need various tools and aids to accomplish their sampling tasks, including those listed below:

- a ladder and flashlight to access areas and to aid visibility,
- airtight, sampling containers (e.g., resealable plastic bags),
- a plastic spray mister bottle with water to spray the area to be sampled,
- plastic drop cloths to spread beneath the area to be sampled,
- a knife, linoleum cutter, screwdriver, or other tool appropriate for collecting samples,
- a caulking gun and compound for filling holes once a sample has been extracted,
- spray acrylic or adhesive to encapsulate sample extractions,
- duct tape for repairing thermal system insulation jackets,
- cloths and cleaner for decontaminating tools,
- a vacuum cleaner equipped with high efficiency particulate air (HEPA) filters, if available,
- indelible ink pen for labeling sample containers, and
- camera for photographic documentation.

Sampling Procedures

ACMs are divided into three categories: surfacing materials, thermal system insulation (TSI), and miscellaneous materials. The procedures for sampling these three types of materials are as follows:

Surfacing Materials

1. Spread a plastic drop cloth on the floor and set up other equipment, (e.g., ladder).
2. Put on protective equipment (respirator at all times when sampling friable material and protective clothing, if needed).
3. Label container with its sample identification number and fill out location and type of material sampled on a sampling data form.
4. Mark the location and sample identification number on the sample container and on the sample location map.
5. Moisten area where sample is to be collected (spray the immediate area with water).
6. Collect sample using a clean knife or other tool appropriate to cut out or scrape off a small piece of the material. Be sure to penetrate all layers of material. Be careful not to disturb adjacent material.
7. Place sample in a container and tightly seal it.
8. Wipe the exterior of the container with a wet wipe to remove any residue which may have adhered to the container it during sampling.
9. Clean tools with wet wipes and wet mop or vacuum area with a HEPA vacuum to clean all debris.
10. Fill hole with caulking compound or appropriate filler (to minimize subsequent fiber release and for appearance).
11. Repeat the above steps at each sample location. Place sample containers in plastic bags.
12. Discard protective clothing, rags, and drop cloth in a plastic bag.

Thermal System Insulation

Sampling TSI follows the same procedural sequence as laid out above. Obtain samples from exposed or damaged areas, if possible. However, random sampling will require sampling of some intact material. Sampling holes can be patched with plastic spackling, caulk, or fibrous glass.

Miscellaneous Materials

Sampling miscellaneous materials follows the same procedural sequence as laid out above, making sure that a cross section of the materials have been obtained.

Forwarding Samples to Laboratory

The samples are transferred, using standard chain-of-custody procedures, to a laboratory accredited in the National Voluntary Laboratory Accreditation Program (NVLAP), for bulk asbestos fiber analysis. The samples are analyzed using polarized light microscopy with dispersion staining (PLM/ds) for the presence and quantification of asbestos fibers, in general accordance with either United States Environmental Protection Agency (USEPA) Method 600/M4-82-020 or USEPA Method 600/R-93/116. The lower limit of reliable detection for asbestos using the PLM/ds method is approximately 1% by volume. California regulations now define ACMs as those materials having an asbestos content of greater than one tenth of 1% (0.1%).

APPENDIX B

XRF TESTING METHODOLOGY

XRF TESTING METHODOLOGY

To assess the painted surfaces for future contractor worker safety, x-ray fluorescence (XRF) testing technologies were utilized. The testing was conducted in general accordance with the following regulations: 1) Title 17, California Code of Regulations, Division 1, Chapter 8, Accreditation Certification, and Work Practice in Lead Related Construction, Section 36000.

After a visual assessment, accessible painted surfaces were screened for lead content with a NITON 309 XRF spectrum analyzer. XRF readings were taken using the standard paint mode. Standard paint mode measurements have no predetermined testing length, and automatically adjust to account for various types of substrates and material's densities.

In the standard paint mode, the NITON 309 XRF tests until a K-shell result is indicated as either positive or negative, compared to the threshold level based on the current precision of the test. Correction for paint matrix and substrate effects is performed automatically.

XRF readings were made on testing combinations in all room equivalents in an effort to test typical materials which are representative of the room equivalent. Testing combinations were tested non-destructively by holding the XRF against the surface being tested. At each XRF sample location the shutter is opened, and one reading was made using the standard paint testing mode. Results of each test were read from the digital display of the instrument console and recorded on the XRF Data Sheet attached as Table 2.

To ensure that the XRF equipment was working properly, various quality control tests were performed before, during, and after the on-site work. At the beginning of the work day, three start up validation measurements were made in the standard paint calibration mode, using the calibration check standard associated with the particular XRF that was used. This painted standard contains a known quantity of lead and allows the XRF operator to determine whether the instrument is functioning within acceptable tolerance ranges for accuracy and precision, as determined by the manufacturer.

In addition to the three starts up tests, calibration readings were taken on the red 1.06 mg/cm^2 and/or yellow 1.57 mg/cm^2 Standard Reference Material (SRM) paint film, developed by the National Institute of Standards and Technology (NIST). Results of each reading

were recorded on the XRF Data Sheet. This calibration check was also performed after four hours and at the end of the day. The quality control tests taken during testing at the subject property were within the acceptable performance range prescribed by the XRF equipment manufacturer. Documentation of the quality control calibration check is included in the XRF Data Sheet, Table 2.

APPENDIX C

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY RECORDS

PSI Information To Build On
Engineering • Consulting • Testing

REPORT OF BULK SAMPLE ANALYSIS FOR ASBESTOS

TESTED FOR: Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
Attn: Brendan Phelan

Project ID: 815-3A045
Project# 105718001
City of Del Mar
1050 Camino Del Mar
Del Mar, CA

Date Received: 10/5/2005 **Date Completed:** 10/7/2005 **Date Reported:** 10/10/2005

Analyst: DB **Work Order:** 0510094

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) *Analyst's Comment*	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
NM03-ASB-001	001A	(1) Gray, Plaster, Homogeneous	NO ASBESTOS DETECTED	2% Hair 4% Cellulose fiber
NM03-ASB-002	002A	(1) Gray, Plaster, Homogeneous	NO ASBESTOS DETECTED	2% Hair 4% Cellulose fiber
NM03-ASB-003	003A	(1) Gray, Plaster, Homogeneous	NO ASBESTOS DETECTED	2% Hair 4% Cellulose fiber
NM03-ASB-004	004A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	95% Cellulose fiber
NM03-ASB-005	005A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	95% Cellulose fiber
NM03-ASB-006	006A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	95% Cellulose fiber
NM03-ASB-007	007A	(1) Gray, Stucco, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-008	008A	(1) Gray, Stucco, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-009	009A	(1) Gray, Stucco, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-010	010A	(1) Brown, Floor Tile, Homogeneous (2) Black, Mastic, Homogeneous	5% Chrysotile NO ASBESTOS DETECTED	None Reported None Reported
NM03-ASB-011	011A	(1) Brown, Floor Tile, Homogeneous (2) Black, Mastic, Homogeneous	5% Chrysotile NO ASBESTOS DETECTED	None Reported None Reported

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Method for the Determination of Asbestos in Bulk Building Materials (EPA / 600/R-93/116 July 1993). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight.

Respectfully submitted,
PSI, Inc.

Maureen L. Sammons

Approved Signatory
Maureen Sammons

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) *Analyst's Comment*	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
NM03-ASB-012	012A	(1) Brown, Floor Tile, Homogeneous	5% Chrysotile	None Reported
		(2) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-013	013A	(1) Black, Basecove, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Yellow, Glue, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-014	014A	(1) Black, Basecove, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Yellow, Glue, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-015	015A	(1) Black, Basecove, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Yellow, Glue, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-016	016A	(1) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass
NM03-ASB-017	017A	(1) White, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	< 1% Chrysotile	None Reported
NM03-ASB-018	018A	(1) White, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
NM03-ASB-019	019A	(1) White, Plaster, Homogeneous	< 1% Chrysotile	None Reported
NM03-ASB-020	020A	(1) White, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
NM03-ASB-021	021A	(1) White, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	< 1% Chrysotile	None Reported
NM03-ASB-022	022A	(1) White, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	< 1% Chrysotile	None Reported
NM03-ASB-023	023A	(1) Green, Skim Coat, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Gray, Base Coat, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-024	024A	(1) White, Skim Coat, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Gray, Base Coat, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-025	025A	(1) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass
NM03-ASB-026	026A	(1) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass
NM03-ASB-027	027A	(1) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	20% Cellulose fiber
NM03-ASB-028	028A	(1) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	20% Cellulose fiber
NM03-ASB-029	029A	(1) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass

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Respectfully submitted,
PSI, Inc.

Maureen L. Sammons

Approved Signatory
Maureen Sammons

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) *Analyst's Comment*	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
NM03-ASB-030	030A	(1) Black, Mastic, Homogeneous	7% Chrysotile	None Reported
NM03-ASB-031	031A	(1) Tan, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-032	032A	(1) Tan, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-033	033A	(1) Tan, Basecove, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-034	034A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	95% Cellulose fiber
NM03-ASB-035	035A	(1) Gray, Vinyl Sheeting, Homogeneous	NO ASBESTOS DETECTED	10% Cellulose fiber
		(2) Gray, Vinyl Sheeting, Homogeneous	NO ASBESTOS DETECTED	10% Synthetic Fiber
NM03-ASB-036	036A	(1) Tan, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-037	037A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	95% Cellulose fiber
NM03-ASB-038	038A	(1) Tan, Basecove, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Yellow, Glue, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-039	039A	(1) White, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-040	040A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	95% Cellulose fiber
NM03-ASB-041	041A	(1) Tan, Covebase, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Brown, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-042	042A	(1) Gray, Stucco, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-043	043A	(1) Gray, Stucco, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-044	044A	(1) Gray, Stucco, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-045	045A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	95% Cellulose fiber
		(2) Brown, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-046	046A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	95% Cellulose fiber
NM03-ASB-047	047A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	95% Cellulose fiber

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PSI, Inc.

Maureen L. Sammons

Approved Signatory
Maureen Sammons

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) *Analyst's Comment*	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
NM03-ASB-049	048A	(1) Tan, Basecove, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-050	049A	(1) Tan, Basecove, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-051	050A	(1) Tan, Basecove, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-052	051A	(1) White, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-053	052A	(1) White, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-054	053A	(1) White, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-055	054A	(1) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-056	055A	(1) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-057	056A	(1) Orange, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Black, Mastic, Homogeneous	4% Chrysotile	None Reported
NM03-ASB-058	057A	(1) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	5% Cellulose fiber 10% Fibrous Glass
NM03-ASB-059	058A	(1) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	5% Cellulose fiber 10% Fibrous Glass
NM03-ASB-060	059A	(1) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	5% Cellulose fiber 10% Fibrous Glass
NM03-ASB-061	060A	(1) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	10% Cellulose fiber
NM03-ASB-062	061A	(1) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	10% Cellulose fiber
NM03-ASB-063	062A	(1) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	10% Cellulose fiber
NM03-ASB-064	063A	(1) Gray, Tape, Homogeneous	NO ASBESTOS DETECTED	90% Cellulose fiber

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Respectfully submitted,
PSI, Inc.

Maureen L. Sammons

Approved Signatory
Maureen Sammons

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) *Analyst's Comment*	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
NM03-ASB-065	064A	(1) Gray, Other, Homogeneous *Sealant*	NO ASBESTOS DETECTED	None Reported

Report Notes: **(PT) Point Count Results**

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Method for the Determination of Asbestos in Bulk Building Materials (EPA / 600/R-93/116 July 1993). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight.

Respectfully submitted,
PSI, Inc.

Maureen L. Sammons

Approved Signatory
Maureen Sammons

psi Information To Build On
Engineering • Consulting • Testing

REPORT OF BULK SAMPLE ANALYSIS FOR ASBESTOS

TESTED FOR: Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
Attn: Brendan Phelan

Project ID: 815-3A045 -- Revised 10/18/05
Project# 105718001
City of Del Mar
1050 Camino Del Mar
Original WO# 0510094

Date Received: 10/17/2005 **Date Completed:** 10/18/2005 **Date Reported:** 10/18/2005

Analyst: DA **Work Order:** 0510350 **Page:** 1 of 1

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) *Analyst's Comment*	Asbestos Content (Percent and Type)		Non-asbestos Fibers (Percent and Type)
NM03-ASB-017	001A	(1) White, Joint Compound, Homogeneous *1000 Point Count*	< 0.1%	CHRYSOTILE (PT)	None Reported
NM03-ASB-019	002A	(1) White, Plaster, Homogeneous *1000 Point Count*	< 0.1%	CHRYSOTILE (PT)	None Reported
NM03-ASB-021	003A	(1) White, Joint Compound, Homogeneous *1000 Point Count*	< 0.1%	CHRYSOTILE (PT)	None Reported
NM03-ASB-022	004A	(1) White, Joint Compound, Homogeneous *1000 Point Count*	0.1%	CHRYSOTILE (PT)	None Reported

Report Notes: **(PT) Point Count Results**

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Method for the Determination of Asbestos in Bulk Building Materials (EPA / 600/R-93/116 July 1993). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight.

Respectfully submitted,
PSI, Inc.

Maureen L. Sammons

Approved Signatory
Maureen Sammons

ASBESTOS BULK SAMPLE DATA SHEET 0510094 (S)

Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
Tel: (858) 576-1000
Fax: (858) 576-9600

Project Name: City of Del Mar / 1050 Camino del Mar
Project No.: 105718001
Project Manager: GLK
Site Address: 1050 Camino Del Mar
Del Mar, CA

Sampled By: TAB
Sampled By: JBP
Sampled By:
Date Sampled: 9/30/05

Laboratory:
PSI
Pittsburgh, PA
Tel: (412) 922-4001
Fax: (412) 922-4844

CHAIN OF CUSTODY INFORMATION:

Relinquished By: (sign/print)	Company	Date	Time (24 hr.)	Received By: (sign/print)	Laboratory
J. Brendan Phelan	Ninyo&Moore	10/3/05	17:00, via FedEX	Preet Dhit 10-5-05 9am	

Sample ID	Building Number	Room Number	Sample Location	Sample Description	Quantity (SF/LF/E)	Friable (Y/N)	Condition
NM03-ASB 001	File store	1st flr	South/west corner	plaster Drywall/ Int.		N	
NM03-ASB 002			South wall/ Behind BLK Board	plaster Drywall / Int.			
NM03-ASB 003			North wall - Between windows	plaster Drywall Int.			
NM03-ASB 004			~~AC~~ West wall / ceiling	Acoustic ceiling Tile			
NM03-ASB 005			north west corner by Heater	Acoustic ceiling tile			
NM03-ASB 006	↓	↓	Center of room ceiling	Acoustic ceiling tile			
NM03-ASB 007			South corner by stairs	Exterior stucco			
NM03-ASB 008	↓	↓	East wall next to glass door	Exterior stucco			
NM03-ASB 009	File store	2nd flr	~~West~~ south/ west corner	Exterior stucco			
NM03-ASB 010		2nd flr	South / west floor	vinyle floor tile & mastic			
NM03-ASB 011		2nd flr	north / east floor	9x9 floor tile & mastic			
NM03-ASB 012		2nd flr	north / west floor	9x9 floor tile & mastic			
NM03-ASB 013	File store	1st flr	~~EAST~~ East wall, near Walkway	Base Cove & Glue			
NM03-ASB 014	↓	↓	~~we~~ center wall	Base Cove & Glue			
NM03-ASB 015	↓	↓	West wall	Base Cove & Glue			

ASBESTOS BULK SAMPLE DATA SHEET

Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
Tel: (858) 576-1000
Fax: (858) 576-9600

Project Name : City of Del Mar / 1050 Camino del Mar
Project No.: 105718001
Project Manager: GLK
Site Address: 1050 Camino Del Mar
Del Mar, CA

Sampled By: TAB
Sampled By: JBP
Sampled By:
Date Sampled: 9/30/05

Laboratory:
PSI
Pittsburgh, PA
Tel: (412) 922-4001
Fax: (412) 922-4844

CHAIN OF CUSTODY INFORMATION:

Relinquished By: (sign/print)	Company	Date	Time (24 hr.)	Received By: (sign/print)	Laboratory
/J. Brendan Phelan	Ninyo&Moore	10/3/05	17:00, via FedEx	P.J.H.	

