

PHASE I ENVIRONMENTAL SITE ASSESSMENT AND LIMITED ASBESTOS AND LEAD-BASED PAINT SURVEYS BOB RUUD COMMUNITY CENTER 150 NORTH HIGHWAY 160 PAHRUMP, NEVADA

PROJECT NO. 117801.01

June 29, 2011



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Subject: Pl

Phase I Environmental Site Assessment and

Limited Asbestos and Lead-Based Paint Surveys

Bob Ruud Community Center

150 North Highway 160

Pahrump, Nye County, Nevada

Dear Mr. Friedman:

Enclosed are two hard copies and one electronic copy on compact disc (CD) of the Phase I Environmental Site Assessment (ESA) for the above-referenced property. The ESA was conducted under an approved Brownfields Grant. In addition to the submittals provided to NDEP, we are providing two copies to the Town of Pahrump, the applicant of this funded grant.

An executive summary is provided; however, we recommend that the report be read in its entirety for a comprehensive understanding of the items contained therein.

We appreciate the opportunity to provide these services for you. Should you require additional information, have any questions regarding this report, or wish to discuss the recommendations provided, please contact us at 775-689-7800.

Respectfully submitted,

KLEINFELDER

Joshua P. Fortmann, CEM

Project Manager

JPF/PJT/js Enclosures

Copies with attachments to:

Town of Pahrump, Attention Bill Kohbarger



A report prepared for:

Nevada Division of Environmental Protection **Bureau of Corrective Actions** 901 South Stewart Street, Suite 4001 Carson City, Nevada 89701-5249

Subject:

Phase I Environmental Site Assessment and

Limited Asbestos and Lead-Based Paint Surveys

Bob Ruud Community Center

150 North Highway 160

Pahrump, Nevada

Kleinfelder Project No.: 117801.01

Prepared by:

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances.*

FOR Phil J. Tousignant, C.E.M.

me auto

Daniel C Buns

*Nevada Certified Environmental Manager No. 2001(Expires 03/01/2013)

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USEPA Certified Lead-Based Paint Risk Assessor, Nevada,

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Reviewed by:

Joshua P. Fortmann, C.E.M.

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The Limited Asbestos Survey was performed by:

Brian Loffman, C.E.M.

Project Manager- BEC Environmental, Inc.

Nevada Asbestos Inspector I-1561, Expires 2/9/2012

June 29, 2011



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1 EXECUTIVE SUMMARY

An application was submitted by the Town of Pahrump, to the Nevada Division of Environmental Protection's (NDEP) Brownfields Program for Brownfields assessment funding. The grant application was submitted for conducting an assessment of the Bob Ruud Community Center. NDEP approved the application, and requested that a scope of services for conducting a Phase I Environmental Site Assessment (Phase I ESA) and limited asbestos and lead-based paint surveys be submitted by Kleinfelder. The scope was submitted on March 14, 2011 and approved by the NDEP on April 22, 2011, under NDEP Contract 10-008.

A Phase I Environmental Site Assessment (Phase I ESA) was performed for NDEP (Client) for property located at 150 North Highway 160, in the Town of Pahrump, located in Nye County, Nevada (subject property, Plate 1). This report was prepared using the American Society for Testing and Materials (ASTM), Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E1527-05.

The subject property consists of a concrete masonry block and wooden framed single story building, addressed as 150 North Highway 160, Pahrump, Nevada, in Nye County Nevada. The subject property is referred to as the Bob Ruud Community Center.

An historical profile of the subject property was developed using information obtained during our review of regulatory databases and one or more of the following historical sources: aerial photographs, topographic maps, fire insurance maps, street directories, and previous investigations.

The subject property was not listed in any of the regulatory databases searched.

There were no *recognized environmental conditions* (REC, as defined in Section 2.1) noted for the subject property during the preparation of this Phase I ESA. However, the following conditions of potential environmental concern were noted:



- Poor best management practices were observed in the supply storage closet.
 Spilled floor seal/resin type material was observed. Kleinfelder recommends that spills be cleaned and leaking containers be appropriately disposed.
- Surface stained soil was observed in the area where one of the two septic/leach fields areas is reportedly located. The Town of Pahrump should verify whether the surface staining is above the septic/leach field and if so, evaluate if the septic/leach field is functional.

There were no *historic recognized environmental conditions* noted for the subject property during the preparation of this Phase I ESA.

<u>Asbestos</u>

The Limited Asbestos Survey (LAS) revealed the presence of approximately 7,000 square feet of exterior roofing system asbestos-containing material (ACM), 100 square feet of beige resilient floor tile and yellow mastic ACM, 150 square feet of grey resilient floor tile and brown mastic ACM. At the time of this survey, all ACM appeared to be in good condition; and therefore does not currently pose a hazard and does need not be removed. However, if renovation or demolition is planned all friable ACM's must be removed by a licensed asbestos abatement contractor prior to renovation or demolition activities. Non-friable ACM's that may become friable during demolition activities must also be removed prior to demolition. It is recommended that abatement plans and specifications be prepared by an Asbestos Hazards Emergency Response Act (AHERA) accredited project designer who is independent of the abatement contractor. While non-friable ACM's may be removed by other than a licensed asbestos abatement contractor, it is recommended that all ACM's be removed by a licensed contractor prior to demolition activities. Non-friable ACM's should be handled, transported and disposed of in such a way as to prevent the material from becoming friable and potentially releasing asbestos fibers.

Lead-Based Paint

The lead-based paint (LBP) survey did not reveal the presence of LBP, but one paint chip sample collected from roof cap flashing contained a low lead concentration (89 ppm) identifying the presence of low concentration lead-containing paint. This paint is



not considered to be LBP, and the low concentration is unlikely to cause exposure concerns to site workers. However, Occupational Safety and Health Administration (OSHA) considers it to be lead containing and therefore, removal of the deteriorated paint and/or the cap flashing should be conducted in accordance with OSHA regulations.

A full evaluation of this site including any deviations, historical environmental conditions, and *de minimis* findings are discussed in Chapter 8 of this report. This report is subject to the limitations in Section 2.5.



2 INTRODUCTION

The following report is a summary of work performed using the guidelines set forth in the ASTM Standard E-1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM Standard). This report generally conforms to the ASTM Standard's suggested table of contents. To assist in better reading and understanding of the report, Kleinfelder made minor format modifications to the ASTM Standard's suggested table of contents.

2.1. PURPOSE

The purpose of this Phase I ESA is to identify, to the extent feasible pursuant to the terms of our NDEP Contract 10-008, and limitations discussed in this report, RECs and other environmental issues related to the subject property. As defined in the ASTM Standard, a REC is:

The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions.

The ASTM standard also requires the identification of Historical RECs (HRECs). As defined in the ASTM Standard, subsection 3.2.39, a HREC is:

An environmental condition which in the past would have been considered a REC, but which may or may not be considered a REC currently. The final decision rests with the EP and will be influenced by the current impact of the



HREC on the property. If a past release of any hazardous substance or petroleum products has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidence by the issuance of a no further action letter or equivalent), this condition shall be considered a HREC and included in the findings section of the Phase 1 ESA report... (EP opinion statement)... If this HREC is determined to be a REC at the time the Phase 1 ESA is conducted, the condition shall be identified as such and listed in the conclusions section of the report."

This report describes Kleinfelder's assessment methodology and documents our assessment findings, subject to the limitations presented in Section 2.5 of this report.