Sample ID	Building Number	Room Number	Sample Location	Sample Description	Quantity (SF/LF/E	Friable (Y/N)	Condition
NM03-ASB 016		2nd Flr	Roof over womens Bath.	Roof Coal		Y	Good
NM03-ASB 017		2nd Flr	~~Dry~~ North wall over door	Drywall			
NM03-ASB 018		2nd Flr	South/East wall over Bookcase	Drywall			
NM03-ASB 019		2nd Floor	- West wal/between windo	plaster			
NM03-ASB 020		2nd Floor	Entry Door; ceiling	Drywall			
NM03-ASB 021		2nd floor	North / ceiling	Drywall / Joint compo			
NM03-ASB 022		2nd Flr	South / east ceiling	Drywall / Joint Compo			
NM03-ASB 023		1st Floor	South/East Brick damin	ext stucco			
NM03-ASB 024		2nd Flr	Ext west wall - womens RR.	Ext Stucco			
NM03-ASB 025		Roof	Roof - South / west	Roof COLE			
NM03-ASB 026		Roof	Roof - North EAST	Roof Coal			
NM03-ASB 027		Roof	Roof = Center - Roof vent	mastic			
NM03-ASB 028		Roof	Roof = North/west parapet wall	mastic			
NM03-ASB 029		Roof	Roof = East center	Roof COLE			
NM03-ASB 030		Roof	roof = west wall center	mastic			

ASBESTOS BULK SAMPLE DATA SHEET

Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
Tel: (858) 576-1000
Fax: (858) 576-9600

Project Name : City of Del Mar / 1050 Camino Del Mar
Project No.: 105718001
Project Manager: GLK
Site Address: 1050 Camino Del Mar
Del Mar, CA

Sampled By: TAB
Sampled By: JBP
Sampled By:
Date Sampled: 9/30/05

Laboratory:
PSI
Pittsburgh, PA
Tel: (412) 922-4001
Fax: (412) 922-4844

CHAIN OF CUSTODY INFORMATION:

Relinquished By: (sign/print)	Company	Date	Time (24 hr.)	Received By: (sign/print)	Laboratory
J. Brendan Phelan	Ninyo&Moore	10/3/05	17:00, via FedEX	P.S.H.	

Sample ID	Building Number	Room Number	Sample Location	Sample Description	Quantity (SF/LF/E	Friable (Y/N)	Condition
NM03-ASB 031		mens RR	west wall - Entry	Drywall - Joint compd			
NM03-ASB 032		mens RR	South wall - toilet	Drywall - Joint compd.			
NM03-ASB 033	main	Down stairs	floor next to copier	Tan base cove			
NM03-ASB 034	main	Down stairs	breakroom - north/east corner	ceiling tile			
NM03-ASB 035		Down stairs	breakroom - behind entry door	sheet vynle floor			
NM03-ASB 036		Down stairs	breakroom - behind entry door	Drywall / Joint compound.			
NM03-ASB 037		Down stairs	Entry Finance Dept - north wall	ceiling tile			
NM03-ASB 038			Entry Finance Dept - Door Jam	Base - cove			
NM03-ASB 039			Entry Finance Dept north wall	Drywall Joint compound			
NM03-ASB 040			East wall - ceiling - middle	ceiling TILE			
NM03-ASB 041			north/east wall - center	Base cove / mastic			
NM03-ASB 042			west wall center - above window	Ext. Stucco			
NM03-ASB 043			South wall center - by stairs	Ext. Stucco			
NM03-ASB 044	↓	↓	North wall center - by elec.	Ext. Stucco			
NM03-ASB 045	main	Ist floor	North/west wall - comp. Room	Acoustic ceiling tile / mastic			

ASBESTOS BULK SAMPLE DATA SHEET

Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
Tel: (858) 576-1000
Fax: (858) 576-9600

Project Name : City of Del Mar / 1050 Camino del Mar
Project No.: 105718001
Project Manager: BJK
Site Address: 1050 Camino del Mar
Del Mar, CA

Sampled By: TAB
Sampled By: JBP
Sampled By:
Date Sampled: 9/30/05

Laboratory:
PSI
Pittsburgh, PA
Tel: (412) 922-4001
Fax: (412) 922-4844

CHAIN OF CUSTODY INFORMATION:

Relinquished By: (sign/print)	Company	Date	Time (24 hr.)	Received By: (sign/print)	Laboratory
J. Brendan Phelan	Ninyo&Moore	9/30/05	17:00, via FedEx	P.J.H.	

Sample ID	Building Number	Room Number	Sample Location	Sample Description	Quantity (SF/LF/E	Friable (Y/N)	Condition
NM03-ASB 046	main	1st flr	~~North/west corner~~ center	Acoustic ceiling tile			
NM03-ASB 047		1st flr	north/west corner	Acoustic ceiling tile			
~~NM03-ASB 048~~		—	Not Sampled	~~Acoustic ceiling tile~~			
NM03-ASB 049		1st	file storage Room - west wall	Base cove			
NM03-ASB 050		1st	South-east wall	Base cove			
NM03-ASB 051		1st	west wall - under Draft tbls	Base cove			
NM03-ASB 052		1st	Int partition wall break room	Drywall & mud			
NM03-ASB 053		1st	Int partition wall file room	Drywall & Joint compound			
NM03-ASB 054		1st	Int wall - south / East wall	Drywall & Joint compd.			
NM03-ASB 055		1st	Lobby, south~~west~~ east corner	Carpet mastic			
NM03-ASB 056		↓	Main Rm, northwest corner	↓			
NM03-ASB 057		↓	Main Rm, southeast corner	↓			
NM03-ASB 058			Low north-front	Roof core (orange & black)			
NM03-ASB 059			Main roof south/west corner	Roof core			
NM03-ASB 060			Main roof North end	Roof core			

ASBESTOS BULK SAMPLE DATA SHEET

Ninyo & Moore 5710 Ruffin Road San Diego, CA 92123 Tel: (858) 576-1000 Fax: (858) 576-9600	**Project Name :** City of Del Mar / 1050 Camino Del Mar Project No.: 105718001 Project Manager: GLK Site Address: 1050 Camino Del Mar Del Mar, CA	Sampled By: TAB Sampled By: JBP Sampled By: Date Sampled: 9/30/05	**Laboratory:** PSI Pittsburgh, PA Tel: (412) 922-4001 Fax: (412) 922-4844

CHAIN OF CUSTODY INFORMATION:

Relinquished By: (sign/print)	Company	Date	Time (24 hr.)	Received By: (sign/print)	Laboratory
/J. Brendan Phelan	Ninyo&Moore	10/3/05	17:00, via FedEX	P.J.H.	

Sample ID	Building Number	Room Number	Sample Location	Sample Description	Quantity (SF/LF/E	Friable (Y/N)	Condition
NM03-ASB 061	Main	Roof	Main roof, north center @ vent	Roof mastic		N	Good
NM03-ASB 062	↓	↓	↓, southwest corner @ pipe	↓		↓	↓
NM03-ASB 063	↓	↓	East roof, south @ column	↓		↓	↓
NM03-ASB 064	↓	↓	↓, HVAC ducts	HVAC duct tape		↓	↓
NM03-ASB 065	↓	↓	↓, ↓	HVAC duct sealant		↓	↓
NM03-ASB 066							
NM03-ASB 067							
NM03-ASB 068							
NM03-ASB 069							
NM03-ASB 070							
NM03-ASB 071							
NM03-ASB 072							
NM03-ASB 073							
NM03-ASB 074							
NM03-ASB 075							

APPENDIX D

DHS FORM 8552 – LEAD HAZARD EVALUATION REPORT

State of California—Health and Human Services Agency | Department of Health Services

LEAD HAZARD EVALUATION REPORT

Section 1—Date of Lead Hazard Evaluation 9/30/05

Section 2—Type of Lead Hazard Evaluation (Check one box only)

☒ Lead inspection ☐ Risk assessment ☐ Clearance inspection ☐ Other (specify) _____

Section 3—Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)]	City	County	ZIP code
1050 Camino Del Mar	Del Mar	San Diego	92014

Construction date (year) of structure: Unknown

Type of structure (check one box only): ☐ Single family dwelling ☐ Multi-unit building ☐ Child-occupied facility ☒ Other (specify) City Office Bldg.

Section 4—Owner of Structure (If business/agency, list contact person)

Name	Telephone number
City of Del Mar, Ms. Carmen Kasner	(858) 755-3294

Address [number, street, apartment (if applicable)]	City	State	ZIP code
1050 Camino Del Mar	Del Mar	CA	92014

Section 5—Results of Lead Hazard Evaluation (Check one box only)

☐ **No lead-based paint detected.**
A lead inspection was conducted following the procedures outlined in Title 17, California Code of Regulations, Division 1, Chapter 8. No lead-based paint was detected during this lead inspection. This structure is found to be lead-based paint free.

☐ **No lead hazards detected.**
Lead hazard evaluation was conducted following the procedures outlined in Title 17, California Code of Regulations, Division 1, Chapter 8. No lead hazards were detected.

☒ **Lead-based paint and/or lead hazards detected.**
Lead hazard evaluation was conducted following the procedures outlined in Title 17, California Code of Regulations, Division 1, Chapter 8. Lead-based paint and/or lead hazards were detected.

Section 6—Individual Conducting Lead Hazard Evaluation

Name	Telephone number
J. Brendan Phelan	(858) 576-1000

Address [number, street, apartment (if applicable)]	City	State	ZIP code
5716 Ruffin Road	San Diego	CA	92123

Brand name and serial number of any portable x-ray fluorescence (XRF) instrument used (if applicable)
Niton 309 XL - 309V4037NR4861

DHS certification number	Signature	Date
#10692	➤ J. Brendan Phelan	11/02/05

Section 7—Attachments

A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint;

B. Each testing method, device, and sampling procedure used;

C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector | *Second copy and attachments retained by owner* | *Third copy only (no attachments) mailed to:*
Department of Health Services
Childhood Lead Poisoning Prevention Branch
Reports
1515 Clay Street, No. 1801
Oakland, CA 94612
FAX (510) 622-5002

DHS 8552 (2/99)

APPENDIX B

SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLING PROTOCOL

SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLING PROTOCOL

Personal Protection Equipment

Inhalation of asbestos fibers during asbestos survey poses a serious health and safety hazard, the use of personal protection equipment (PPE) by building inspectors is recommended during sampling activities. Our building inspectors generally wear a respirator (either a full- or half-face mask) equipped with high-efficiency disposable filter cartridges. If utilized, full-face masks will also prevent eye irritation from dust, fibers, and debris released during sampling activities. When necessary, disposable clothing is worn during sampling activities. Our building inspectors utilize plastic bags to handle the disposal of drop cloths, protective clothing, wet cloths, and debris.

Sampling Equipment

Our building inspectors will need various tools and materials to accomplish their sampling tasks, including those listed below:

- a ladder to access areas and a flash light to aid visibility,
- airtight, sampling containers (e.g., resealable plastic bags),
- a plastic spray bottle, filled with amended water, to wet the material to be sampled,
- plastic drop cloths to spread beneath the area to be sampled,
- a utility knife, linoleum cutter, or other tool appropriate for collecting samples,
- a caulking gun and compound for filling holes once a sample has been extracted,
- spray acrylic or adhesive to encapsulate the small areas from which samples were collected,
- duct tape for repairing thermal system insulation jackets,
- cloths and cleaner for decontaminating tools,
- a vacuum cleaner equipped with high efficiency particulate air (HEPA) filters, when necessary,
- indelible ink pen for labeling sample containers, and
- camera for photographic documentation, and
- Chain-of-Custody documentation forms.

Sampling Procedures

ACMs are divided into three categories: Surfacing materials, Thermal System Insulation (TSI), and Miscellaneous materials. The procedures for sampling these three types of materials are as follows:

Surfacing Materials

1. Select a location where the material has been previously damaged or a low profile area.
2. Spread a plastic drop cloth on the floor and set up other equipment, (e.g., ladder).
3. Put on protective equipment (respirator at all times when sampling friable material and protective clothing, when needed).
4. Moisten area where sample is to be collected (spray the area with amended water).
5. Collect sample using a clean knife or other tool appropriate to cut out or scrape off a small piece of the material. Care is taken to ensure that all layers of material are collected, without disturbing any adjacent material.
6. Place the sample in the labeled container and tightly seal it.
7. Wipe the exterior of the container with a wet wipe to remove any residue which may have adhered to the container it during sampling.
8. Clean tools with wet wipes and vacuum area with a HEPA vacuum to clean all debris.
9. Fill hole with caulking compound or appropriate filler (to minimize subsequent fiber release and for appearance).
10. Label container with its sample identification number and fill out location and type of material being sampled on a Chain-of-Custody documentation form.
11. Mark the location and sample identification number on the sample location map.
12. Repeat the above steps at each sample location. Place sample containers in plastic bags.
13. Discard protective clothing, rags, and drop cloth in a plastic bag.

Thermal System Insulation

Sampling TSI follows the same procedural sequence as laid out above. Obtain samples from exposed or damaged areas, if possible. However, random sampling will require sampling of some intact material. Sampling holes can be patched with plastic spackling, caulk, or fibrous glass.

Miscellaneous Materials

Sampling miscellaneous materials follows the same procedural sequence as laid out above, making sure that a cross section of the materials have been obtained.

Forwarding Samples to Laboratory

The samples are transferred, using standard chain-of-custody procedures, to a laboratory accredited in the National Voluntary Laboratory Accreditation Program (NVLAP), for bulk asbestos fiber analysis. The samples are analyzed using polarized light microscopy with dispersion staining (PLM/ds) for the presence and quantification of asbestos fibers, in general accordance with either United States Environmental Protection Agency (USEPA) Method 600/M4-82-020 or USEPA Method 600/R-93/116. The lower limit of reliable detection for asbestos using the PLM/ds method is approximately 1% by volume. California regulations require certain worker protection standards and have certain contractor requirements for disturbing those materials having an asbestos content of greater than one tenth of 1% (0.1%).