2.2. DETAILED SCOPE-OF-SERVICES

The following sections describe Kleinfelder's work scope:

- Section 2, Introduction, includes a discussion of the purpose/reason for performing the Phase I ESA, additional services requested by the Client (i.e., an evaluation of business environmental risk factors associated with the subject property), significant assumptions (i.e., property boundaries if not marked in the field), limitations, exceptions, and special terms and conditions (i.e., contractual), and user reliance parameters.
- Section 3, Site Description, is a compilation of information concerning the subject property location, legal description (if provided), current and proposed use of the subject property, a description of structures and improvements on site at the time of Kleinfelder's assessment, and adjoining property use.
- Section 4, Records Review, is a compilation of Kleinfelder's review of several databases available from Federal, State, and local regulatory agencies regarding hazardous substance use, storage, or disposal at the subject property; and for off-site facilities within the search distance specified in the ASTM Standard. Records provided by the Client are summarized and copies of relevant documents are included in the appendices of this report. Physical setting sources (including topography, soil and groundwater conditions) and typical Client-provided information (i.e., title records, environmental liens, specialized knowledge, valuation reduction for environmental issues, and owner, property manager, and occupant information) are also summarized in this section. Other interviews with people knowledgeable about the subject property (including the client) are included in Section 7.
- Section 5, History of the Site, summarizes the history of the subject property and adjoining properties. This subject property history is based on various sources which may include: a review of historical aerial photographs, Sanborn Fire Insurance Maps, city or suburban directories, historical topographic maps, building department records, and results of previous site assessments.



- Section 6, Site Reconnaissance, describes Kleinfelder's observations during the site reconnaissance. The methodology used and limiting conditions are described.
- Section 7, Interviews, is a summary of telephone and personal interviews conducted with "Key Site Managers" that may include the owner/manager of the facility, occupants/tenants, local government officials, and the Client. Additional interview sources may be contacted if "Key Site Managers" are not available prior to production of this report, and may include adjoining landowners and people with historical knowledge of the area.
- Section 8, Evaluation, is a presentation of our findings and opinions regarding
 the information in Sections 3 through 7, and presents our conclusions regarding
 the presence of RECs connected with the site, and recommendations if required
 by the Client.
- Section 9, References, is a summary of some of the resources used to compile this report.

Pertinent documentation regarding the subject property is included in appendices of this report.

2.3. ADDITIONAL SERVICES

The scope of work for this Phase I ESA included a LAS and a LBP survey. Other ASTM Standard non-scope considerations, such as radon, lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, and high voltage power lines.

2.4. SIGNIFICANT ASSUMPTIONS

No significant assumptions were made regarding the subject property.



2.5. LIMITATIONS AND EXCEPTIONS

Phase I ESAs are non-comprehensive by nature and may not identify all environmental problems, and will not eliminate all risk. This report is a qualitative assessment. Kleinfelder offers a range of investigative and engineering services to suit the needs of our clients, including more quantitative investigations. Although risk can never be eliminated, more detailed and extensive investigations yield more information, which may help the Client understand and better manage risks. Since such detailed services involve greater expense, we ask our clients to participate in identifying the level of service, which will provide them with an acceptable level of risk. Please contact the signatories of this report if you would like to discuss this issue of risk further.

Kleinfelder performed this Phase I ESA in general accordance with the guidelines set forth in the ASTM Standard, and the proposed scope subsequently approved by our Client. No warranty, either express or implied, is made. Environmental issues not specifically addressed in this report were beyond the scope of our services and not included in our evaluation.

During the LAS survey, no attempt was made move equipment, furnishings or to uncover or observe below-ground systems or equipment. Areas that were not considered safely accessible were not evaluated. There remains the possibility that additional ACMs (e.g., in underground asbestos-containing cement pipes and/or ACM-wrapped utility pipes), or other hazardous materials may be encountered during future building demolition and/or below grade excavation activities.

2.6. SPECIAL TERMS AND CONDITIONS

No special terms and conditions in addition to those discussed previously were agreed to either by the Client and Kleinfelder.



2.7. USER RELIANCE

This report may be used only by the NDEP, and the Town of Pahrump and only for the purposes stated within a reasonable time from its issuance, but in no event later than 1 year from the date of the report. Land or facility use, on- and off-site conditions, regulations, or other factors may change over time, and additional work may be required with the passage of time. Since site activities and regulations beyond our control could change at any time after the completion of this report, our observations, findings, and opinions can be considered valid only as of the date of the site visit. This report should not be relied upon after 180 days from the date of its issuance (ASTM Standard, Section 4.6). Any party other than the Client who wishes to use this report shall notify Kleinfelder of such intended use.



3 SITE DESCRIPTION

The site description is presented in this section and describes the condition of the subject property at the time of the Phase I ESA. The site location is shown on Plate 1. Tables 3-1 through 3-5 summarize the physical characteristics of the site and adjoining properties.

3.1. LOCATION AND LEGAL DESCRIPTION

The information presented in Table 3-1 describes the physical location and legal description of the subject property. This information was obtained from review of various maps (such as topographic maps and tax assessor maps), aerial photographs, public records at city and/or county offices, interviews, and/or information provided by the Client.

TABLE 3-1
LOCATION AND LEGAL DESCRIPTION

Parameter	Information/Comments	
ADDRESS	150 North Highway 160, Pahrump, Nevada 89060	
LOCATION	Town of Pahrump, Nye County, Nevada	
SECTION, TOWNSHIP & RANGE	Section 10, Township 20 South, Range 53 East	
ASSESSOR'S PARCEL NO.	035-121-15 (portion of)	
LEGAL DESCRIPTION	T20S R53E S10 F#523204 P.2 34.27AC	
ACREAGE	Approximately 0.16	
ZONING/LAND USE	690 - Public Lands or Parks - Improved	

3.2. CURRENT/PROPOSED USE OF THE PROPERTY

At the time of Kleinfelder's assessment the land use for the subject property was a fully developed, but vacant building, approximately 7,000 square feet in size. Current and proposed uses are described in Table 3-2.



TABLE 3-2 CURRENT/PROPOSED USES

Parameter	General Observations	
CURRENT USE	Bob Ruud Community Center - not in use	
PROPOSED USE	Renovated Community Center	

3.3. DESCRIPTION OF STRUCTURES/IMPROVEMENTS

Structures and/or improvements observed on site at the time of Kleinfelder's site reconnaissance are described in Table 3-3.

TABLE 3-3
STRUCTURES/IMPROVEMENTS

Parameter	General Observations		
STRUCTURES	Approximately 7,000 square foot, single story concrete masonry block and wood framed stucco building, with concrete foundation and built up roof, with septic system.		
IMPROVEMENTS	Approximately 100 feet by 15 feet addition constructed on the north side of the structure in mid 1970's, with septic system.		

3.4. CURRENT USES OF ADJOINING PROPERTIES

Kleinfelder performed a brief drive-by survey of the properties immediately adjoining to the subject property on June 1, 2011. A summary of the surrounding properties is presented in Table 3-4.

TABLE 3-4
ADJOINING PROPERTIES

Direction	Land Use Description
NORTH	Park area with baseball/softball park beyond
EAST	Parking and park restroom, with Highway 160 beyond.
SOUTH Pahrump Valley Junction Shopping Center (separated from subject property by Basin Avenue).	
WEST	Basketball court, with playground, tennis courts and rodeo arena beyond



An aboveground storage tank (AST), supplying propane to the building, was observed located on the north side of the building. The propane AST was observed to be protected from vehicle contact by steel rail fencing and appeared to be in good condition.

A Rebel Oil fuel station, containing underground storage tanks (USTs) was observed located to the southeast of the subject property. The Rebel Oil fuel station, located at the corner of Basin Avenue and South Highway 160, is separated from the subject property by East Basin Avenue.

There were no other environmental conditions visible, from either the subject property boundary or public right-of-way view, on the adjoining properties at the time of Kleinfelder's site reconnaissance. Based on our observations at the time of our site visit, the adjoining properties do not appear likely to adversely affect the subject property, with the possible exception of the Rebel Oil fuel station. This facility is further discussed in Section 4.3 of this report.



4 RECORDS REVIEW

4.1. STANDARD ENVIRONMENTAL RECORD SOURCES

The purpose of the records review is to obtain and review records that would help to evaluate RECs of potential concern in connection with the subject property and bordering properties.

Federal, state and local regulatory agencies publish databases or "lists" of businesses and properties that handle hazardous materials or hazardous waste, or are the known location of a release of hazardous substances to soil and/or groundwater. These databases are available for review and/or purchase at the regulatory agencies, or the information may be obtained through a commercial database service. Kleinfelder contracted a commercial database service, TrackInfo Services of Montrose, California to perform the government database search for listings within the appropriate United States Environmental Protection Agency (USEPA) All Appropriate Inquiry (AAI) minimum search distance of the subject property. TrackInfo Services refer to their reports as the FirstSearch Environmental Report (FirstSearch). A description of the types of information contained in each of the databases reviewed and the agency responsible for compiling the data is also included in the FirstSearch Report. The FirstSearch database search results are presented in Appendix B, including the databases summarized in Table 4-1.



TABLE 4-1 RECORDS REVIEW & SEARCH DISTANCE

FEDERAL LIST	DISTANCE
National Priority List (NPL)	1 mile
Delisted NPL	½ mile
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)	½ mile
CERCLIS-No Further Remedial Action Planned (NFRAP)	½ mile
Resource Conservation Recovery Act (RCRA)-CORRACTS facilities	1 mile
RCRA-non CORRACTS TSD facilities	½ mile
RCRA generators	1/4 mile
Institutional Control/Engineering Control registries	1/4 mile
Emergency Response Notification System (ERNS)	Site
NPL-equivalent lists of hazardous waste sites (SHWS)	1 mile
CERCLIS-equivalent lists of hazardous waste sites	½ mile
Landfills or Solid Waste Listing	½ mile
Leaking Underground Storage Tank (LUST)	½ mile
Registered Underground Storage Tanks (UST)	1/4 mile
Institutional Control/Engineering Control-equivalent registries	1/4 mile
Voluntary Cleanup Sites (VCP)	½ mile
Brownfields	½ mile

FirstSearch utilizes a geographical information system to plot the locations of business and properties listed in the regulatory databases listed in Table 4-1. Kleinfelder reviews this information to help establish if the site, or nearby properties, have been included in the noted databases and lists. The FirstSearch report includes radius maps that show the locations of the listed properties with respect to the site, and a summary of pertinent information for these properties. For each listed site, the summaries include the name of the responsible party, the property address, the distance and direction from the subject property, as well as the databases and lists on which the listed property appears. The dates that the databases were updated are also included in the FirstSearch report.



4.2. RESULTS OF DATABASE SEARCH

The following sections contain information on the results of FirstSearch's record search. Listed search distances are those specified in the ASTM Standard. The subject property was not listed in any of the databases.

4.2.1. Federal Lists

Within their respective ASTM recommended minimum search distances, there was one geocoded site found:

Home Depot USA, HD 2211, 301 North Highway 160 (RCRA small quantity generator) - Since this listing is located approximately 1,500 feet north (cross-gradient), it is unlikely to pose a risk to the subject property.

There were three nongeocoded sites (refer to Section 4.2.4) listed in the FirstSearch Report that are described as being within the town of Pahrump. All three listings are for EPA Brownfields sites. Although these were nongeocoded, addresses were listed in the FirstSearch Report. Based on the locations of these addresses, these sites are at least 3,000 feet away and do not pose a risk to the subject property.

4.2.2. State Lists

Within their respective ASTM recommended minimum search distances, there were four geocoded sites found:

Rebel Oil Co #78, 40 South Highway 160 (UST) – This site is located approximately 200 feet to the southeast of the subject property, across East Basin Avenue. The FirstSearch Report lists five gasoline USTs ranging from 4,000 to 12,000-gallons in size, and one 6,000-gallon diesel UST. They were installed in 1998 and consist of steel and fiberglass reinforced plastic (FRP) construction. Piping is constructed of FRP. This site is further discussed in Section 4.3.

Nye County Maintenance Yard, Highway 160 and Boothill Drive (LUST) -The FirstSearch Report indicates that a release of diesel to soil was reported in October



1998. The NDEP reportedly granted case closure in March 1999. Since regulatory closure has been granted and this site is located approximately ½ mile north (cross gradient), it is unlikely to pose a risk to the subject property.

Preferred Equities, 220 Highway 160 and 372 (LUST) - The FirstSearch Report lists that the type of event as a "No Impact, Clean Close" for this site. This site is located approximately ½ mile south of the subject property. The NDEP granted a clean closure in August 1996. This site therefore does not pose a risk to the subject property.

<u>D and M Partners, 370 Gemini (State)</u> – The FirstSearch Report lists a release of "other cyanide" to soil, reported in February 1995. The case was closed by the NDEP in 1996. Since regulatory closure has been granted and this site is located approximately 0.75 miles northwest (crossgradient or downgradient), it is unlikely to pose a risk to the subject property.

There were five nongeocoded sites (refer to Section 4.2.4) listed in the FirstSearch Report. Addresses were listed for two of the sites, which are located several miles south of the subject property. The exact locations of the other three sites could not determined. However, they are unlikely to be located in the immediate vicinity of the subject property, as the types of businesses/properties listed are not present in the vicinity of the subject. All cases are also listed as being closed, and are therefore not likely to pose a risk to the subject property.

4.2.3. Supplemental Federal, State, and Local Lists

In addition to the ASTM Standard database search, Kleinfelder requested that FirstSearch provide information for the following supplemental databases: State Wells, Releases, Coal Gasification, Fire Insurance Map Coverage, Dry Cleaners, and Meth Labs.

None of these supplemental databases had listings.



4.2.4. Orphan (nongeocoded) List

Sites not plotted by FirstSearch due to poor or inadequate address information are nongeocoded and are referred to as orphan sites. There were a total of eight orphan sites. The summary report was reviewed to evaluate if Kleinfelder could ascertain their location (based upon local and general knowledge, and selected file review requests) and if so, whether these sites are a REC to the subject property. As discussed in Sections 4.2.1 and 4.2.2, the locations for five of the sites were found and assessed to be too distant to affect the subject property. The remaining three sites are also not likely to be in the vicinity of the subject property, and all cases have been closed.

4.3. OTHER RECORDS REVIEWED/AGENCIES CONTACTED

Kleinfelder reviewed the NDEP online databases for active and closed release cases. The subject property was not listed in the databases, and no facilities not previously identified in the FirstSearch report were listed.