APPENDIX C

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY RECORDS

EMSL Analytical, Inc.
7916 Convoy Court,Building 4, Suite A, San Diego, CA 92111
Phone/Fax: 858-499-1303 / (858) 499-1304
http://www.EMSL.com sandiegolab@emsl.com

EMSL Order:	431302371
CustomerID:	32NIN63
CustomerPO:	
ProjectID:	

Attn: **Nicolas Carpenter**
Ninyo & Moore
5710 Ruffin Road

San Diego, CA 92123

Project: **Del Mar City Hall-Storage Bldg**

Phone:	(858) 576-1000
Fax:	(858) 576-9600
Received:	09/05/13 11:40 AM
Analysis Date:	9/10/2013
Collected:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
006 *431302371-0006*	BASECOVE MASTIC	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
007 *431302371-0007*	PLASTER SKIM COAT	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
008 *431302371-0008*	PLASTER SKIM COAT	Cream Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
009 *431302371-0009*	CEILING PLASTER	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
010-Drywall *431302371-0010*	DW/JC (DRYWALL/JOINT COMPOUND)	White Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	**None Detected**
010-Joint Compound *431302371-0010A*	DW/JC (DRYWALL/JOINT COMPOUND)	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% **Chrysotile**

Analyst(s)

Rebecca Luu (14)

Michelle LaVallee, Laboratory Manager
or other approved signatory

Initial report from 09/10/2013 16:17:38

EMSL Analytical, Inc.
7916 Convoy Court,Building 4, Suite A, San Diego, CA 92111
Phone/Fax: 858-499-1303 / (858) 499-1304
http://www.EMSL.com sandiegolab@emsl.com

EMSL Order:	431302371
CustomerID:	32NIN63
CustomerPO:	
ProjectID:	

Attn: **Nicolas Carpenter**
Ninyo & Moore
5710 Ruffin Road

San Diego, CA 92123

Project: **Del Mar City Hall-Storage Bldg**

Phone:	(858) 576-1000
Fax:	(858) 576-9600
Received:	09/05/13 11:40 AM
Analysis Date:	9/10/2013
Collected:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
001 *431302371-0001*	CARPET MASTIC	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
002 *431302371-0002*	CHALK BOARD MASTIC	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
003-Floor Tile *431302371-0003*	12X12 VFT/MASTIC	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
003-Mastic *431302371-0003A*	12X12 VFT/MASTIC	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
003-Felt *431302371-0003B*	12X12 VFT/MASTIC	Black Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	**None Detected**
004-Floor Tile *431302371-0004*	9X9 VFT/MASTIC	Blue Non-Fibrous Homogeneous		95% Non-fibrous (other)	**5% Chrysotile**
004-Mastic *431302371-0004A*	9X9 VFT/MASTIC	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
005 *431302371-0005*	CARPET PAD/MASTIC	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)

Rebecca Luu (14)

Michelle LaVallee, Laboratory Manager
or other approved signatory

Initial report from 09/10/2013 16:17:38

ASBESTOS BULK SAMPLE DATA SHEET

Ninyo & Moore 5710 Ruffin Road San Diego, CA 92123 Tel: (858) 576-1000 Fax: (858) 576-9600	**Project Name :** Del Mar City Hall - Storage Bldg. Project No.: Project Manager: NJC Site Address: 1050 Camino Del Mar Del Mar, CA	Sampled By: Sampled By: NJC Date Sampled: 9/5/13	**Laboratory:** LA Testing 520 Mission Street South Pasadena, CA 91030 Tel: (323) 254-9960

CHAIN OF CUSTODY INFORMATION:

Relinquished By: (sign/print)	Company	Date	Time (24 hr.)	Received By: (sign/print)	Laboratory
Nic Carpenter	Ninyo&Moore	9/5/13		9/5/13	

Sample ID	Building Number	Room Number	Sample Location	Sample Description	Quantity (SF/LF/E	Friable (Y/N)	Condition
ASB-001	Storage	Main 1	SE corner floor	Carpet mastic		N	Good
ASB-002		Main 2	S. middle wall, at damage	Chalk board mastic		N	Fair
ASB-003		~~Closet 4 Storage 3~~	SE floor	12x12 VFT/mastic		N/N	Good
ASB-004		Kitchen	E. middle edge floor	9x9 VFT/mastic		N/N	Good
ASB-005		Main 2	NE floor	Carpet pad/mastic		Y	Fair
ASB-006		Kitchen	NE corner wall	Basecove mastic		N	Good
ASB-007		Closet 4	W. middle wall, under win.	Plaster skim coat		Y	Poor
ASB-008		Main 2	SE wall, above door	↓		↓	↓
ASB-009		↓	SW ceiling	Ceiling plaster		↓	↓
ASB-010		Lower Storage	Central ceiling	DW/JC (Drywall/joint compound)		N/Y	Good
ASB-011							
ASB-012							
ASB-013							
ASB-014							
ASB-015							

EMSL Analytical, Inc.
7916 Convoy Court,Building 4, Suite A, San Diego, CA 92111
Phone/Fax: 858-499-1303 / (858) 499-1304
http://www.EMSL.com sandiegolab@emsl.com

EMSL Order:	431302371
CustomerID:	32NIN63
CustomerPO:	
ProjectID:	

Attn: **Nicolas Carpenter**
Ninyo & Moore
5710 Ruffin Road

San Diego, CA 92123

Phone:	(858) 576-1000
Fax:	(858) 576-9600
Received:	09/11/13 10:52 AM
Analysis Date:	9/11/2013
Collected:	

Project: **Del Mar City Hall-Storage Bldg**

Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using the 1,000 Point Count Procedure

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
10 *431302371-0011*	JOINT COMPOUND	Beige Non-Fibrous Homogeneous		99.50% Non-fibrous (other)	**0.50% Chrysotile**

Analyst(s)

Rebecca Luu (1)

Michelle LaVallee, Laboratory Manager
or other approved signatory

Some samples may contain asbestos fibers present in dimensions below PLM resolution limits.The limit of detection as stated in the method is 0.1%. EMSL Analytical Inc suggests that samples reported as <0.1% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc. bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc liability is limited to the cost of sample analysis.The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. San Diego, CA

Initial report from 09/11/2013 15:48:34

LA Testing
520 Mission Street, South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com pasadenalab@latesting.com

LA Testing Order: 321315958
CustomerID: 32NIN63
CustomerPO:
ProjectID:

Attn: **Nicolas Carpenter**
Ninyo & Moore
5710 Ruffin Road

San Diego, CA 92123

Phone: (858) 576-1000
Fax: (858) 576-9600
Received: 09/09/13 9:10 AM
Collected: 9/6/2013

Project: **Del Mar City Hall-Storage 1050 Camino Del Mar Del Mar, CA**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B*/7000B)

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Lead Concentration*
LBP-001	*0001*	9/6/2013	9/10/2013	0.40 % wt
Site: E. middle wall, above door				
LBP-002	*0002*	9/6/2013	9/10/2013	0.083 % wt
Site: W. middle wall, above window				

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. The QC data associated with these results included in this report meet the method QC requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. * slight modifications to methods applied. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request.
Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283, AIHA-LAP, LLC ELLAP 102814

Initial report from 09/10/2013 11:15:44

LEAD BASED PAINT BULK SAMPLE DATA SHEET

5-day TAT

Sheet 1 of ____

Ninyo & Moore 5710 Ruffin Road San Diego, CA 92123 Tel: (858) 576-1000 Fax: (858) 576-9600	**Project Name :** Del Mar City Hall-Storage Project No.: Project Manager: NJC Site Address: 1050 Camino Del Mar Del Mar, CA	Sampled By: Sampled By: Sampled By: NJC Date Sampled: 9/6/13	**Laboratory:** LA Testing South Pasadena, CA Tel: (800) 303-0047 Fax: (323) 254-9982

CHAIN OF CUSTODY INFORMATION:

Relinquished By: (sign/print)	Company	Date	Time (24 hr.)	Received By: (sign/print)	Laboratory
Nic Carpenter	Ninyo&Moore	9/6/13		9/6/13	12:20 PM

Sample ID	Building Number	Room Number	Sample Location	Building Component	Sample Description (Color /# Layers /Substrate)	Estimated Surface Area	Condition
LBP - 001	Storage	Main 2	E. middle wall, above door	Wall	white/3/plaster	4 in^2	Poor
LBP - 002	↓	↓	W. middle wall, above window	Wall	↓	↓	↓
LBP							
LBP							
LBP							
LBP							
LBP							
LBP							
LBP							
LBP							
LBP							
LBP							
LBP							
LBP							
LBP							
LBP							

APPENDIX D

CDPH FORM 8552 - LEAD HAZARD EVALUATION REPORT

LEAD HAZARD EVALUATION REPORT

Section 1 — Date of Lead Hazard Evaluation 9/5/13

Section 2 — Type of Lead Hazard Evaluation (Check one box only)

☑ Lead Inspection ☐ Risk assessment ☐ Clearance Inspection ☐ Other (specify) _____

Section 3 — Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)]	City	County	Zip Code
1050 Camino Del Mar	Del Mar	San Diego	92014

Construction date (year) of structure	Type of structure		Children living in structure?	
1930s	☑ Multi-unit building	☐ School or daycare	☐ Yes	☑ No
	☐ Single family dwelling	☐ Other_____	☐ Don't Know	

Section 4 — Owner of Structure (if business/agency, list contact person)

Name	Telephone number
City of Del Mar, Eric Minicilli	858-704-3680

Address [number, street, apartment (if applicable)]	City	State	Zip Code
2240 Jimmy Durante Blvd.	Del Mar	CA	92014

Section 5 — Results of Lead Hazard Evaluation (check all that apply)

☑ No lead-based paint detected ☐ Intact lead-based paint detected ☐ Deteriorated lead-based paint detected

☐ No lead hazards detected ☐ Lead-contaminated dust found ☐ Lead-contaminated soil found ☐ Other_____

Section 6 — Individual Conducting Lead Hazard Evaluation

Name	Telephone number
Nicolas Carpenter	858-576-1000

Address [number, street, apartment (if applicable)]	City	State	Zip Code
5710 Ruffin Road	San Diego	CA	92123

CDPH certification number	Signature	Date
19280		9/13/2013

Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)

Section 7 — Attachments

A. A foundation diagram or sketch of the structure indicating the specifc locations of each lead hazard or presence of lead-based paint;
B. Each testing method, device, and sampling procedure used;
C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:

California Department of Public Health
Childhood Lead Poisoning Prevention Branch Reports
850 Marina Bay Parkway, Building P, Third Floor
Richmond, CA 94804-6403
Fax: (510) 620-5656

Geotechnical

and

Environmental

Sciences

Consultants

Ninyo & Moore

ASBESTOS AND LEAD-BASED PAINT SURVEY
CITY OF DEL MAR CITY HALL
1050 CAMINO DEL MAR
DEL MAR, CALIFORNIA

PREPARED FOR:
Ms. Carmen Kasner
City of Del Mar
1050 Camino Del Mar
Del Mar, California 92014-2698

PREPARED BY:
Ninyo & Moore
Geotechnical and Environmental Sciences Consultants
5710 Ruffin Road
San Diego, California 92123

November 8, 2005
Project No. 105718001

November 8, 2005
Project No. 105718001

Ms. Carmen Kasner
City of Del Mar
1050 Camino Del Mar
Del Mar, California 92014-2698

Subject: Asbestos and Lead-based Paint Survey
City of Del Mar City Hall
1050 Camino Del Mar
Del Mar, California

Dear Ms. Kasner:

In accordance with the Fully Executed Standard Agreement for Consultant Services between the City of Del Mar and Ninyo & Moore, dated September 12, 2005, Ninyo & Moore has performed an Asbestos and Lead-based Paint Survey at the above-referenced site. The attached report presents our methodology, findings, conclusions, and recommendations regarding our surveys.

We appreciate the opportunity to be of service to you on this important project. Should you have any questions regarding this report, please contact either of the undersigned at your convenience.

Sincerely,
NINYO & MOORE

J. Brendan Phelan
Project Environmental Scientist

Gerald Kwiat, C.A.C., R.E.A.
Senior Project Environmental Scientist

JBP/GLK/kmf

Distribution: (3) Addressee

TABLE OF CONTENTS

1. INTRODUCTION

In accordance with Fully Executed Standard Agreement for Consultant Services between the City of Del Mar and Ninyo & Moore, dated September 12, 2005, Ninyo & Moore has performed an Asbestos and Lead-based Paint Survey for the two, two-story office/storage buildings identified as the City of Del Mar City Hall (hereinafter referred to as subject site or site). The subject site is located at 1050 Camino Del Mar in the City of Del Mar, County of San Diego, California (Figure 1).

The surveys were performed in accordance with the above-referenced contract, in general accordance with established guidelines for the assessment of asbestos-containing materials (ACMs) and lead-based paints (LBPs), and is based upon conditions at the subject buildings at the time of the surveying/assessment activities. Our objective and scope of work are presented below.

2. OBJECTIVE AND SCOPE OF SERVICES

The objective of the asbestos and lead-based paint survey was to evaluate the subject buildings for the presence of ACMs and LBPs in anticipation of demolition and/or renovation of the subject buildings.

The scope of work performed for the asbestos and lead-based paint surveys is identified below.

- Conducted a visual reconnaissance of the readily accessible areas of the site to evaluate the possible presence of ACMs and LBPs;
- Collected 65 building material samples and submitted these samples to an independent laboratory for analysis of asbestos content;
- Prepared asbestos sample location maps showing sample locations of suspect ACMs;
- Collected 203 x-ray fluorescence (XRF) readings of potential lead-based paint;
- Plotted positive XRF reading locations on sample location maps;
- Prepared a report presenting our data and summarizing our conclusions and recommendations regarding ACMs and LBPs in the on-site buildings.

3. SITE DESCRIPTION

This survey encompassed 2, two-story office/storage buildings located at 1050 Camino Del Mar, in the city of Del Mar, county of San Diego, California (Figure 2). The following table describes the buildings assessed for this survey.

Building Descriptions

Bldg	Approx. Date of Construction	Approx. SF	Roof Construction	Foundation	Flooring Materials	Interior Framing	Ceiling Finishes	Wall Finishes
File Storage	1940's	3,600	BURM	C	C, CPT, VFT	W	ACT, P	CMU, P, S, DW
Main Office	1940's	3,800	BURM	C	C, CPT, VSF	W	ACT, P	CMU, P, S, DW

Notes:
ACT = acoustic ceiling tile
BURM = built-up roofing membrane
C = concrete
CPT = carpet
DW = drywall
P = plaster
CMU = concrete masonry unit
S = stucco
VFT = vinyl floor tile
VSF = vinyl sheet flooring
W = wood

4. PHYSICAL LIMITATIONS

Physical limitations, such as locked rooms, were encountered during survey activities. Rooms that were inaccessible at the time of the survey activities are indicated on the sample location maps with a hatch pattern. Since non-destructive sampling techniques were used, there is a possibility that additional ACMs and/or LBPs may be encountered in inaccessible areas (e.g. interstitial wall and ceiling spaces, locked rooms, etc.) during building renovation activities. For instance, untested thermal system insulation (TSI) may be present within wall and ceiling cavities, covered walkway soffits and behind plumbing and heating fixtures (e.g. sinks, boilers and radiators) in the surveyed buildings. Due to the non-destructive scope of the survey, potentially asbestos-containing fire doors were not tested. Adhesives/mastics present behind chalkboards and bulletin boards should be tested prior to demolition activities to determine if they are ACMs. Suspect materials encountered during renovation activities that have not been assessed either may be assumed to be hazardous and handled accordingly, or may be sampled and analyzed to assess whether they are hazardous.

5. SAMPLE COLLECTION

On September 9, 2005, the subject buildings at 1050 Camino Del Mar were assessed for the presence of asbestos and lead-based paint. The surveys followed Environmental Protection Agency (EPA) guidelines, or industry standards, as appropriate, within the limitations of the scope of this assessment. Survey activities are described below.

5.1. Asbestos Survey

The Ninyo & Moore asbestos survey was performed by or under the direction of a California Certified Asbestos Consultant. A preliminary visual assessment and bulk-sampling survey of suspect ACMs was performed. Representative samples of suspect ACMs were collected after identification of homogeneous sampling areas (areas in which the materials are uniform in color, texture, construction or application date, and general appearance). Each homogeneous area was observed for material type, location, condition, and friability. A total of 65 samples of materials suspected of being asbestos-containing were collected during the survey, using EPA-recommended sampling procedures. The Ninyo & Moore suspect asbestos-containing materials sampling protocol is presented in Appendix A. Building materials that were sampled and analyzed for the presence of asbestos are presented in the attached Table 1, and the locations from which bulk asbestos samples were collected are shown on Figures 2 through 3.

5.2. Paint Survey

To test surfaces for future contractor worker safety and waste characterization, a portable NITON XL 309 XRF spectrum analyzer was utilized. The testing was conducted in general accordance with accepted environmental science and engineering practices for demolition projects. The testing methodology utilized is presented in Appendix B. A total of 203 XRF readings (including calibrations) were analyzed. Surfaces that were tested for the presence of lead are presented in the attached Table 2. The XRF testing orientation (A, B, C, and D wall directions) utilized during the testing is provided on the attached Sample Location Maps (Figures 2 through 3). The locations of surfaces found to be lead-containing are indicated on Figures 2 through 3, where appropriate.

6. LABORATORY ANALYSES AND RESULTS

The following sections describe the laboratory analyses performed and results obtained for samples collected during the asbestos survey, and the XRF testing results for lead.