Kleinfelder obtained the following file from the NDEP for review:

UST# 7-000775, Rebel Oil #78, 40 S. Highway 160: Information reviewed in the file indicated that four USTs are currently used at this facility, which is located directly southeast of the subject property across East Basin Avenue. The USTs include two 12,000-gallon gasoline USTs, a 4,000/8,000 multi-compartment gasoline UST, and a 6,000/6,000-gallon multi-compartment UST containing gasoline and diesel. They were installed in November 1998, are double-walled, and constructed of steel and fiberglass. Inventory control, automatic tank gauging, and interstitial monitoring are used as leak detection methods, and spill/overfill protection measures are installed. Product piping is constructed of FRP, and automatic line leak detectors are used.

Several inspection records were included in the file. The initial compliance inspection, conducted in May 1999, found that six inches of product was present in one of the sumps and that the leak detection sensor in the sump had been raised. The sump was subsequently pumped and the sensor was lowered to its proper position. Other violations regarding product and/or water in turbine sumps were noted during inspections performed in 2001, 2003, and 2010. In each case, the leak detection sensors were either not installed properly or were raised above the product/water level.



Other violations have included inadequate installation of automatic line leak detectors and spill buckets, and inadequate record keeping. Based on information in the file, each violation was resolved after notification letters from the NDEP were sent, and the facility currently appears to be compliant with UST regulations.

No releases have been reported for this facility, but documentation showed that product was present in turbine sumps on several occasions since this fuel station opened in 1998. There is a possibility that at least some product escaped the sumps and was released to soil and/or groundwater. Since this facility is located approximately 200 feet crossgradient from the subject property, it may pose a moderate risk to the subject property.

4.4. PHYSICAL SETTING SOURCE(S)

Table 4-2 presents information about the physical setting of the site. This information was obtained from published maps.

TABLE 4-2
PHYSICAL SETTING

Data	Source	General Information
USGS TOPOGRAPHIC QUADRANGLE	Pahrump, Nevada Quadrangle, 7.5 Minute Series (Topographic), Provisional Edition 1984	The subject property is located at an approximate elevation of 805 feet above mean sea level (msl) and the topographic relief slopes to the southwest. Land use in the vicinity of the site was depicted as a recreational and non-descriptive development.
SOIL TYPE	USDA-Natural Resources Conservation Service, Web Soil Survey (http://websoilsurvey.nrcs.us da.gov), accessed June 6, 2011.	Loam (Nopah loam) and very gravelly sandy loam/stratified cobbly coarse sand to extremely gravelly sand (Yermo, hot-Yermo-Arizo association)
OIL AND GAS FIELDS	NBMG, Bulletin 104 (Garr, et. al) and NBMG, Open-File Report 04-1 (Hess, et. al)	There are no oil and gas fields in the site vicinity. There are no oil or gas wells within a 1-mile radius of the subject property.



Information about the regional geology is presented on Table 4-3. This information was obtained from published data and maps, interviews with public agencies, and/or from previous investigations conducted by Kleinfelder or others in the vicinity of the subject property.

TABLE 4-3
REGIONAL GEOLOGY AND HYDROGEOLOGY

Physical Parameter	INFORMATION/COMMENTS
REGIONAL GEOLOGY (Source: NBMG, Preliminary Geologic Map of Pahrump Quadrangle, 1999)	Alluvial Fan remnants characterized by subdued bar and channel morphology, incipient desert pavement, weak rock varnish, and no to slight etching of carbonate surface clasts. Soils are typically A-C and A-Bk-C profiles with a 1- to 5-centimeter-thick, light brown, eolian epipedon (Av) and a 5- to 20-centimeter-thick, weak or nonexistent calcic horizon (Bk) with Stage I carbonate development. Mid to late Holocene age.
DEPTH TO REGIONAL GROUNDWATER (Source: Town of Pahrump Wellhead Protection Plan.)	The depth to groundwater in Pahrump ranges from less than 30 feet below land surface (bls) to several hundred feet under the alluvial fans east of Highway 160. Under the valley floor area, the depth generally ranges from 90 feet near Highway 160 to between 45 and 65 feet on the west side of the valley, except in the areas near Manse Spring, the Artesia development, and Stewart Valley where the groundwater is near land surface. General groundwater depth may be influenced by local pumping, rainfall, and irrigation patterns.
DIRECTION OF ANTICIPATED FLOW ¹ (Source: Town of Pahrump Wellhead Protection Plan.)	The estimated direction of groundwater flow beneath the subject property is reported to be southwest.
REGIONAL GROUNDWATER QUALITY PROBLEMS	No information on the regional groundwater quality is known.



TABLE 4-3 REGIONAL GEOLOGY AND HYDROGEOLOGY

Physical Parameter	INFORMATION/COMMENTS
WATER SUPPLY (Source: Town of Pahrump, wellhead protection plan)	The Town of Pahrump's water supply is through wells. A wellhead protection plan for the Town of Pahrump, dated March 2006 was reviewed. The document (reviewed on June 6, 2011) indicates that approximately 9,000 people get their water from the public water supply system. The remaining residences in Pahrump are not dependent upon public water supply systems and get their water from domestic wells. There are about 10,000 domestic wells in Pahrump Valley, and several hundred new domestic wells are drilled each year. There are no public water supply wells in the immediate vicinity of the subject property and therefore, the wellhead protection plan does not include the subject property and immediate vicinity in the wellhead protection area and contaminate source inventory analysis and discussion. This 66 page document is not included as an Appendix, but can be provided if requested.
FLOOD ZONE DESIGNATION (Source: Nye County Government Website, http://www.nyecounty.net)	According to FEMA Flood Insurance Rate Map (FIRM) for Nye County, Panel 8850 of 8900, Map Number 3203C8850E, effective date February 17, 2010, the subject property is not located within the 100-year flood zone.

Groundwater flow direction is based on regional information sources. Site-specific conditions may vary due to a variety of factors including geologic anomalies, utilities, nearby pumping wells (if present), and other developments.

4.5. USER PROVIDED INFORMATION

According to Client, the purpose for performing this Phase I ESA is to satisfy due diligence requirements. Information regarding current owner/occupant is listed in Table 4-4.



TABLE 4-4 OWNER/OCCUPANT INFORMATION

Entity	Name
OWNER	Town of Pahrump
PROPERTY MANAGER	Town of Pahrump
OCCUPANT	No current occupants. The subject property is currently an unused community center.

Interviews of key individuals ("Key Site Managers") are provided in Section 7. The following section presents information provided by the Client.

4.5.1. Title Records

A Preliminary Title Report or Chain-of-Title Report was not provided to Kleinfelder for review prior to production of this report. These documents may provide information about land including ownership and other interests in the land, easements, and liens. Not all liens, defects, and encumbrances affecting title to the land may be included on the Preliminary Title Report.

4.5.2. Environmental Liens and Activity Usage Limitations

As part of the ASTM E1527-05 process (ASTM E1527-05, Section 6.2), it is the User's responsibility to provide Environmental Liens and Activity Usage Limitations (AULs) information to the environmental professional (Kleinfelder), unless the agreed scope of services provides otherwise. Our scope of services did not include researching Environmental Liens and Activity Usage Limitations for the subject property, nor was that information provided to Kleinfelder to review.

4.5.3. Value Reduction

As part of the ASTM E1527-05 process (ASTM E1527-05, Section 6.5), the User must provide information regarding the prospective purchase price of the property relative to the fair market value of the subject property. If there appears to be a value reduction,



that reduction must be identified with respect to whether the difference could be attributed to environmental degradation of the property.

This Phase I ESA is not being completed for purchase and therefore, this portion of the Phase I ESA does not apply.

4.5.4. Other Information/Documents Provided

Except has discussed in Section 7 (Interviews) of this Report, no other information/documents were provided to Kleinfelder.



5 HISTORY OF THE SITE

The history of the site was researched to identify obvious uses. Historical land use was researched to the first developed use, or back to 1940, whichever was earlier or readily available. For the subject property, the earliest readily ascertainable historical reference available was 1943. Table 5-1 summarizes the availability of information reviewed during this assessment.

TABLE 5-1 HISTORICAL SOURCES

	Years reviewed	Availability
AERIAL PHOTOGRAPHS	1945,1953, 1973, 1983, 1990, 2006, 2010	Available
SANBORN FIRE INSURANCE MAPS	Not Applicable	No Coverage
LOCAL STREET DIRECTORIES	1992, 1995, 2004, 2007	Available
HISTORICAL TOPOGRAPHIC MAPS	1958, 1984	Available
BUILDING DEPARTMENT	None	None
PREVIOUS ASSESSMENT(S)	None	None
OTHER	None	None

5.1. AERIAL PHOTOGRAPHS

A review of historical aerial photography may indicate past activities at a site that may not be documented by other means, or observed during a site visit. The effectiveness of this technique depends on the scale and quality of the photographs and the available coverage. Aerial photographs were obtained from the historical photograph collection held by FirstSearch. Aerial photographs covering the years between 1945 and 2006 were available during the timeframe that this report was being prepared. The Nye County Assessor Website was reviewed for a current (2010) aerial photo review and is used for Plate 1. A tabulation of the aerial photographs reviewed is presented in Table 5-2.



TABLE 5-2 HISTORICAL AERIAL PHOTOGRAPHS REVIEWED

Date	Approximate Scale	Туре	Source	Quality
1945	1 inch = 750 feet	Black and White Monoscopic	Environmental FirstSearch	Fair
1953	1 inch = 750 feet	Black and White Monoscopic	Environmental FirstSearch	Fair
1983	1 inch = 750 feet	Black and White Monoscopic	Environmental FirstSearch	Fair
1990	1 inch = 750 feet	Black and White Monoscopic	Environmental FirstSearch	Good
2006	1 inch = 750 feet	Color Monoscopic	Environmental FirstSearch	Good
2010	Varies	Color Monoscopic	Nye County Assessor Website	Excellent

Note: Aerial photographs only provide information on indications of land use and no conclusions regarding the release of hazardous substances or petroleum products can be drawn from the review of photographs alone.

5.1.1. Subject property

The 1945 and 1953 aerial photographs show the subject property as undeveloped. The subject property boundaries are difficult to assess due to the lack of landmarks. In the 1973 photograph, it appears that the subject property is developed with the Bob Ruud Community Center. There are no significant changes to the subject property in the remainder of the aerial photographs.

The aerial photographs do not suggest the presence of RECs in association with the subject property.

5.1.2. Surrounding Areas

The 1945 and 1953 aerial photographs show no development in the vicinity of the subject property, with the exception of Highway 160. A few dirt roads are also present, and may be located in the vicinity of the subject property. However, the exact location



of the subject property is difficult to assess due to the lack of landmarks. The 1973 aerial photograph shows the park areas to the north and west of the subject property, and East Basin Avenue is also present. Some grading has been performed on the east side of North Highway 160. In the 1983 photograph, the Nye County administrative building to the north (at 250 North Highway 160) is visible, and additional grading to the northwest of the subject property has occurred for future residential development. In the 1990 photograph, a few new commercial properties are present to the east, across North Highway 160. The 2006 and 2010 photographs show that the shopping center and Rebel Oil fuel station have been constructed to the south across East Basin Avenue, and some residential development has occurred to the northwest of the subject property.

The aerial photographs do not suggest the presence of RECs.

5.2. FIRE INSURANCE MAPS

Fire insurance coverage maps, such as those maintained by The Sanborn Map Company, were produced for the purpose of assessing the potential fire hazard of a particular building or area. The maps generally show the type of building construction may show locations of stored chemicals, ASTs, USTs; and also often identify site uses and features not ordinarily available from other sources. These maps are generally available only for historically established urban and suburban areas. These historical fire insurance maps were maintained for various cities from 1867 through the 1950s.

Fire Insurance Maps provide historical land use information for some metropolitan areas and small established towns. The maps generally show the type of building construction, may show locations of stored chemicals, above ground storage tanks, underground storage tanks; and also often identify site uses and features not ordinarily available from other sources.

Kleinfelder requested a search of Fire Insurance Map Coverage by FirstSearch. FirstSearch indicated that coverage was not available for the site vicinity. A letter of no coverage is provided with the FirstSearch Report in Appendix B.



5.3. LOCAL STREET DIRECTORIES

Local Street Directories (City Directories) provide information regarding property occupants by address and are one means to evaluate past ownership and property usage. FirstSearch provided a review of City Directories from 1992 through 2007 for the subject property and nearby properties.

The address for the subject property is listed in the 2004 directory only as "Towns, Wanda", an apparent residential listing. Various listings are presented for nearby addresses starting in 2004, including listings for various "Nye County" offices and services. A copy of the City Directory review is included in Appendix D.

5.4. HISTORICAL TOPOGRAPHIC MAP REVIEW

Kleinfelder obtained information regarding historical topographic maps of the subject property vicinity from FirstSearch report. The topographic maps reviewed for this assessment are listed below in Table 5-3.

TABLE 5-3
HISTORICAL TOPOGRAPHIC MAPS REVIEWED

Year	Quadrangle	Series	Scale
1958	Pahrump, NV	15 minute	1:62,500
1984	Pahrump, NV	7.5 minute	1:24,000

5.4.1. Subject property

The 1958 historic topographic map shows no development on the subject property. The 1984 map show a small structure, which appears to be the Bob Ruud Community Center.

5.4.2. Surrounding Areas

The 1958 historic topographic map shows the presence of North Highway 160 to the east, and a few dirt roads in the immediate vicinity of the subject property. The 1984



map shows several additional roads and structures, including the Nye County administrative building to the north of the subject property.

5.5. BUILDING DEPARTMENT RECORDS

No Building Department records were reviewed. Nye County building records typically do not provide information related to environmental issues.

5.6. PREVIOUS ASSESSMENTS

No previous assessments were provided to Kleinfelder for review.



6 SITE RECONNAISSANCE

Kleinfelder's assessment activities included a site reconnaissance. This section summarizes the findings from the site reconnaissance.

6.1. METHODOLOGY AND LIMITING CONDITIONS

On June 1, Mr. Daniel Burns, a Kleinfelder employed State of Nevada Certified Environmental Manager (CEM), performed a site reconnaissance of the subject property and adjacent properties. During the visit, the weather was clear. There were no site access restrictions.

The site reconnaissance included a visual inspection of the site to assist in identifying the presence or likely presence of hazardous substances or petroleum hydrocarbons under conditions that indicate an existing release, a past release, or threat of release into structures, soil, groundwater, or surface water at the site. Observations of readily apparent environmental conditions are summarized in Table 6-1, and color photographs of the site are presented on Plates 3 through 5.

6.2. GENERAL SITE SETTING

The subject property is located at the northwest corner of East Basin Avenue and North Highway 160 in the Town of Pahrump, in Nye County, Nevada. The property is addressed as 150 North Highway 160. The subject property is referred to as the Bob Ruud Community Center. It is an approximately 7,000 square foot single story building.

6.3. SITE OBSERVATIONS

General site observations are further described in Table 6-1, and Table 6-2 further describes the interior and exterior observations as well as observed environmental conditions that may involve the use, storage, disposal or generation of hazardous substances or petroleum products.