6.1. Asbestos Analysis

After collection, the ACM samples were transferred to Professional Service Industries (PSI) in Pittsburgh, Pennsylvania for analysis. PSI is a laboratory accredited in the National Voluntary Laboratory Accreditation Program (NVLAP) for bulk asbestos fiber analysis. Because of material layering, of the 65 samples collected, 88 separate analyses were performed. The samples were analyzed for the presence and quantification of asbestos fibers, using polarized light microscopy (PLM) with dispersion staining, in general accordance with EPA Method 600/R-93/116 July 93. The lower limit of reliable detection for asbestos using the PLM method is approximately 1% by weight. Materials containing asbestos in amounts less than 1% but greater than 0.1% are defined as containing <1% asbestos. Currently, the State of California stipulates that materials containing greater than 1% asbestos constitute an ACM and materials containing greater than 0.1% asbestos constitute asbestos containing construction material (ACCM). Materials found to be containing less than 1% or trace quantities of asbestos were "point-counted" in accordance with a subsection of EPA Method 600/R-93/116 July 93 to quantify the asbestos content within the ACCM below the PLM detection limit. Point count results are indicated with a "PT" adjacent to the analytical results. Materials in which no asbestos was detected are defined in the laboratory report as "No Asbestos Detected" in the "Asbestos Content" column. Analytical results are summarized in the attached Table 1. Copies of the laboratory analytical report and chain-of-custody records are presented in Appendix C.

6.2. XRF Analysis

Currently, the State of California and the USEPA stipulate what concentrations of lead in nonvolatile components of surface coatings or materials determine whether a material is considered to be a lead-based paint. The California Department of Health Services (DHS) stipulates that materials containing an amount equal to or in excess of one milligram per

square centimeter (1.0 mg/cm^2), or more than one-half of one percent (0.5%) by weight, constitute a lead-based paint. The U.S. Department of Housing and Urban Development (HUD) guideline for designating a painted surface as lead-containing is consistent with the DHS. Paint that is chipping or peeling, or that may be easily removed from surfaces, and has a lead content equal to or greater than 1,000 milligrams per kilogram (mg/kg), requires handling as a California Title 22 hazardous waste. In addition, under California Code of Regulations Title 8, Section 1532.1, specific worker protection measures are required in construction projects where any lead is present. LBP testing results are summarized in the attached Table 3, and a copy of DHS form 8552 "Lead Hazard Evaluation Report" is included in Appendix D.

7. FINDINGS AND OPINIONS

The findings of these surveys are based on our visual observations, and analysis of suspect building materials. The findings are presented below.

7.1. Asbestos

Based on the analytical results of bulk samples collected during Ninyo & Moore's survey, ACMs are located within the buildings at the subject site. Building materials that were sampled and tested for asbestos content can be found in the attached Table 1, including their location and analytical results.

The presence of ACMs in a building does not necessarily mean that the health of the occupants is endangered. If these materials are in good condition and have not been disturbed, exposures are expected to be negligible. However, when ACM deteriorates, is in damaged condition, or is disturbed, such as during renovation operations, asbestos fibers may be released, creating a potential health hazard for building occupants, maintenance personnel, and contractors.

7.2. Lead-Based Paint

Based on the results of XRF assays collected during the survey, painted surfaces containing concentrations of lead greater than 1.0 mg/cm^2, or 5,000 mg/kg, were identified at the subject site.

The presence of LBPs in a building does not necessarily mean that the health of the occupants is endangered. If painted surfaces are in good condition, and are not peeling or otherwise deteriorated, exposures are expected to be negligible. However, when LBP deteriorates, is in damaged condition, or is disturbed, such as during renovation operations, lead-containing dust may be released, creating a potential health hazard for building occupants, maintenance personnel, and contractors.

8. RECOMMENDATIONS

Since ACMs, LBPs, and evidence of potential moisture-impacted building materials and/or microbial growth have been identified at the subject site, the following recommendations and precautions are provided:

8.1. Asbestos

The identified ACMs should not be disturbed. Prior to renovation work that would disturb identified ACMs, a licensed asbestos abatement removal contractor should remove the ACMs. It is the contractor's responsibility to confirm ACM quantities present prior to bid submittals and initiating renovation or demolition activities at the subject buildings.

Because non-destructive sampling techniques were used, there is a possibility that additional suspect ACMs may be found during building renovations. Ninyo & Moore recommends that should additional suspect materials, not sampled or assessed in this report, be uncovered during renovation: (a) samples of suspect materials should be collected for laboratory analysis, and all activities that may impact the materials should cease until laboratory analytical results are reviewed; or (b) the materials should be assumed to be hazardous and handled as such.

8.2. Lead-Based Paint

LBPs or surfaces identified to contain lead should be handled by an appropriately licensed contractor in accordance with all federal, state, and local regulations. It is the contractor's responsibility to confirm LBP quantities present prior to bid submittals and initiating renovation or demolition activities at the subject buildings.

Because non-destructive sampling techniques were used, there is a possibility that additional suspect LBPs may be found during building renovations. Ninyo & Moore recommends that should additional suspect materials, not sampled or assessed in this report, be uncovered during renovation: (a) samples of suspect materials should be collected for laboratory analysis, and all activities that may impact the materials should cease until laboratory analytical results are reviewed; or (b) the materials should be assumed to be hazardous and handled as such.

9. LIMITATIONS

Ninyo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited sampling and chemical analysis. Further assessment of potential adverse environmental impacts may be accomplished by conducting a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the areas evaluated. However, if additional suspect building materials are encountered during renovation activities, these materials should be sampled by qualified personnel, and analyzed for content prior to further disturbance. In addition, please note that quantities of impacted building materials are approximate. It is the contractor's responsibility to confirm quantities present.

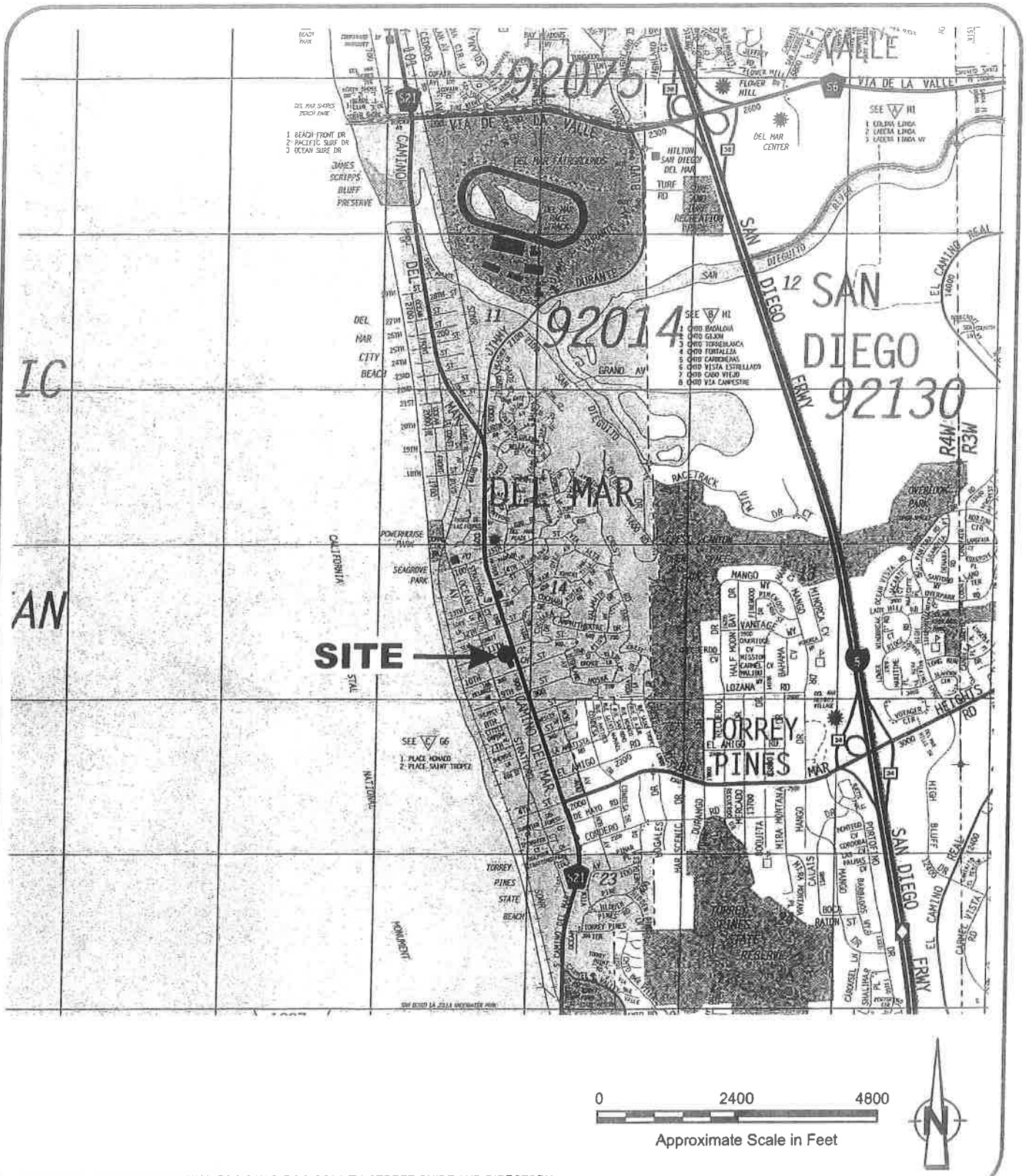
The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard of care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent

activities. Please also note that this study did not include an evaluation of geotechnical conditions or potential geologic hazards.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the subject site. The testing and analyses have been conducted by an independent laboratory that is certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

Our findings, opinions, and recommendations are based on an analysis of the observed site conditions. It should be understood that the conditions of a site can change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.



REFERENCE: 2005 THOMAS GUIDE FOR SAN DIEGO COUNTY, STREET GUIDE AND DIRECTORY.

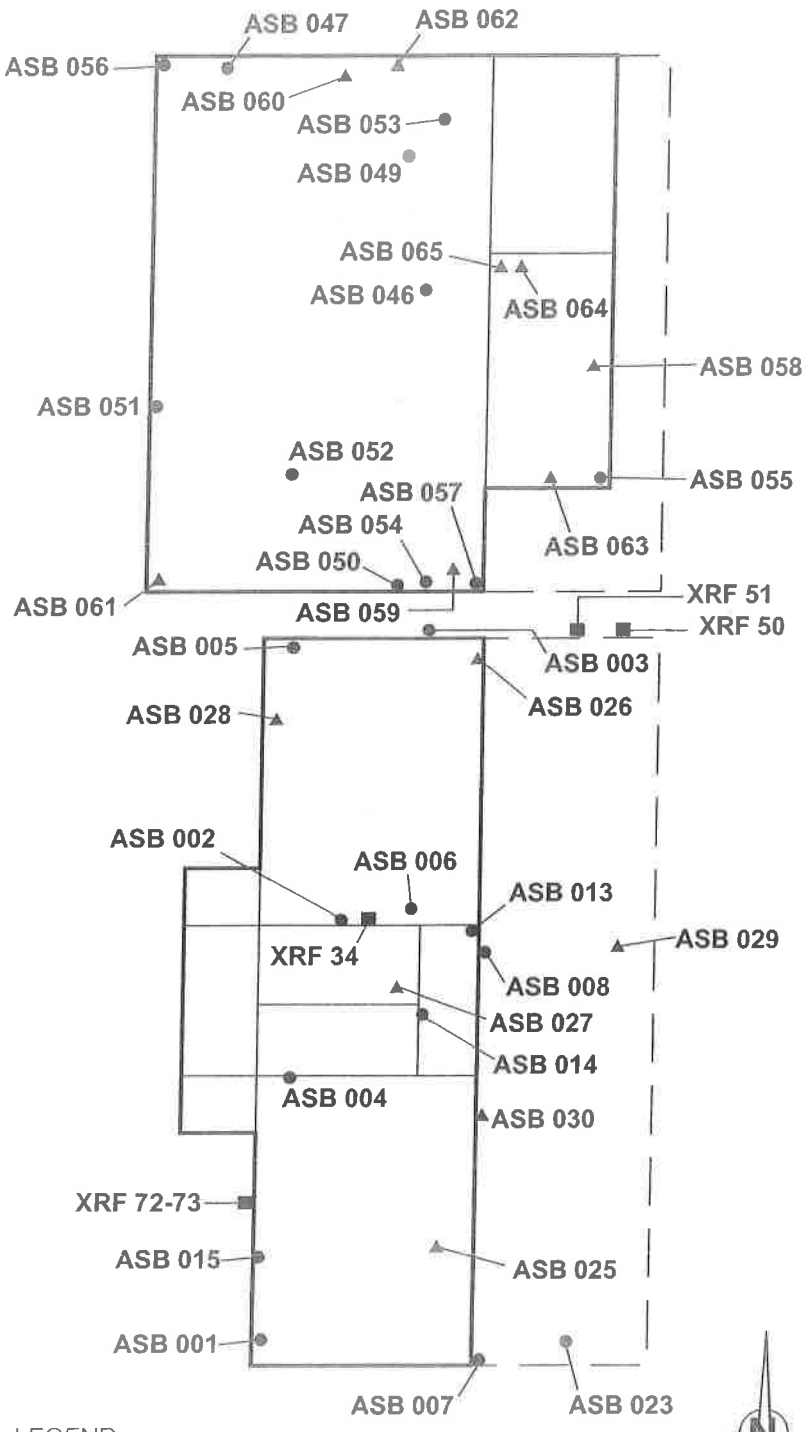
105718001 slm Fig 1

Ninyo & Moore

SITE LOCATION MAP

1050 CAMINO DEL MAR
DEL MAR, CALIFORNIA

PROJECT NO.	DATE	FIGURE
105718001	11/05	1



B
C A
D
XRF Orientation

LEGEND

- ● **ASB 057** Approximate location of asbestos sample
- ▲ **ASB 064** Approximate location of asbestos roof sample
- ■ **XRF 73** Approximate location of XRF assay in excess of 1.0 mg/cm ^{2}

N

0 20 40

Approximate Scale in Feet

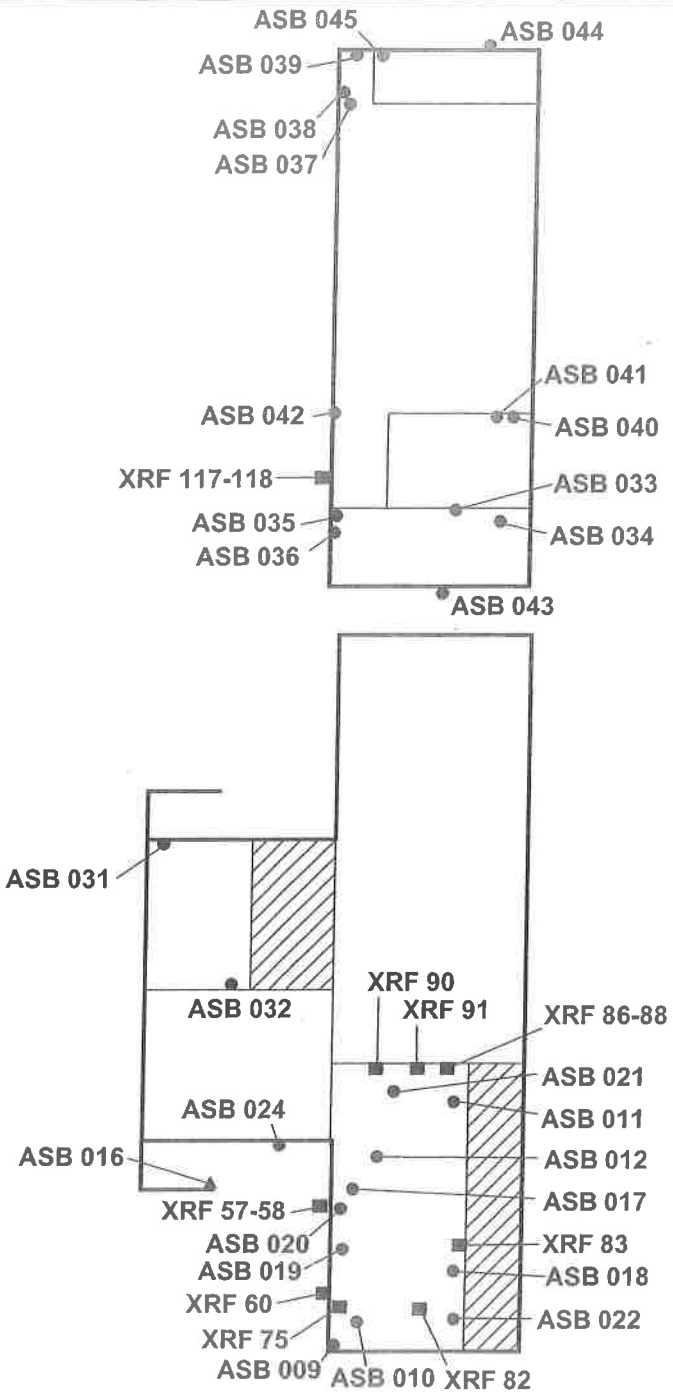
105718001 sample fig 2

Ninyo & Moore

SAMPLE LOCATION MAP-MAIN LEVEL

1050 CAMINO DEL MAR
DEL MAR, CALIFORNIA

PROJECT NO.	DATE	FIGURE
105718001	11/05	2



B
C A
D
XRF Orientation

LEGEND

- ● **ASB 045** Approximate location of asbestos sample
- ▲ **ASB 016** Approximate location of asbestos roof sample
- ■ **XRF 118** Approximate location of XRF assay in excess of 1.0 mg/cm ^{2}
- Inaccessible at time of survey