TABLE 6-1 SITE OBSERVATIONS

GENERAL OBSERVATIONS	REMARKS	OBSERVED	NOT OBSERVED
Current use of Subject Property	Community Center	Х	
Current use of Subject Property likely to indicate RECs			×
Past use of Subject Property			×
Past use of Subject Property likely to indicate RECs			×
	North – Park, consisting of baseball/softball field.		
	East – Parking area, with Highway 160 beyond.		
Current use of adjoining properties	South – Pahrump Valley Junction Shopping Center (separated from the subject property by East Basin Avenue).	X	
	West – Park, consisting of basketball court, with playground and tennis courts beyond.		
Current use of adjoining properties likely to indicate RECs			х
Past use of adjoining properties			X
Past use of adjoining properties likely to indicate RECs			х
Topography of site and surrounding area		Х	



TABLE 6-1 SITE OBSERVATIONS

GENERAL OBSERVATIONS	REMARKS	OBSERVED	NOT OBSERVED
Structures	Community Center	X	
Roads		X	
Potable Water Supply			X
Sewage Disposal System	Septic/leach field systems	X	

TABLE 6-2
INTERIOR AND EXTERIOR OBSERVATIONS

Interior and exterior ob conditions that may inv disposal or generation petroleum products.	OBSERVED	NOT OBSERVED	
Aboveground storage tank (AST)	Propane tank on north side of subject property, supplying propane to building.	X	
Air emissions			X
Asbestos and lead	Refer to Sections 6.5 (asbestos survey) and 6.6 (lead based paint survey)	X	
Below grade vaults			X
Burned or buried debris			X
Chemical storage	Containers of floor cleaning/sealing/polishing chemicals; paint; restroom cleaning chemicals; and sodium hydroxide, and lacquer thinner, located in an interior supply closet.	X	
Chemical mixing areas			X
Discolored soil or water			X
Ditches, streams			X



TABLE 6-2 INTERIOR AND EXTERIOR OBSERVATIONS

Interior and exterior ob conditions that may inv disposal or generation petroleum products.	OBSERVED	NOT OBSERVED	
Drains and piping (e.g. floor drains, floor trenches, bay drains, sand traps, grease traps)			X
Drums			X
Electrical or hydraulic equipment (polychlorinated biphenyls [PCBs])			X
Farm waste (e.g. feedlot spoils or manure stockpile)			×
Fill dirt from an unknown source.			Х
Fill dirt from a known source			X
Hazardous chemical and petroleum products in connection with known use.			X
Hazardous chemical and petroleum products in connection with unknown use.			X
Non-hazardous containers with contents	Containers of floor cleaning/sealing/polishing chemicals; paint; restroom cleaning chemicals; and sodium hydroxide, and lacquer thinner, located in an interior supply closet.	X	
Hazardous waste storage			X
Heating and cooling system and fuel source	Propane	Х	



TABLE 6-2 INTERIOR AND EXTERIOR OBSERVATIONS

Interior and exterior ob conditions that may inv disposal or generation petroleum products.	OBSERVED	NOT OBSERVED	
Industrial waste treatment equipment			Х
Loading and unloading areas			X
Odors		-	Х
Pits, ponds, or lagoons			X
Pools of liquid			Х
Process waste water			Х
Septic system (e.g. tank and leach fields)	There are reportedly two septic systems, but they were not observable.		Х
Soil piles			X
Solid waste/evidence of Unauthorized Dumping			Х
Stained pavement, soil or concrete	Stained soil in area of leach field.	х	
Stains or corrosion (interior, non-water)			Х
Storm drains/catch basins			Х
Stressed vegetation			X
Sumps and clarifiers			X
Surface water			X
Underground storage tank(s) (including heating oil tanks)			Х
Unidentified substance containers	In supply closet, an approximate 2 gallon dispensing container was observed without visible labeling	Х	
Waste water discharge			Х



TABLE 6-2 INTERIOR AND EXTERIOR OBSERVATIONS

Interior and exterior observations or environm conditions that may involve the use, storage, disposal or generation of hazardous substance petroleum products.	ORSERVED NOT
Water supplies (potable and process)	Х
Wells (irrigation, monitoring, or domestic)	X
Wells (dry)	X
Wells (oil and gas)	X



6.4. RESULTS OF SITE RECONNAISSANCE

At the time of our site reconnaissance, we observed 5-gallon size containers of corrosive liquids, floor stripping, cleaning and sealant products and some smaller containers of cleaning supplies, within a supply closet. One of the containers, containing an unidentified resin type material, had leaked.

On the exterior, an AST containing propane was observed. Surface staining was on the access road to the park grounds, located between the Subject property and the propane AST. This staining appears to be in the area where one of the two septic tanks was reported to be located.

The site perimeter was walked and adjacent properties observed (as viewable from the subject property and public rights of way). A Rebel Oil fuel station, with USTs, is located on the south adjacent property (separated from the subject property by East Basin Avenue).

6.5. LIMITED ASBESTOS SURVEY

On June 1, 2011, a LAS was conducted at the Bob Ruud Community Center. The survey was performed by a State of Nevada Licensed Asbestos Abatement Consultant accredited under the AHERA. The purpose of this LAS was to evaluate the location, condition and quantity of potentially hazardous ACM with asbestos content greater than 1%, which may present a worker safety hazard and/or might require special handling and waste disposal as part of renovation or demolition.

Mr. Brian Loffman (BEC Environmental), a Nevada Asbestos Consultant-Inspector (I-1561) performed the LAS. BEC Environmental is a subcontractor to Kleinfelder for NDEP Contract 10-008. All samples were submitted to Fiberquant Analytical Services (Fiberquant) located in Phoenix, Arizona. Fiberquant is certified under the USEPA's National Voluntary Laboratory Accreditation Program (NVLAP). A total of 110 bulk samples of suspect ACM were collected and submitted to Fiberquant. Typical suspect ACM's samples collected and submitted for laboratory analysis included resilient floor tile and mastic, ceiling tile, composite roofing material and mastic, gypsum wallboard and surface texture and cove base and mastic.



The sampling strategy complied with the sampling protocol established under AHERA (40 CFR 763.86) with primary emphasis on following the '3-5-7' rule, meaning three samples from less than 1,000 square feet area, five samples from 1,000 to 5,000 square feet area, and seven samples from greater than 5,000 square feet area. Samples were handled with accepted procedures for the collection, packaging, chain-of-custody documentation and transport of bulk samples to the laboratory for analysis. Once the homogenous areas have been identified for each like material, the required amount of samples of each type of suspect ACM will be collected for analysis. Bulk samples of suspect ACM were collected by spraying the suspect material with amended water, where appropriate, removing a small portion of the material, and placing it into a laboratory-provided or generic zip-lock plastic bag. All suspect materials sampled were identified on a building floor plan diagram with an identifying sample number (Figure 1, Appendix F). A Chain of Custody record was prepared to accompany bulk samples to the laboratory (Appendix F).