N

0 20 40

Approximate Scale in Feet

105718001 sample fig 2

Ninyo & Moore

SAMPLE LOCATION MAP-LOWER LEVEL

1050 CAMINO DEL MAR
DEL MAR, CALIFORNIA

PROJECT NO.	DATE	FIGURE
105718001	11/05	3

Table 1 - Asbestos Survey Results

Sample No.	Building	Floor	Sample Location	Sample Description	*Approx. Quantity	Friable Y/N	Condition	Asbestos Content
NM03-ASB001	File Storage	Main	Southwest corner	Gray plaster	N/A	N/A	N/A	ND
NM03-ASB002	File Storage	Main	South wall behind blackboard	Gray plaster	N/A	N/A	N/A	ND
NM03-ASB003	File Storage	Main	North wall between windows	Gray plaster	N/A	N/A	N/A	ND
NM03-ASB004	File Storage	Main	West wall, ceiling	White acoustic ceiling tile	N/A	N/A	N/A	ND
NM03-ASB005	File Storage	Main	Northwest corner by heater	White acoustic ceiling tile	N/A	N/A	N/A	ND
NM03-ASB006	File Storage	Main	Center of room, ceiling	White acoustic ceiling tile	N/A	N/A	N/A	ND
NM03-ASB007	File Storage	Main	South corner by stairs	Gray stucco	N/A	N/A	N/A	ND
NM03-ASB008	File Storage	Main	East wall next to glass door	Gray stucco	N/A	N/A	N/A	ND
NM03-ASB009	File Storage	Main	Southwest corner	Gray stucco	N/A	N/A	N/A	ND
NM03-ASB010A	File Storage	**Lower**	**Southwest floor**	**Brown 9"x9" vinyl floor tile**	**800 SF**	**N**	**Good**	**5% chrysotile**
NM03-ASB010B	File Storage	Lower	Southwest floor	Black mastic associated with NM03-ASB010A	N/A	N/A	N/A	ND
NM03-ASB011A	File Storage	**Lower**	**Northeast floor**	**Brown 9"x9" vinyl floor tile**	**See NM03-ASB010A**	N	**Good**	**5% chrysotile**
NM03-ASB011B	File Storage	Lower	Northeast floor	Black mastic associated with NM03-ASB011A	N/A	N/A	N/A	ND
NM03-ASB012A	File Storage	**Lower**	**Northwest floor**	**Brown 9"x9" vinyl floor tile**	**See NM03-ASB010A**	N	**Good**	**5% chrysotile**
NM03-ASB012B	File Storage	Lower	Northwest floor	Black mastic associated with NM03-ASB012A	N/A	N/A	N/A	ND
NM03-ASB013	File Storage	Main	East wall near hallway	Black base cove	N/A	N/A	N/A	ND
NM03-ASB013	File Storage	Main	East wall near hallway	Yellow glue associated with NM03-ASB013A	N/A	N/A	N/A	ND
NM03-ASB014A	File Storage	Main	Center wall	Black base cove	N/A	N/A	N/A	ND
NM03-ASB014B	File Storage	Main	Center wall	Yellow glue associated with NM03-ASB014A	N/A	N/A	N/A	ND
NM03-ASB015A	File Storage	Main	West wall	Black base cove	N/A	N/A	N/A	ND
NM03-ASB015B	File Storage	Main	West wall	Yellow glue associated with NM03-ASB015A	N/A	N/A	N/A	ND
NM03-ASB016	File Storage	Lower	Roof over women's restroom	Black roof core	N/A	N/A	N/A	ND
NM03-ASB017A	File Storage	Lower	North wall over door	White drywall	See NM03-ASB022B	N/A	N/A	ND
NM03-ASB017B	File Storage	**Lower**	**North wall over door**	**White joint compound**	**See NM03-ASB022B**	**Y**	**Good**	**<0.1% chrysotile (PT)**

Table 1 - Asbestos Survey Results

Sample No.	Building	Floor	Sample Location	Sample Description	*Approx. Quantity	Friable Y/N	Condition	Asbestos Content
NM03-ASB018	File Storage	Lower	Southeast wall over bookcase	White drywall	See NM03-ASB022B	N/A	N/A	ND
NM03-ASB019	File Storage	Lower	West wall between window	White plaster	N/A	N/A	N/A	<0.1% chrysotile (PT)
NM03-ASB020	File Storage	Lower	Entry door, ceiling	White drywall	See NM03-ASB022B	N/A	N/A	ND
NM03-ASB021A	File Storage	Lower	North ceiling	White drywall	See NM03-ASB022B	N/A	N/A	ND
NM03-ASB021B	File Storage	**Lower**	**North ceiling**	**White joint compound**	**See NM03-ASB022B**	Y	**Good**	**<0.1% chrysotile (PT)**
NM03-ASB022A	File Storage	Lower	Southeast ceiling	White drywall	See NM03-ASB022B	N/A	N/A	ND
NM03-ASB022B	File Storage	**Lower**	**Southeast ceiling**	**White joint compound**	**1,100 SF**	Y	**Good**	**0.1% chrysotile (PT)**
NM03-ASB023A	File Storage	Main	Southeast brick column	Green skim coat	N/A	N/A	N/A	ND
NM03-ASB023B	File Storage	Main	Southeast brick column	Gray base coat	N/A	N/A	N/A	ND
NM03-ASB024A	File Storage	Lower	Exterior west wall, womens restroom	White skim coat	N/A	N/A	N/A	ND
NM03-ASB024B	File Storage	Lower	Exterior west wall, womens restroom	Gray base coat	N/A	N/A	N/A	ND
NM03-ASB025	File Storage	Roof	Roof, southwest	Black roof core	N/A	N/A	N/A	ND
NM03-ASB026	File Storage	Roof	Roof, northeast	Black roof core	N/A	N/A	N/A	ND
NM03-ASB027	File Storage	Roof	Roof, center, roof vent	Black mastic	N/A	N/A	N/A	ND
NM03-ASB028	File Storage	Roof	Roof, northwest parapit wall	Black mastic	N/A	N/A	N/A	ND
NM03-ASB029	File Storage	Roof	Roof, east center	Black roof core	N/A	N/A	N/A	ND
NM03-ASB030	File Storage	**Roof**	**Roof, west wall center**	**Black mastic**	**150 SF**	N	**Good**	**7% chrysotile**
NM03-ASB031A	File Storage	Lower	Men's restroom, west wall, entry	Tan drywall	N/A	N/A	N/A	ND
NM03-ASB031B	File Storage	Lower	Men's restroom, west wall, entry	White joint compound	N/A	N/A	N/A	ND
NM03-ASB032A	File Storage	Lower	Men's restroom, south wall, toilet	Tan drywall	N/A	N/A	N/A	ND
NM03-ASB032B	File Storage	Lower	Men's restroom, south wall, toilet	White joint compound	N/A	N/A	N/A	ND
NM03-ASB033	Main	Lower	Floor next to copier	Tan base cove	N/A	N/A	N/A	ND
NM03-ASB034	Main	Lower	Breakroom, northeast corner	White ceiling tile	N/A	N/A	N/A	ND
NM03-ASB035A	Main	Lower	Breakroom behind entry door	Gray sheet vinyl floor - layer 1	N/A	N/A	N/A	ND
NM03-ASB035B	Main	Lower	Breakroom behind entry door	Gray sheet vinyl floor - layer 2	N/A	N/A	N/A	ND
NM03-ASB036A	Main	Lower	Breakroom behind entry door	Tan drywall	N/A	N/A	N/A	ND
NM03-ASB036B	Main	Lower	Breakroom behind entry door	White joint compound	N/A	N/A	N/A	ND

Table 1 - Asbestos Survey Results

Sample No.	Building	Floor	Sample Location	Sample Description	*Approx. Quantity	Friable Y/N	Condition	Asbestos Content
NM03-ASB037	Main	Lower	Entry, finance dept., north wall	White ceiling tile	N/A	N/A	N/A	ND
NM03-ASB038A	Main	Lower	Entry, finance dept., door jamb	Tan base cove	N/A	N/A	N/A	ND
NM03-ASB038B	Main	Lower	Entry, finance dept., door jamb	Yellow glue associated with NM03-ASB038A	N/A	N/A	N/A	ND
NM03-ASB039A	Main	Lower	Entry, finance dept., north wall	White drywall	N/A	N/A	N/A	ND
NM03-ASB039B	Main	Lower	Entry, finance dept., north wall	White joint compound	N/A	N/A	N/A	ND
NM03-ASB040	Main	Lower	East wall, ceiling, middle	White ceiling tile	N/A	N/A	N/A	ND
NM03-ASB041A	Main	Lower	Northeast wall, center	Tan base cove	N/A	N/A	N/A	ND
NM03-ASB041B	Main	Lower	Northeast wall, center	Brown mastic associated with NM03-ASB041A	N/A	N/A	N/A	ND
NM03-ASB042	Main	Lower	West wall, center above window	Gray stucco	N/A	N/A	N/A	ND
NM03-ASB043	Main	Lower	South wall, center by stairs	Gray stucco	N/A	N/A	N/A	ND
NM03-ASB044	Main	Lower	North wall, center by electric	Gray stucco	N/A	N/A	N/A	ND
NM03-ASB045A	Main	Main	Northwest wall, computer room	White acoustic ceiling tile	N/A	N/A	N/A	ND
NM03-ASB045B	Main	Main	Northwest wall, computer room	Brown mastic associated with NM03-ASB045A	N/A	N/A	N/A	ND
NM03-ASB046	Main	Main	Center	White acoustic ceiling tile	N/A	N/A	N/A	ND
NM03-ASB047	Main	Main	Northwest corner	White acoustic ceiling tile	N/A	N/A	N/A	ND
NM03-ASB048	*Sample not collected*							
NM03-ASB049	Main	Main	File storage room, west wall	Tan base cove	N/A	N/A	N/A	ND
NM03-ASB050	Main	Main	South, exterior wall	Tan base cove	N/A	N/A	N/A	ND
NM03-ASB051	Main	Main	West wall under draft tables	Tan base cove	N/A	N/A	N/A	ND
NM03-ASB052A	Main	Main	Interior partition wall, break room	White drywall	N/A	N/A	N/A	ND
NM03-ASB052B	Main	Main	Interior partition wall, break room	White joint compound	N/A	N/A	N/A	ND
NM03-ASB053A	Main	Main	Partition wall, file room	White drywall	N/A	N/A	N/A	ND
NM03-ASB053B	Main	Main	Partition wall, file room	White joint compound	N/A	N/A	N/A	ND
NM03-ASB054A	Main	Main	Southeast wall over bookcase	White drywall	N/A	N/A	N/A	ND
NM03-ASB054B	Main	Main	Southeast wall over bookcase	White joint compound	N/A	N/A	N/A	ND
NM03-ASB055	Main	Main	Lobby, southeast corner	Yellow carpet mastic	N/A	N/A	N/A	ND
NM03-ASB056	Main	Main	Main room, northwest corner	Yellow carpet mastic	N/A	N/A	N/A	ND
NM03-ASB057A	Main	Main	Main room, southeast corner	Orange carpet mastic	N/A	N/A	N/A	ND
NM03-ASB057B	**Main**	**Main**	**Main room, southeast corner**	**Black carpet mastic**	**2,000 SF**	**N**	**Good**	**4% chrysotile**
NM03-ASB058	Main	Roof	Low roof, front	Black roof core	N/A	N/A	N/A	ND
NM03-ASB059	Main	Roof	Main roof, southwest corner	Black roof core	N/A	N/A	N/A	ND

Table 1 - Asbestos Survey Results

Sample No.	Building	Floor	Sample Location	Sample Description	*Approx. Quantity	Friable Y/N	Condition	Asbestos Content
NM03-ASB060	Main	Roof	Main roof, north end	Black roof core	N/A	N/A	N/A	ND
NM03-ASB061	Main	Roof	Main roof, north center at vent	Black roof mastic	N/A	N/A	N/A	ND
NM03-ASB062	Main	Roof	Main roof, southwest corner at pipe	Black roof mastic	N/A	N/A	N/A	ND
NM03-ASB063	Main	Roof	East roof, south at column	Black roof mastic	N/A	N/A	N/A	ND
NM03-ASB064	Main	Roof	East roof, HVAC ducts	Gray HVAC duct tape	N/A	N/A	N/A	ND
NM03-ASB065	Main	Roof	East roof, HVAC ducts	Gray HVAC duct sealant	N/A	N/A	N/A	ND

NOTES:

ND = None detected

N/A = Not applicable

(PT) = Point count results

* = Material quantities are approximate. It is the contractor's responsibility to confirm material quantities prior to removal.

Samples analyzed by asbestos analysis of bulk materials via USEPA 600/R-93/116 method using polarized light microscopy.

Table 2 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision ($+/- mg/cm^2$)
1	--	--	Shutter Calibration						0.0	...	--	NA	--
2	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.11	0.11
3	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.12	0.08
4	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.07	0.07
File Storage Building													
5	Main	A	South room	Wall	Wall	Plaster	Intact	White	5.5	NEG	--	0.37	0.30
6	Main	A	South room	Door	Door	Wood	Intact	White	6.5	NEG	--	0.03	0.08
7	Main	A	South room	Door	Casing	Wood	Intact	White	4.1	NEG	--	0.17	0.34
8	Main	A	South room	Door	Jamb	Wood	Intact	White	1.0	NEG	--	0.00	0.09
9	Main	A	South room	Door	Sash	Wood	Intact	White	1.0	NEG	--	0.00	0.09
10	Main	A	South room	Door	Casing	Wood	Intact	White	1.4	NEG	--	0.01	0.12
11	Main	C	South room	Wall	Wall	Plaster	Intact	White	2.0	NEG	--	0.00	0.07
12	Main	C	South room	Window	Sash	Wood	Intact	White	2.6	NEG	--	0.07	0.27
13	Main	C	South room	Window	Casing	Wood	Intact	White	2.3	NEG	--	0.11	0.21
14	Main	C	South room	Window	Trough	Wood	Intact	White	1.3	NEG	--	0.06	0.10
15	Main	C	South room	Window	Apron	Wood	Intact	White	1.0	NEG	--	0.00	0.05
16	Main	C	South room	Wall	Crown mold	Wood	Intact	White	1.0	NEG	--	0.01	0.01
17	Main	D	South room	Door	Casing	Wood	Intact	White	4.8	NEG	--	0.21	0.34
18	Main	D	South room	Door	Jamb	Wood	Intact	White	4.1	NEG	--	0.21	0.35
19	Main	A	North room	Wall	Wall	Plaster	Poor	Light green	4.2	NEG	--	0.27	0.23
20	Main	A	North room	Door	Door	Wood	Intact	Light green	1.0	NEG	--	0.00	0.09
21	Main	A	North room	Door	Door	Wood	Fair	Pink	1.5	NEG	--	0.09	0.12
22	Main	A	North room	Door	Casing	Wood	Fair	Pink	1.4	NEG	--	0.10	0.12
23	Main	A	North room	Door	Jamb	Wood	Fair	Pink	3.6	NEG	--	0.32	0.28
24	Main	A	North room	Wall	Crown mold	Wood	Intact	Light green	1.0	NEG	--	0.02	0.02
25	Main	B	North room	Chalkboard	Upper trim	Wood	Intact	Pink	2.5	NEG	--	0.09	0.23
26	Main	B	North room	Chalkboard	Tray	Wood	Intact	Pink	1.7	NEG	--	0.15	0.16
27	Main	B	North room	Door	Door	Wood	Intact	Pink	2.0	NEG	--	0.15	0.19
28	Main	B	North room	Door	Casing	Wood	Intact	Pink	2.4	NEG	--	0.18	0.24

Table 2 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
29	Main	B	North room	Door	Jamb	Wood	Intact	Pink	1.7	NEG	--	0.11	0.15
30	Main	D	North room	Window	Sash	Wood	Intact	Pink	1.9	NEG	--	0.16	0.18
31	Main	D	North room	Window	Casing	Wood	Intact	Pink	2.7	NEG	--	0.21	0.28
32	Main	D	North room	Window	Trough	Wood	Intact	Pink	2.7	NEG	--	0.16	0.26
33	Main	D	North room	Window	Apron	Wood	Intact	Pink	3.5	NEG	--	0.25	0.30
34	Main	D	North room	Corkboard	Corkboard	Cork	Intact	Light green	2.9	POS	150 LF	2.23	0.98
35	Main	D	North room	Corkboard	Trim	Wood	Intact	Light green	1.0	NEG	--	0.01	0.08
36	Main	--	North room	Ceiling	Ceiling tile	Acoustic	Intact	White	1.3	NEG	--	0.01	0.18
37	Main	--	North room	Ceiling	I-beam	Metal	Intact	White	2.1	NEG	--	0.26	0.22
38	Main	--	North room	Ceiling	Support	Metal	Intact	White	2.3	NEG	--	0.35	0.26
39	Main	--	North room	Ceiling	Diagonal support	Metal	Intact	White	2.3	NEG	--	0.31	0.21
40	Main	--	North room	Ceiling	Ceiling	Plaster	Intact	White	2.3	NEG	--	0.33	0.26
41	Main	C	North room	Wall	Baseboard	Wood	Intact	Pink	3.3	NEG	--	0.60	0.24
42	Main	D	North room	Wall	Wall	Wood	Intact	White	1.0	NEG	--	0.00	0.06
43	Main	A	Exterior	Wall	Wall	Stucco	Intact	Blue/gray	2.5	NEG	--	0.02	0.19
44	Main	A	Exterior	Overhang	Ceiling	Stucco	Intact	Blue/gray	1.0	NEG	--	0.00	0.09
45	Main	A	Exterior	Overhang	Beam	Wood	Intact	Blue	1.3	NEG	--	0.03	0.10
46	Main	A	Exterior	Overhang	Trim	Wood	Intact	Blue	2.7	NEG	--	0.08	0.26
47	Main	A	Exterior	Door	Door	Wood	Intact	Blue	1.0	NEG	--	0.00	0.07
48	Main	A	Exterior	Door	Casing	Wood	Intact	Blue	1.0	NEG	--	0.00	0.10
49	Main	A	Exterior	Door	Door	Wood	Intact	Blue/gray	2.1	NEG	--	0.02	0.16
50	Main	A	Exterior	Stairs	Tread	Concrete	Intact	Yellow	1.0	POS	350 LF	0.95	0.06
51	Main	A	Exterior	Stairs	Tread	Concrete	Intact	Yellow	1.0	POS	See Reading No. 50	0.98	0.09
52	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.09	0.07
53	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.13	0.12
54	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.11	0.12
55	Lower	C	Exterior	Wall	Wall	Stucco	Intact	Blue/gray	2.8	NEG	--	0.01	0.09

Table 2 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
56	Lower	C	Exterior	Door	Door	Wood	Intact	Blue	1.0	NEG	--	0.01	0.11
57	Lower	C	Exterior	Door	Casing	Wood	Intact	Blue/gray	8.4	POS	15 LF	6.75	2.33
58	Lower	C	Exterior	Door	Jamb	Wood	Intact	Blue/gray	10.0	POS	15 LF	2.54	0.95
59	Lower	C	Exterior	Window	Sash	Metal	Intact	Blue	1.0	NEG	--	0.00	0.10
60	Lower	C	Exterior	Window	Casing	Metal	Intact	Blue	7.9	POS	40 LF	11.89	2.90
61	Lower	C	Exterior	Wall	Wall	Stucco	Intact	Blue/gray	4.0	NEG	--	0.03	0.14
62	Lower	C	Exterior	Bath canopy	Wall	Wood	Intact	Blue	1.0	NEG	--	0.00	0.08
63	Lower	C	Exterior	Bath canopy	Post	Wood	Intact	Blue	2.4	NEG	--	0.01	0.14
64	Lower	C	Exterior	Bath canopy	Ceiling	Wood	Intact	Blue	4.5	NEG	--	0.08	0.28
65	Lower	C	Exterior	Door	Door	Wood	Intact	Blue	1.7	NEG	--	0.13	0.16
66	Lower	C	Exterior	Door	Casing	Wood	Intact	Light green	1.0	NEG	--	0.04	0.05
67	Lower	C	Exterior	Door	Jamb	Wood	Intact	Light green	1.0	NEG	--	0.03	0.07
68	Lower	C	Exterior	Bathroom	Door	Wood	Intact	Blue	1.0	NEG	--	0.00	0.08
69	Lower	C	Exterior	Door	Casing	Wood	Intact	Blue	1.0	NEG	--	0.00	0.09
70	Lower	C	Exterior	Door	Jamb	Wood	Intact	White	1.0	NEG	--	0.00	0.05
71	--	--	Shutter Calibration						0.0	...	--	NA	--
72	Main	C	Exterior	Window	Sash	Wood	Intact	Blue	1.9	POS	200 LF	1.98	0.46
73	Main	C	Exterior	Window	Casing	Wood	Intact	Blue	6.2	POS	200 LF	4.91	1.87
74	Lower	C	Storage	Wall	Wall	Plaster	Intact	White	4.5	NEG	--	0.06	0.23
75	Lower	C	Storage	Window	Casing	Wood	Intact	White	5.0	POS	40 LF	4.27	1.59
76	Lower	C	Storage	Window	Trough	Wood	Fair	White	1.5	NEG	--	0.09	0.12
77	Lower	C	Storage	Window	Apron	Wood	Intact	White	1.8	NEG	--	0.14	0.16
78	Lower	B	Storage	Cabinet	Wall	Wood	Intact	Orange	1.6	NEG	--	0.13	0.14
79	Lower	B	Storage	Cabinet	Wall	Wood	Intact	Green	1.0	NEG	--	0.07	0.03
80	Lower	B	Storage	Wall	Wall	Concrete	Intact	Green	1.8	NEG	--	0.01	0.18
81	Lower	--	Storage	Ceiling	Ceiling	Drywall	Intact	White	1.0	NEG	--	0.00	0.01
82	Lower	--	Storage	Ceiling	Beam	Wood	Intact	Pink	2.9	POS	40 LF	1.81	0.70
83	Lower	A	Storage	Wall	Wall	Corkboard	Intact	White	2.8	POS	200 SF	0.96	0.16
84	Lower	A	Storage	Wall	Wall	Wood	Intact	White	1.0	NEG	--	0.00	0.10
85	Lower	A	Storage	Door	Crown mold	Wood	Intact	White	1.0	NEG	--	0.00	0.10

Table 2 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
86	Lower	B	Storage	Door	Door	Wood	Intact	Pink	2.9	POS	1 EA	2.04	0.70
87	Lower	B	Storage	Door	Casing	Wood	Intact	Pink	1.7	NEG	--	0.82	0.13
88	Lower	B	Storage	Door	Jamb	Wood	Intact	Pink	3.1	POS	15 LF	0.99	0.18
89	Lower	B	Storage	Door	Casing	Wood	Intact	Pink	4.0	POS	15 LF	1.70	0.67
90	Lower	B	Storage	Chalkboard	Trim	Wood	Intact	Pink	2.0	POS	25 LF	1.86	0.40
91	Lower	B	Storage	Chalkboard	Ledge	Wood	Intact	Pink	2.5	POS	10 LF	1.77	0.37
92	Lower	B	Storage	Wall	Baseboard	Wood	Intact	Pink	1.9	NEG	--	0.04	0.11
93	Lower	C	Men's restroom	Wall	Wall	Plaster	Intact	White	2.5	NEG	--	0.01	0.13
94	Lower	C	Men's restroom	Wall	Wall	Ceramic tile	Intact	White	5.3	NEG	--	0.08	0.28
95	Lower	--	Men's restroom	Floor	Floor	Ceramic tile	Intact	White	10.0	NEG	--	0.09	0.47
96	Lower	--	Men's restroom	Ceiling	Ceiling	Plaster	Intact	White	1.0	NEG	--	0.00	0.01
97	Lower	D	Men's restroom	Wall	Wall	Plaster	Intact	White	1.0	NEG	--	0.00	0.06
98	Lower	D	Men's restroom	Wall	Baseboard	Ceramic tile	Intact	White	10.0	NEG	--	0.10	0.23
99	Lower	D	Men's restroom	Door	Door	Wood	Intact	White	1.0	NEG	--	0.00	0.08
100	Lower	D	Men's restroom	Door	Casing	Wood	Intact	White	1.2	NEG	--	0.01	0.13
101	Lower	D	Men's restroom	Door	Jamb	Wood	Intact	White	6.3	NEG	--	0.03	0.09
102	Lower	D	Men's restroom	Sink	Sink	Porcelain	Intact	White	1.0	NEG	--	0.00	0.01
103	Lower	C	Men's restroom	Urinal	Urinal	Porcelain	Intact	White	1.8	NEG	--	0.01	0.17
104	Lower	B	Men's restroom	Toilet	Toilet	Porcelain	Intact	White	5.7	NEG	--	0.07	0.20
105	Lower	A	Men's restroom	Lockers	Lockers	Metal	Intact	Green	1.0	NEG	--	0.01	0.04
106	Lower	B	Men's restroom	Stall	Door	Metal	Intact	Blue/gray	1.0	NEG	--	0.00	0.05
107	Lower	B	Men's restroom	Stall	Wall	Metal	Intact	Blue/gray	1.0	NEG	--	0.00	0.04
Main Building													
108	Lower	B	South room	Wall	Wall	Concrete	Intact	White	1.9	NEG	--	0.03	0.13
109	Lower	D	South room	Wall	Wall	Wood	Intact	White	1.0	NEG	--	0.00	0.09
110	Lower	D	South room	Door	Door	Wood	Intact	Tan	1.0	NEG	--	0.00	0.10
111	Lower	D	South room	Door	Casing	Wood	Intact	Tan	1.0	NEG	--	0.00	0.07
112	Lower	D	South room	Door	Jamb	Wood	Intact	Tan	1.0	NEG	--	0.00	0.11
113	Lower	A	South room	Wall	Crown mold	Wood	Intact	White	3.4	NEG	--	0.10	0.26
114	Lower	D	South room	Cabinet	Wall	Wood	Intact	White	1.0	NEG	--	0.00	0.07
115	Lower	D	South room	Cabinet	Shelf	Wood	Intact	White	1.0	NEG	--	0.00	0.09
116	Lower	C	Finance	Door	Door	Wood	Intact	Blue	1.0	NEG	--	0.00	0.08

Table 2 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
117	Lower	C	Finance	Door	Casing	Wood	Intact	Blue	2.2	POS	50 LF	1.03	0.15
118	Lower	C	Finance	Door	Jamb	Wood	Intact	Blue	3.6	POS	50 LF	0.99	0.19
119	Lower	C	Finance	Window	Sash	Metal	Intact	Blue	1.1	NEG	--	0.17	0.11
120	Lower	C	Finance	Window	Casing	Wood	Intact	Blue	2.0	NEG	--	0.15	0.18
121	Lower	C	Finance	Window	Trough	Wood	Intact	Blue	4.2	NEG	--	0.22	0.35
122	Lower	C	Finance	Window	Apron	Wood	Intact	White	1.0	NEG	--	0.04	0.06
123	Lower	A	Finance	Wall	Wall	Drywall	Intact	Tan	1.3	NEG	--	0.00	0.08
124	Lower	A	Finance	Door	Door	Wood	Intact	White	1.0	NEG	--	0.00	0.09
125	Lower	A	Finance	Door	Casing	Wood	Intact	White	1.0	NEG	--	0.00	0.06
126	Lower	A	Finance	Door	Jamb	Wood	Intact	White	1.0	NEG	--	0.00	0.06
127	Lower	A	Finance	Wall	Wall	Wood	Intact	White	2.8	NEG	--	0.01	0.13
128	Lower	A	Finance	Wall	Crown mold	Wood	Intact	White	1.9	NEG	--	0.03	0.12
129	Lower	D	Finance	Wall	Wall	Drywall	Intact	Tan	1.0	NEG	--	0.00	0.10
130	Lower	D	Finance	Partition	Cap	Wood	Intact	Turquoise	1.0	NEG	--	0.00	0.11
131	Lower	--	Finance	Ceiling	Ceiling beam	Wood	Intact	White	1.0	NEG	--	0.00	0.11
132	Lower	C	Exterior	Window	Sash	Metal	Intact	Blue	2.2	NEG	--	0.24	0.22
133	Lower	C	Exterior	Window	Casing	Wood	Intact	Blue	4.4	NEG	--	0.49	0.27
134	Lower	C	Exterior	Window	Sill	Wood	Intact	Blue	1.1	NEG	--	0.05	0.08
135	Lower	C	Exterior	Canopy	Column	Wood	Intact	Blue	2.8	NEG	--	0.01	0.11
136	Lower	C	Exterior	Canopy	Beam	Wood	Intact	Blue	1.0	NEG	--	0.00	0.07
137	Lower	C	Exterior	Canopy	Slat	Wood	Intact	Blue	1.0	NEG	--	0.00	0.11
138	Lower	C	Exterior	Wall	Wall	Stucco	Intact	Blue/gray	2.8	NEG	--	0.04	0.24
139	Lower	D	Exterior	Wall	Wall	Stucco	Intact	Blue/gray	1.9	NEG	--	0.01	0.13
140	Lower	D	Exterior	Shed	Wall	Wood	Intact	Blue/gray	1.0	NEG	--	0.00	0.06
141	Lower	D	Exterior	Shed	Door	Wood	Intact	White	1.0	NEG	--	0.00	0.04
142	Lower	D	Exterior	Shed	Door casing	Wood	Intact	Blue/gray	1.0	NEG	--	0.00	0.05
143	Lower	D	Exterior	Stair	Tread	Wood	Intact	Blue	2.1	NEG	--	0.02	0.19
144	Lower	D	Exterior	Stair	Stringer	Wood	Intact	Blue	1.0	NEG	--	0.00	0.08
145	Lower	D	Exterior	Stair	Baluster	Wood	Intact	Blue	1.0	NEG	--	0.00	0.05
146	Lower	D	Exterior	Stair	Rail cap	Wood	Intact	Blue	1.0	NEG	--	0.00	0.08
147	Main	A	Exterior	Wall	Wall	Stucco	Intact	Blue/gray	3.2	NEG	--	0.02	0.14
148	Main	A	Exterior	Door	Door	Wood	Intact	Blue	3.2	NEG	--	0.02	0.15