Based on our observations and a review of the laboratory analytical reports, the following estimated quantities of suspect ACMs are confirmed to be present:

- An estimated 7,000 square feet of exterior roofing system consisting of multiple layers of asphaltic ply, black mastic, caulk and paint ranging between 1% to 20% chrysotile asbestos (Samples RF-ACM-003c through RF-ACM-009j) located on the roof (Area 1). The roofing material ACM was observed to be in good condition and is classified as Category I non-friable ACM. Removal would be considered Class II asbestos work.
- An estimated 100 square feet of beige resilient floor tile and yellow mastic ranging between 5% to 10% chrysotile asbestos (Samples SR-ACM-004d through SR-ACM-006f) located in the storage room (Area 2). The storage room resilient floor tile and yellow mastic ACM was observed to be in good condition and is classified as Category I non-friable ACM. Removal would be considered Class II asbestos work.
- An estimated 150 square feet of grey resilient floor tile and brown mastic ranging between 2% to 5% chrysotile asbestos (Samples ENT-ACM-004d through ENT-ACM-006f) located in the entryway (Area 3). The entryway resilient floor tile and



brown mastic ACM was observed to be in good condition and is classified as Category I non-friable ACM. Removal would be considered Class II asbestos work.

Table F-1 (Summary of LAS Results), Figure 1 (Sample Location Map), photos, and a copy of the asbestos analytical laboratory report and chain-of-custody forms are provided in Appendix F.

Applicable Regulations- ACM

In Nye County, enforcement of the asbestos National Emission Standard for Hazardous Air Pollutants (NESHAP) regulation 40 CFR Part 61, Subpart M is overseen by US EPA Region 9, in San Francisco. The Asbestos NESHAP regulations must be followed for renovations of facilities with at least 160 square feet of RACM. Non-friable ACM that has been damaged during a renovation or demolition causing the material to be crumbled, pulverized or reduced to powder is covered by the NESHAP regulation for wetting and containment of the material during removal. After wetting, asbestos waste must be placed in leak-tight containers and labeled with the name of the waste generator and the location in which the waste was generated. An OSHA warning label must also be used. The waste must be transported in covered vehicles to prevent visible emissions and deposited at an acceptable waste disposal site. A more complete regulatory overview is presented in Appendix E.

Recommendations- ACM

Since all ACM appears to be in good condition, it does not currently pose a hazard and need not be removed. If removal of the undamaged ACM is to occur in the future as part of renovation of the building, a State of Nevada asbestos contractor should be contracted to perform the work. Contractors performing work that disturbs ACM at the site should implement appropriate work practices in accordance with applicable Federal and Nevada worker exposure regulations

If demolition is planned, all friable ACM's must be removed by a licensed asbestos abatement contractor prior to demolition activities. Non-friable ACM's that may become friable during demolition activities must also be removed prior to demolition. It is recommended that abatement plans and specifications be prepared by an AHERA



accredited project designer who is independent of the abatement contractor. While non-friable ACM's may be removed by other than a licensed asbestos abatement contractor, it is recommended that all ACM's be removed by a licensed contractor prior to demolition activities. Non-friable ACM's should be handled, transported and disposed of in such a way as to prevent the material from becoming friable and potentially releasing asbestos fibers.

Prior to abatement, notification should be made to Mr. Bob Trotter, the USEPA National NESHAP coordinator, located in San Francisco, California about the removal at least 10 working days prior to the beginning of the project.

6.6. LEAD BASED PAINT SURVEY

On June 1, 2011, Kleinfelder personnel conducted a visual survey and collected paint chip samples of suspected LBP on painted building components and/or coatings of the Bob Ruud Community Center. Mr. Daniel Burns, holds USEPA Lead Paint Risk Assessor certification in Nevada (NV-R-11723-3) performed the survey.

Performance of this survey allows for the Town of Pahrump to have information for compliance with the OSHA construction regulations under CFR 1926.62, which require an employer to identify potential lead hazards for workers and meet requirements of the standard.

During the LBP survey, Kleinfelder observed no damaged paint (cracked, chipped, and/or peeling) on the accessible interior areas of the structure. We did however observe cracking, chipping, peeling and/or delamination of exterior paint and window caulking, as a result of moisture, wear, heat, and/or age.

One sample was collected from each color of paint and window caulking. All samples were submitted to Fiberquant for analysis using Flame Atomic Adsorption Spectroscopy (Flame AA) in accordance with the EPA's Standard Operating Procedures for Lead in Paint by Atomic Adsorption Spectroscopy (AAS). Fiberquant is accredited under the American Industrial Hygiene Association (AIHA) Environmental Lead Laboratory Accreditation Program (ELLAP), which is an approved lead laboratory accreditation program under the EPA's National Lead Laboratory Accreditation Program (NLLAP).



The LBP survey consisted of sampling the following specific media.

- a. Five paint chip samples were collected from interior paint that was visually observed to be a different color and/or on different substrates.
- b. Five paint chips were collected from exterior paint that was visually observed to be a different color and/or on different substrates.
- c. Three samples were collected from window caulking.

For twelve of thirteen paint chip samples (LBP-01 through LBP-11 and LBP-13), analytical results were reported by Fiberquant to be beneath their laboratory detection limit (ranging between 33 to 50 ppm). Paint chip sample LBP-12, collected from roof cap flashing, was reported by Fiberquant to contain a lead concentration of 89 ppm, or 0.0089 percent lead by weight (% by weight).

A summary of Kleinfelder's lead based paint survey analytical results is provided in Table 6-4. The lead based paint sample location map is provided as Plate 7. Copies of the lead paint analytical laboratory report and chain-of-custody forms are provided in Appendix H.



TABLE 6-4 LEAD BASED PAINT ANALYTICAL RESULTS

Sample No.	Sample Location and Description	Lead Content (ppm)
LBP-01	Blue painted, interior stage handrail (wood substrate)	<43
LBP-02	White painted interior wallboard (wallboard substrate)	<48
LBP-03	White painted interior 16" x 8" concrete masonry unit wall (concrete substrate)	<50
LBP-04	White painted, interior 16" x 3.5" brick wall (concrete brick substrate)	<50
LBP-05	Tan painted, exterior roof flashing (metal substrate)	<45
LBP-06	Brown painted, exterior roof flashing/trim (metal substrate)	<49
LBP-07	Tan painted, exterior block wall (concrete substrate)	<49
LBP-08	Blue painted exterior stoop/stairs (concrete substrate)	<47
LBP-09	Tan interior window caulk	<49
LBP-10	White painted exterior window caulk	<46
LBP-11	Brown painted exterior hand railing (wood substrate)	<47
LBP-12	Brown/green undercoat painted Roof cap flashing (metal substrate)	89
LBP-13	Grey exterior window caulk	<33

Applicable Regulations- LBP

The EPA and US Department of Housing and Urban Development (HUD) define LBP as paints containing greater than 0.5% by weight, which is equivalent to 5,000 ppm.



Federal OSHA and Nevada OSHA regulations (Lead Construction Standard) do not provide a definition for "lead-based paint," but refer to the EPA and HUD values discussed above. Nevada OSHA is primarily concerned with worker protection, and regulates any amount of lead contained within painted building components. A more complete regulatory overview is presented in Appendix G.

Recommendations-LBP

The 89 ppm lead concentration reported for the roof cap flashing is not considered to be LBP, and the low concentration is unlikely to cause exposure concerns to site workers. However, OSHA considers it to be lead-containing and therefore, removal of the deteriorated paint and/or the cap flashing should be conducted in accordance with OSHA regulations. There are two OSHA lead standards and they are summarized in Appendix G.



7 INTERVIEWS

Key Site Managers are contacted to obtain current and historical environmental information concerning the subject property. The "Key Site Manager" of the subject property is Mr. Matt Luis, Town of Pahrump Buildings & Grounds Manager.