Table 2 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
149	Main	A	Exterior	Door	Casing	Wood	Intact	Blue	1.0	NEG	--	0.00	0.10
150	Main	A	Exterior	Door	Jamb	Wood	Intact	Blue	1.0	NEG	--	0.01	0.03
151	Main	A	Exterior	Window	Casing	Wood	Intact	Blue	1.0	NEG	--	0.00	0.08
152	Main	A	Exterior	Bulletin board	Door	Wood	Intact	Blue	1.0	NEG	--	0.00	0.07
153	Main	A	Exterior	Bulletin board	Case	Wood	Intact	Blue	4.1	NEG	--	0.02	0.09
154	Main	A	Exterior	Overhang	Ceiling	Stucco	Intact	Blue/gray	1.0	NEG	--	0.00	0.02
155	Main	A	Exterior	Overhang	Trim	Wood	Intact	Blue	1.0	NEG	--	0.03	0.07
156	Main	A	Lobby	Wall	Wall	Brick	Intact	White	1.8	NEG	--	0.01	0.09
157	Main	C	Lobby	Wall	Wall	Drywall	Intact	White	1.0	NEG	--	-0.93	1.10
158	Main	--	Lobby	Ceiling	Ceiling	Stucco	Intact	White	1.0	NEG	--	0.00	0.09
159	Main	--	Lobby	Floor	Floor	Brick	Intact	Brown	3.0	NEG	--	0.03	0.18
160	Main	C	Lobby	Wall	Baseboard	Brick	Intact	Brown	4.8	NEG	--	0.03	0.12
161	Main	D	Conference	Window	Sash	Metal	Intact	Pink	1.3	NEG	--	0.15	0.12
162	Main	D	Conference	Window	Casing	Wood	Intact	Pink	2.5	NEG	--	0.23	0.25
163	Main	D	Conference	Window	Trough	Wood	Intact	Pink	2.7	NEG	--	0.35	0.32
164	Main	C	Conference	Door	Door	Wood	Intact	Tan	1.0	NEG	--	0.00	0.11
165	Main	C	Conference	Door	Casing	Wood	Intact	Tan	2.2	NEG	--	0.01	0.13
166	Main	C	Conference	Door	Jamb	Wood	Intact	Tan	1.0	NEG	--	0.00	0.06
167	Main	C	Conference	Wall	Wall	Plaster	Intact	White	2.2	NEG	--	0.01	0.12
168	Main	A	Main	Wall	Wall	Plaster	Intact	White	5.2	NEG	--	0.03	0.12
169	Main	A	Main	Door	Door	Wood	Intact	Blue	3.1	NEG	--	0.55	0.29
170	Main	A	Main	Door	Jamb	Wood	Intact	Blue	1.8	NEG	--	0.74	0.16
171	Main	A	Main	Door	Casing	Wood	Intact	Blue	2.2	NEG	--	0.65	0.18
172	Main	A	Main	Window	Sash	Metal	Intact	Blue	1.0	NEG	--	0.05	0.03
173	Main	A	Main	Window	Casing	Wood	Intact	Blue	2.2	NEG	--	0.24	0.23
174	Main	A	Main	Window	Trough	Wood	Intact	Blue	1.3	NEG	--	0.11	0.11
175	Main	B	Main	Wall	Wall	Plaster	Intact	White	1.0	NEG	--	0.00	0.10
176	Main	B	Main	Partition	Wall	Drywall	Intact	White	1.0	NEG	--	0.00	0.06
177	Main	B	Main	Partition	Door	Wood	Intact	Pink	1.1	NEG	--	0.00	0.10
178	Main	B	Main	Partition	Door casing	Wood	Intact	Pink	1.0	NEG	--	0.00	0.06
179	Main	B	Main	Partition	Door jamb	Wood	Intact	Pink	1.0	NEG	--	0.00	0.06
180	Main	B	Main	Partition	Cap	Wood	Intact	Blue	2.8	NEG	--	0.02	0.15

Table 2 - XRF Data Sheet

Reading No.	Floor	Side	Room/ Area	Source	Component	Substrate	Condition	Color	Depth Index	Results (Pos/Neg)	Approx. Quantity	Lead Reading (mg/cm^2)	Precision (+/- mg/cm^2)
181	Main	C	Main	Window	Sash	Metal	Intact	White	1.8	NEG	--	0.20	0.17
182	Main	C	Main	Window	Casing	Wood	Intact	White	2.3	NEG	--	0.23	0.24
183	Main	C	Main	Window	Trough	Wood	Intact	White	2.0	NEG	--	0.41	0.22
184	Main	C	Exterior	Window	Sash	Metal	Intact	Blue	1.0	NEG	--	0.03	0.05
185	Main	C	Exterior	Window	Casing	Wood	Intact	Blue	3.8	NEG	--	0.03	0.16
186	Main	--	Main	Ceiling	Beam	Wood	Intact	Pink	1.9	NEG	--	0.25	0.17
187	Main	--	Main	Skylight	Trim	Wood	Intact	White	1.0	NEG	--	0.00	0.01
188	Main	--	Main	Ceiling	Ceiling tile	Acoustic	Intact	White	4.9	NEG	--	0.04	0.15
201	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.1	POS	--	1.18	0.13
202	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.10	0.11
203	--	--	Standard Calibration 1.06 +/- 0.06 mg/cm^2						1.0	POS	--	1.08	0.07

Notes

POS = Positive

NEG = Negative

mg/cm^2 = milligrams per square centimeter

APPENDIX A

SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLING PROTOCOL

SUSPECT ASBESTOS-CONTAINING MATERIALS
SAMPLING PROTOCOL

Personal Protection Equipment

Inhalation of asbestos fibers during asbestos survey may pose a serious health hazard, the use of personal protection equipment (PPE) by building inspectors is suggested during the sampling process. Inspectors should wear a respirator with either a full- or half-face mask-type respirator and high-efficiency disposable filter cartridges. Full-face masks will also prevent eye irritation from dust, fibers, and debris released during the sampling operation. Disposable clothing should be worn during sampling, if necessary. Inspectors should utilize plastic bags to handle the disposal of drop cloths, protective clothing, wet cloths, and debris.

Sampling Equipment

Inspectors will need various tools and aids to accomplish their sampling tasks, including those listed below:

- a ladder and flashlight to access areas and to aid visibility,
- airtight, sampling containers (e.g., resealable plastic bags),
- a plastic spray mister bottle with water to spray the area to be sampled,
- plastic drop cloths to spread beneath the area to be sampled,
- a knife, linoleum cutter, screwdriver, or other tool appropriate for collecting samples,
- a caulking gun and compound for filling holes once a sample has been extracted,
- spray acrylic or adhesive to encapsulate sample extractions,
- duct tape for repairing thermal system insulation jackets,
- cloths and cleaner for decontaminating tools,
- a vacuum cleaner equipped with high efficiency particulate air (HEPA) filters, if available,
- indelible ink pen for labeling sample containers, and
- camera for photographic documentation.

Sampling Procedures

ACMs are divided into three categories: surfacing materials, thermal system insulation (TSI), and miscellaneous materials. The procedures for sampling these three types of materials are as follows:

Surfacing Materials

1. Spread a plastic drop cloth on the floor and set up other equipment, (e.g., ladder).
2. Put on protective equipment (respirator at all times when sampling friable material and protective clothing, if needed).
3. Label container with its sample identification number and fill out location and type of material sampled on a sampling data form.
4. Mark the location and sample identification number on the sample container and on the sample location map.
5. Moisten area where sample is to be collected (spray the immediate area with water).
6. Collect sample using a clean knife or other tool appropriate to cut out or scrape off a small piece of the material. Be sure to penetrate all layers of material. Be careful not to disturb adjacent material.
7. Place sample in a container and tightly seal it.
8. Wipe the exterior of the container with a wet wipe to remove any residue which may have adhered to the container it during sampling.
9. Clean tools with wet wipes and wet mop or vacuum area with a HEPA vacuum to clean all debris.
10. Fill hole with caulking compound or appropriate filler (to minimize subsequent fiber release and for appearance).
11. Repeat the above steps at each sample location. Place sample containers in plastic bags.
12. Discard protective clothing, rags, and drop cloth in a plastic bag.

Thermal System Insulation

Sampling TSI follows the same procedural sequence as laid out above. Obtain samples from exposed or damaged areas, if possible. However, random sampling will require sampling of some intact material. Sampling holes can be patched with plastic spackling, caulk, or fibrous glass.

Miscellaneous Materials

Sampling miscellaneous materials follows the same procedural sequence as laid out above, making sure that a cross section of the materials have been obtained.

Forwarding Samples to Laboratory

The samples are transferred, using standard chain-of-custody procedures, to a laboratory accredited in the National Voluntary Laboratory Accreditation Program (NVLAP), for bulk asbestos fiber analysis. The samples are analyzed using polarized light microscopy with dispersion staining (PLM/ds) for the presence and quantification of asbestos fibers, in general accordance with either United States Environmental Protection Agency (USEPA) Method 600/M4-82-020 or USEPA Method 600/R-93/116. The lower limit of reliable detection for asbestos using the PLM/ds method is approximately 1% by volume. California regulations now define ACMs as those materials having an asbestos content of greater than one tenth of 1% (0.1%).

APPENDIX B

XRF TESTING METHODOLOGY

XRF TESTING METHODOLOGY

To assess the painted surfaces for future contractor worker safety, x-ray fluorescence (XRF) testing technologies were utilized. The testing was conducted in general accordance with the following regulations: 1) Title 17, California Code of Regulations, Division 1, Chapter 8, Accreditation Certification, and Work Practice in Lead Related Construction, Section 36000.

After a visual assessment, accessible painted surfaces were screened for lead content with a NITON 309 XRF spectrum analyzer. XRF readings were taken using the standard paint mode. Standard paint mode measurements have no predetermined testing length, and automatically adjust to account for various types of substrates and material's densities.

In the standard paint mode, the NITON 309 XRF tests until a K-shell result is indicated as either positive or negative, compared to the threshold level based on the current precision of the test. Correction for paint matrix and substrate effects is performed automatically.

XRF readings were made on testing combinations in all room equivalents in an effort to test typical materials which are representative of the room equivalent. Testing combinations were tested non-destructively by holding the XRF against the surface being tested. At each XRF sample location the shutter is opened, and one reading was made using the standard paint testing mode. Results of each test were read from the digital display of the instrument console and recorded on the XRF Data Sheet attached as Table 2.

To ensure that the XRF equipment was working properly, various quality control tests were performed before, during, and after the on-site work. At the beginning of the work day, three start up validation measurements were made in the standard paint calibration mode, using the calibration check standard associated with the particular XRF that was used. This painted standard contains a known quantity of lead and allows the XRF operator to determine whether the instrument is functioning within acceptable tolerance ranges for accuracy and precision, as determined by the manufacturer.

In addition to the three starts up tests, calibration readings were taken on the red 1.06 mg/cm^2 and/or yellow 1.57 mg/cm^2 Standard Reference Material (SRM) paint film, developed by the National Institute of Standards and Technology (NIST). Results of each reading

recorded on the XRF Data Sheet. This calibration check was also performed after four and at the end of the day. The quality control tests taken during testing at the subject were within the acceptable performance range prescribed by the XRF equipment facturer. Documentation of the quality control calibration check is included in the XRF Sheet, Table 2.

APPENDIX C

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY RECORDS

PSI Information To Build On
Engineering • Consulting • Testing

REPORT OF BULK SAMPLE ANALYSIS FOR ASBESTOS

TESTED FOR: Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
Attn: Brendan Phelan

Project ID: 815-3A045
Project# 105718001
City of Del Mar
1050 Camino Del Mar
Del Mar, CA

Date Received: 10/5/2005 **Date Completed:** 10/7/2005 **Date Reported:** 10/10/2005

Analyst: DB **Work Order:** 0510094 **Page:** 1 of 5

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) *Analyst's Comment*	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
NM03-ASB-001	001A	(1) Gray, Plaster, Homogeneous	NO ASBESTOS DETECTED	2% Hair 4% Cellulose fiber
NM03-ASB-002	002A	(1) Gray, Plaster, Homogeneous	NO ASBESTOS DETECTED	2% Hair 4% Cellulose fiber
NM03-ASB-003	003A	(1) Gray, Plaster, Homogeneous	NO ASBESTOS DETECTED	2% Hair 4% Cellulose fiber
NM03-ASB-004	004A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	95% Cellulose fiber
NM03-ASB-005	005A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	95% Cellulose fiber
NM03-ASB-006	006A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	95% Cellulose fiber
NM03-ASB-007	007A	(1) Gray, Stucco, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-008	008A	(1) Gray, Stucco, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-009	009A	(1) Gray, Stucco, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-010	010A	(1) Brown, Floor Tile, Homogeneous (2) Black, Mastic, Homogeneous	5% Chrysotile NO ASBESTOS DETECTED	None Reported None Reported
NM03-ASB-011	011A	(1) Brown, Floor Tile, Homogeneous (2) Black, Mastic, Homogeneous	5% Chrysotile NO ASBESTOS DETECTED	None Reported None Reported

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Method for the Determination of Asbestos in Bulk Building Materials (EPA / 600/R-93/116 July 1993). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight.

Respectfully submitted,
PSI, Inc.

Maureen L. Sammons

Approved Signatory
Maureen Sammons

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) *Analyst's Comment*	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
NM03-ASB-012	012A	(1) Brown, Floor Tile, Homogeneous	5% Chrysotile	None Reported
		(2) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-013	013A	(1) Black, Basecove, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Yellow, Glue, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-014	014A	(1) Black, Basecove, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Yellow, Glue, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-015	015A	(1) Black, Basecove, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Yellow, Glue, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-016	016A	(1) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass
NM03-ASB-017	017A	(1) White, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	< 1% Chrysotile	None Reported
NM03-ASB-018	018A	(1) White, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
NM03-ASB-019	019A	(1) White, Plaster, Homogeneous	< 1% Chrysotile	None Reported
NM03-ASB-020	020A	(1) White, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
NM03-ASB-021	021A	(1) White, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	< 1% Chrysotile	None Reported
NM03-ASB-022	022A	(1) White, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	< 1% Chrysotile	None Reported
NM03-ASB-023	023A	(1) Green, Skim Coat, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Gray, Base Coat, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-024	024A	(1) White, Skim Coat, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Gray, Base Coat, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-025	025A	(1) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass
NM03-ASB-026	026A	(1) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass
NM03-ASB-027	027A	(1) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	20% Cellulose fiber
NM03-ASB-028	028A	(1) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	20% Cellulose fiber
NM03-ASB-029	029A	(1) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Method for the Determination of Asbestos in Bulk Building Materials (EPA / 600/R-93/116 July 1993). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight.

Respectfully submitted,
PSI, Inc.

Maureen L. Sammons

Approved Signatory
Maureen Sammons

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) *Analyst's Comment*	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
NM03-ASB-030	030A	(1) Black, Mastic, Homogeneous	7% Chrysotile	None Reported
NM03-ASB-031	031A	(1) Tan, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-032	032A	(1) Tan, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-033	033A	(1) Tan, Basecove, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-034	034A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	95% Cellulose fiber
NM03-ASB-035	035A	(1) Gray, Vinyl Sheeting, Homogeneous	NO ASBESTOS DETECTED	10% Cellulose fiber
		(2) Gray, Vinyl Sheeting, Homogeneous	NO ASBESTOS DETECTED	10% Synthetic Fiber
NM03-ASB-036	036A	(1) Tan, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-037	037A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	95% Cellulose fiber
NM03-ASB-038	038A	(1) Tan, Basecove, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Yellow, Glue, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-039	039A	(1) White, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-040	040A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	95% Cellulose fiber
NM03-ASB-041	041A	(1) Tan, Covebase, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Brown, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-042	042A	(1) Gray, Stucco, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-043	043A	(1) Gray, Stucco, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-044	044A	(1) Gray, Stucco, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-045	045A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	95% Cellulose fiber
		(2) Brown, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-046	046A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	95% Cellulose fiber
NM03-ASB-047	047A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	95% Cellulose fiber

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Respectfully submitted,
PSI, Inc.

Maureen L. Sammons

Approved Signatory
Maureen Sammons

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) *Analyst's Comment*	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
NM03-ASB-049	048A	(1) Tan, Basecove, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-050	049A	(1) Tan, Basecove, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-051	050A	(1) Tan, Basecove, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-052	051A	(1) White, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-053	052A	(1) White, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-054	053A	(1) White, Drywall, Homogeneous	NO ASBESTOS DETECTED	3% Cellulose fiber
		(2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-055	054A	(1) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-056	055A	(1) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
NM03-ASB-057	056A	(1) Orange, Mastic, Homogeneous	NO ASBESTOS DETECTED	None Reported
		(2) Black, Mastic, Homogeneous	4% Chrysotile	None Reported
NM03-ASB-058	057A	(1) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	5% Cellulose fiber 10% Fibrous Glass
NM03-ASB-059	058A	(1) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	5% Cellulose fiber 10% Fibrous Glass
NM03-ASB-060	059A	(1) Black, Roofing, Homogeneous	NO ASBESTOS DETECTED	5% Cellulose fiber 10% Fibrous Glass
NM03-ASB-061	060A	(1) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	10% Cellulose fiber
NM03-ASB-062	061A	(1) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	10% Cellulose fiber
NM03-ASB-063	062A	(1) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED	10% Cellulose fiber
NM03-ASB-064	063A	(1) Gray, Tape, Homogeneous	NO ASBESTOS DETECTED	90% Cellulose fiber

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Method for the Determination of Asbestos in Bulk Building Materials (EPA / 600/R-93/116 July 1993). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight.

Respectfully submitted,
PSI, Inc.

Maureen L. Sammons

Approved Signatory
Maureen Sammons

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) *Analyst's Comment*	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
NM03-ASB-065	064A	(1) Gray, Other, Homogeneous *Sealant*	NO ASBESTOS DETECTED	None Reported

Report Notes: **(PT) Point Count Results**

Respectfully submitted,
PSI, Inc.

Maureen L. Sammons

Approved Signatory
Maureen Sammons

PSI Information To Build On
Engineering • Consulting • Testing

REPORT OF BULK SAMPLE ANALYSIS FOR ASBESTOS

TESTED FOR: Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
Attn: Brendan Phelan

Project ID: 815-3A045 -- Revised 10/18/05
Project# 105718001
City of Del Mar
1050 Camino Del Mar
Original WO# 0510094

Date Received: 10/17/2005 **Date Completed:** 10/18/2005 **Date Reported:** 10/18/2005

Analyst: DA **Work Order:** 0510350 **Page:** 1 of 1

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) *Analyst's Comment*	Asbestos Content (Percent and Type)		Non-asbestos Fibers (Percent and Type)
NM03-ASB-017	001A	(1) White, Joint Compound, Homogeneous *1000 Point Count*	< 0.1%	CHRYSOTILE (PT)	None Reported
NM03-ASB-019	002A	(1) White, Plaster, Homogeneous *1000 Point Count*	< 0.1%	CHRYSOTILE (PT)	None Reported
NM03-ASB-021	003A	(1) White, Joint Compound, Homogeneous *1000 Point Count*	< 0.1%	CHRYSOTILE (PT)	None Reported
NM03-ASB-022	004A	(1) White, Joint Compound, Homogeneous *1000 Point Count*	0.1%	CHRYSOTILE (PT)	None Reported

Report Notes: **(PT) Point Count Results**

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Method for the Determination of Asbestos in Bulk Building Materials (EPA / 600/R-93/116 July 1993). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight.

Respectfully submitted,
PSI, Inc.

Maureen L. Sammons

Approved Signatory
Maureen Sammons

ASBESTOS BULK SAMPLE DATA SHEET 0510094 (S)

Sheet 1 of 5

Ninyo & Moore 5710 Ruffin Road San Diego, CA 92123 Tel: (858) 576-1000 Fax: (858) 576-9600	**Project Name :** City of Del Mar / 1050 Camino del Mar Project No.: 165718001 Project Manager: GLK Site Address: 1050 Camino Del Mar Del Mar, CA	Sampled By: TAB Sampled By: JBP Sampled By: Date Sampled: 9/30/05	**Laboratory:** PSI Pittsburgh, PA Tel: (412) 922-4001 Fax: (412) 922-4844

CHAIN OF CUSTODY INFORMATION:

Relinquished By: (sign/print)	Company	Date	Time(24 hr.)	Received By: (sign/print)	Laboratory
J. Brendan Phelan	Ninyo&Moore	10/3/05	17:00, via FedEx	Paul Gluth 10-5-05 9am	

Sample ID	Building Number	Room Number	Sample Location	Sample Description	Quantity (SF/LF/E	Friable (Y/N)	Condition
NM03-ASB 001	File store	1st flr	South/west corner	plaster			
NM03-ASB 002			South wall / Behind BLK Boxes	Drywall / Int.		N	
NM03-ASB 003			North wall - Between windows	Drywall plaster / Int.			
NM03-ASB 004			West wall / ceiling	Drywall plaster Int.			
NM03-ASB 005			North west corner by Heater	Acoustic ceiling Tile			
NM03-ASB 006	↓	↓	Center of room ceiling	Acoustic ceiling tile			
NM03-ASB 007			South corner by stairs	Acoustic ceiling tile			
NM03-ASB 008	↓	↓	East wall next to glass door	Exterior stucco			
NM03-ASB 009	File store	2nd flr	West south/west corner	Exterior stucco			
NM03-ASB 010		2nd flr	South / west floor	Exterior stucco			
NM03-ASB 011		2nd flr	North / east floor	vinyle floor tile & mastic			
NM03-ASB 012		2nd flr	North / west floor	9x9 floor tile & master			
NM03-ASB 013	File store	1st flr	East wall, near Hallway	9x9 floor tile & mastic			
NM03-ASB 014	↓	↓	center wall	Base cove & Glue			
NM03-ASB 015	↓	↓	West wall	Base cove & Glue			
				Base cove & Glue			

ASBESTOS BULK SAMPLE DATA SHEET

Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
Tel: (858) 576-1000
Fax: (858) 576-9600

Project Name : City of Del Mar / 1050 Camino del Mar
Project No.: 105718001
Project Manager: GLK
Site Address: 1050 Camino Del Mar
Del Mar, CA

Sampled By: TAB
Sampled By: JBP
Sampled By:
Date Sampled: 9/30/05

Laboratory:
PSI
Pittsburgh, PA
Tel: (412) 922-4001
Fax: (412) 922-4844

CHAIN OF CUSTODY INFORMATION:

Relinquished By: (sign/print)	Company	Date	Time (24 hr.)	Received By: (sign/print)	Laboratory
/J. Brendan Phelan	Ninyo&Moore	10/3/05	17:00, via FedEx	P.J.H.	

Sample ID	Building Number	Room Number	Sample Location	Sample Description	Quantity (SF/LF/E)	Friable (Y/N)	Condition
NM03-ASB 016		2nd Flr	Roof over Womens Bath.	Roof Coal		Y	Good
NM03-ASB 017		2nd Flr	~~Roof~~ North wall over door	Drywall			
NM03-ASB 018		2nd Flr	South/East wall over Bookcase	Drywall			
NM03-ASB 019		2nd Floor	- West wall/between windows	plaster			
NM03-ASB 020		2nd Floor	Entry Door; ceiling	Drywall			
NM03-ASB 021		2nd floor	North/ ceiling	Drywall / joint compo			
NM03-ASB 022		2nd Flr	South/East ceiling	Drywall / joint compo			
NM03-ASB 023		1st Floor	South/East Brick column	ext stucco			
NM03-ASB 024		2nd Flr	Ext West wall - "womens RR.	Ext Stucco			
NM03-ASB 025		Roof	Roof - South/west	Roof COLE			
NM03-ASB 026		Roof	Roof - North EAST	Roof coal			
NM03-ASB 027		Roof	Roof = center - Roof vent	mastic			
NM03-ASB 028		Roof	Roof = north/west Parapet wall	mastic			
NM03-ASB 029		Roof	Roof = East center	Roof COLE			
NM03-ASB 030		Roof	Roof = west wall center	mastic			

ASBESTOS BULK SAMPLE DATA SHEET

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Project Name : City of Del Mar / 1050 Camino del Mar
Project No.: 105718001
Project Manager: GLK
Site Address: 1050 Camino Del Mar
Del Mar, CA

Sampled By: TAB
Sampled By: JBP
Sampled By:
Date Sampled: 9/30/05

Laboratory:
PSI
Pittsburgh, PA
Tel: (412) 922-4001
Fax: (412) 922-4844

CHAIN OF CUSTODY INFORMATION:

Relinquished By: (sign/print)	Company	Date	Time(24 hr.)	Received By: (sign/print)	Laboratory
J. Brendan Phelan	Ninyo&Moore	10/3/05	17:00, via FedEx	P.S.H.	

Sample ID	Building Number	Room Number	Sample Location	Sample Description	Quantity (SF/LF/E	Friable (Y/N)	Condition
NM03-ASB 031		Mens RR	West wall - Entry	Drywall - Joint Compd			
NM03-ASB 032		Mens RR	South wall - toilet	Drywall Joint Compd.			
NM03-ASB 033	Main	Down Stairs	floor next to copier	TAN base cove			
NM03-ASB 034	Main	Down Stairs	breakroom - north/east corner	Ceiling tile			
NM03-ASB 035		Down Stairs	Breakroom - behind entry door	sheet vynle floor			
NM03-ASB 036		Down Stairs	Breakroom - behind entry Door	Drywall / Joint Compound.			
NM03-ASB 037		Down Stairs	Entry Finance Dept - north wall	ceiling tile			
NM03-ASB 038			Entry Finance Dept - Door Jam	Base - cove			
NM03-ASB 039			~~Entry~~ Entry Finance Dept north wall	Drywall Joint Compound			
NM03-ASB 040			East wall - ceiling - middle	Ceiling TILE			
NM03-ASB 041			north/east wall - center	Base cove / mastic			
NM03-ASB 042			West wall center - above window	Ext. Stucco			
NM03-ASB 043			South wall center - by stairs	Ext. Stucco			
NM03-ASB 044	↓	↓	North wall center - by elec.	Ext. Stucco			
NM03-ASB 045	Main	Down Floor	North/west wall - Conf. Room	Acoustic ceiling tile / mastic			

ASBESTOS BULK SAMPLE DATA SHEET

Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
Tel: (858) 576-1000
Fax: (858) 576-9600

Project Name : City of Del Mar / 1050 Camino del Mar
Project No.: 105718001
Project Manager: BLK
Site Address: 1050 Camino del Mar
Del Mar, CA

Sampled By: TAB
Sampled By: JBP
Sampled By:
Date Sampled: 9/30/05

Laboratory:
PSI
Pittsburgh, PA
Tel: (412) 922-4001
Fax: (412) 922-4844

CHAIN OF CUSTODY INFORMATION:

Relinquished By: (sign/print)	Company	Date	Time (24 hr.)	Received By: (sign/print)	Laboratory
/J. Brendan Phelan	Ninyo&Moore	9/3/05	17:00, via FedEx	P.J.H.	

Sample ID	Building Number	Room Number	Sample Location	Sample Description	Quantity (SF/LF/E	Friable (Y/N)	Condition
NM03-ASB 046	main	1st flr	~~Northeast/west corner~~ center	Acoustic ceiling tile			
NM03-ASB 047		1st flr	north/west corner	Acoustic ceiling tile			
~~NM03-ASB 048~~			Not Sampled	~~Acoustic ceiling tile~~			
NM03-ASB 049		1st	file storage Room - west wall	Base cove			
NM03-ASB 050		1st	south-east wall	Base cove			
NM03-ASB 051		1st	west wall - under Draft tbls	Base cove			
NM03-ASB 052		1st	Int partition wall break room	Drywall & MUD			
NM03-ASB 053		1st	Int partition wall file room	Drywall & Joint compound			
NM03-ASB 054		1st	Int wall - south / East wall	Dry wall & Joint compd.			
NM03-ASB 055		1st	Lobby, southeast corner	Carpet mastic			
NM03-ASB 056		↓	Main Rm, northwest corner	↓			
NM03-ASB 057		↓	Main Rm, southeast corner	↓			
NM03-ASB 058			Low north-front	Roof core (orange & black)			
NM03-ASB 059			Main roof south/west corner	Roof core			
NM03-ASB 060			Main roof north end	Roof coore			

ASBESTOS BULK SAMPLE DATA SHEET

Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
Tel: (858) 576-1000
Fax: (858) 576-9600

Project Name: City of Del Mar / 1050 Camino del Mar
Project No.: 105718001
Project Manager: GLK
Site Address: 1050 Camino Del Mar, Del Mar, CA

Sampled By: TAB
Sampled By: JBP
Sampled By:
Date Sampled: 9/30/05

Laboratory:
PSI
Pittsburgh, PA
Tel: (412) 922-4001
Fax: (412) 922-4844

CHAIN OF CUSTODY INFORMATION:

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J. Brendan Phelan	Ninyo&Moore	10/3/05	17:00, via FedEx	P.J.H.	

Sample ID	Building Number	Room Number	Sample Location	Sample Description	Quantity (SF/LF/E	Friable (Y/N)	Condition
NM03-ASB 061	Main	Roof	Main roof, North center @ vent	Roof mastic		N	Good
NM03-ASB 062	↓	↓	↓, southwest corner @ pipe	↓		↓	↓
NM03-ASB 063			East roof, south @ column				
NM03-ASB 064			↓, HVAC ducts	HVAC duct tape			
NM03-ASB 065	↓	↓	↓, ↓	HVAC duct sealant		↓	↓
NM03-ASB 066							
NM03-ASB 067							
NM03-ASB 068							
NM03-ASB 069							
NM03-ASB 070							
NM03-ASB 071							
NM03-ASB 072							
NM03-ASB 073							
NM03-ASB 074							
NM03-ASB 075							

APPENDIX D

DHS FORM 8552 – LEAD HAZARD EVALUATION REPORT

State of California—Health and Human Services Agency

Department of Health Services

LEAD HAZARD EVALUATION REPORT

Section 1—Date of Lead Hazard Evaluation 9/30/05

Section 2—Type of Lead Hazard Evaluation (Check one box only)

☒ Lead inspection ☐ Risk assessment ☐ Clearance inspection ☐ Other (specify) _____

Section 3—Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)]	City	County	ZIP code
1050 Camino Del Mar	Del Mar	San Diego	92014

Construction date (year) of structure: UNKNOWN

Type of structure (check one box only): ☐ Single family dwelling ☐ Multi-unit building ☐ Child-occupied facility ☒ Other (specify) City Office Bldg.

Section 4—Owner of Structure (If business/agency, list contact person)

Name	Telephone number
City of Del Mar, Ms. Carmen Kasner	(858) 755-3294

Address [number, street, apartment (if applicable)]	City	State	ZIP code
1050 Camino Del Mar	Del Mar	CA	92014

Section 5—Results of Lead Hazard Evaluation (Check one box only)

☐ **No lead-based paint detected.**
A lead inspection was conducted following the procedures outlined in Title 17, California Code of Regulations, Division 1, Chapter 8. No lead-based paint was detected during this lead inspection. This structure is found to be lead-based paint free.

☐ **No lead hazards detected.**
Lead hazard evaluation was conducted following the procedures outlined in Title 17, California Code of Regulations, Division 1, Chapter 8. No lead hazards were detected.

☒ **Lead-based paint and/or lead hazards detected.**
Lead hazard evaluation was conducted following the procedures outlined in Title 17, California Code of Regulations, Division 1, Chapter 8. Lead-based paint and/or lead hazards were detected.

Section 6—Individual Conducting Lead Hazard Evaluation

Name	Telephone number
J. Brendon Phelan	(858) 576-1000

Address [number, street, apartment (if applicable)]	City	State	ZIP code
5716 Ruffin Road	San Diego	CA	92123

Brand name and serial number of any portable x-ray fluorescence (XRF) instrument used (if applicable)
Niton 309 XL - 309V4037NR4861

DHS certification number	Signature	Date
#10692	➤ J. Brendon Phelan	11/02/05

Section 7—Attachments

A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint;

B. Each testing method, device, and sampling procedure used;

C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed to:
Department of Health Services
Childhood Lead Poisoning Prevention Branch
Reports
1515 Clay Street, No. 1801
Oakland, CA 94612
FAX (510) 622-5002

DHS 8552 (2/99)