7.1. INTERVIEW WITH OWNER REPRESENTATIVE

Kleinfelder conducted an interview with Matt Luis during the site reconnaissance portion of this Phase I ESA. Mr. Luis indicated that he had no knowledge of environmental concerns. He indicated the facility used propane and had two septic systems with leach fields. One, located to the north of the building and the second, located on the west side of the building.

Mr. Luis was subsequently asked about chemicals stored on site and a previous environmental cleanup noted in a User Questionnaire provided by the Client (Section 7.2). Mr. Luis indicated that only standard, over-the-counter cleaning supplies and paints were stored on the subject property. To his knowledge, no hazardous materials have been used or stored on the subject property. He also indicated that the previous environmental cleanup consisted of abatement of mold caused by water intrusion in the building.

7.2. INTERVIEW WITH CLIENT

The Pahrump Town Manager, Mr. William Kohbarger, was provided a User Questionnaire (included in Appendix C). According to the User Questionnaire, there are no known environmental cleanup liens or activity use limitations associated with the subject property. Mr. Kohbarger noted that he was not aware of any spills, but had knowledge of chemicals stored on site and of a previous environmental cleanup that occurred on the subject property. Mr. Luis (see Section 7.1) clarified information regarding the chemicals and environmental cleanup.



7.3. INTERVIEW WITH OTHERS

No others were interviewed.



8 EVALUATION

Kleinfelder performed this ESA of the subject property in conformance with the scope and limitations of ASTM Standard Practice E1527-05. The following sections describe Kleinfelder's findings and provide general background information about the site. Findings include RECs, historical RECs, and notation of deminimus quantities, as applicable to the subject property. Business environmental risk issues are discussed in Section 8.3, Deviations. In summary, Kleinfelder's assessment revealed the following information about the subject property:

8.1. BACKGROUND

The subject property is a single story structure, approximately 7,000 square feet in size, located at 150 N. Highway 160, in Pahrump, Nevada. The subject property is referred to as the Bob Ruud Community Center.

8.2. FINDINGS AND OPINIONS

An historical profile of the subject property was developed using information obtained during our review of regulatory databases and one or more of the following historical sources: aerial photographs, topographic maps, fire insurance maps, and street directories.

The subject property does not appear on any of the federal, state, and/or local environmental databases reviewed.

There were no *recognized environmental conditions* (REC, as defined in Section 2.1) noted for the subject property during the preparation of this Phase I ESA. However, the following conditions of potential environmental concern were noted:

Poor best management practices were observed in the supply storage closet.
 Spilled floor seal/resin type material was observed.



• Surface stained soil was observed in the area where one of the two septic/leach fields areas is reportedly located.

There were no *historic recognized environmental conditions* (historic REC, as defined in Section 2.1) noted for the subject property during the preparation of this Phase I ESA.

8.3. DEVIATIONS AND ADDITIONAL SERVICES

The scope of work for this Phase I ESA included an LAS and an LBP survey:

Limited Asbestos Survey

Based on our observations and a review of the laboratory analytical reports, the following estimated quantities of suspect ACMs are confirmed to be present:

- An estimated 7,000 square feet of exterior roofing system consisting of multiple layers of asphaltic ply, black mastic, caulk and paint ranging between 1% to 20% chrysotile asbestos (Samples RF-ACM-003c through RF-ACM-009j) located on the roof (Area 1). The roofing material ACM was observed to be in good condition and is classified as Category I non-friable ACM. Removal would be considered Class II asbestos work.
- An estimated 100 square feet of beige resilient floor tile and yellow mastic ranging between 5% to 10% chrysotile asbestos (Samples SR-ACM-004d through SR-ACM-006f) located in the storage room (Area 2). The storage room resilient floor tile and yellow mastic ACM was observed to be in good condition and is classified as Category I non-friable ACM. Removal would be considered Class II asbestos work.
- An estimated 150 square feet of grey resilient floor tile and brown mastic ranging between 2% to 5% chrysotile asbestos (Samples ENT-ACM-004d through ENT-ACM-006f) located in the entryway (Area 3). The entryway resilient floor tile and brown mastic ACM was observed to be in good condition and is classified as Category I non-friable ACM. Removal would be considered Class II asbestos work.



LBP Survey

One paint chip sample (LBP-12), collected from roof cap flashing, contained a lead concentration of 89 ppm, or 0.0089 percent by weight. The 89 ppm lead concentration reported for the roof cap flashing is not considered to be LBP, and the low concentration is unlikely to cause exposure concerns to site workers. However, OSHA considers it to be lead-containing and therefore, removal of the deteriorated paint and/or the cap flashing should be conducted in accordance with OSHA regulations. There are two OSHA lead standards and they are summarized in Appendix G.

Other ASTM Standard non-scope considerations, such as radon, lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, and high voltage power lines.

8.4. CONCLUSIONS AND RECOMMENDATIONS

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527 on the subject property located at 150 North Highway 160, located in Pahrump Nevada and known as the Bob Ruud Community Center. Any exceptions to, or deviations from, this practice are described in Section 8.3 of this report. This assessment revealed no evidence of RECs in connection with the subject property. However, the following conditions of potential environmental concern were noted:

- Poor best management practices were observed in the supply storage closet.
 Spilled floor seal/resin type material was observed. Kleinfelder recommends that spills be cleaned and leaking containers be appropriately disposed.
- Surface stained soil was observed in the area where one of the two septic/leach fields areas is reportedly located. The Town of Pahrump should verify whether the surface staining is located above the septic/leach field and if so evaluate if the septic/leach field is functional.



Asbestos

The LAS revealed the presence of approximately 7,000 square feet of exterior roofing system ACM, 100 square feet of beige resilient floor tile and yellow mastic ACM, 150 square feet of grey resilient floor tile and brown mastic ACM. Since all ACM appears to be in good condition, it does not currently pose a hazard and need not be removed. If removal of the undamaged ACM is to occur in the future as part of renovation of the building, a State of Nevada asbestos contractor should be contracted to perform the work. Contractors performing work that disturbs ACM at the site should implement appropriate work practices in accordance with applicable Federal and Nevada worker exposure regulations.

If demolition is planned, all friable ACM's must be removed by a licensed asbestos abatement contractor prior to demolition activities. Non-friable ACM's that may become friable during demolition activities must also be removed prior to demolition. It is recommended that abatement plans and specifications be prepared by an AHERA accredited project designer who is independent of the abatement contractor. While non-friable ACM's may be removed by other than a licensed asbestos abatement contractor, it is recommended that all ACM's be removed by a licensed contractor prior to demolition activities. Non-friable ACM's should be handled, transported and disposed of in such a way as to prevent the material from becoming friable and potentially releasing asbestos fibers.

LBP

The LBP survey did not reveal the presence of LBP, but one paint chip sample collected from roof cap flashing contained a low lead concentration (89 ppm) identifying the presence of low concentration lead-containing paint. This paint is not considered to be LBP, and the low concentration is unlikely to cause exposure concerns to site workers. However, OSHA considers it to be lead-containing and therefore, removal of the deteriorated paint and/or the cap flashing should be conducted in accordance with OSHA regulations. There are two OSHA lead standards and they are summarized in Appendix G.



8.4.1. Data Gaps

Consistent with ASTM Standard Practice E 1527-05 (Section 12.7), no data failures (data gaps) have been identified.



9 REFERENCES

- American Society for Testing and Materials (ASTM), 2005. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process; ASTM Designation E 1527-05, November 14, 2005.
- dePolo, Craig M., Ramelli, Allan R., and Bell, John W, 1999. Preliminary Geologic Map of the Pahrump Quandrangle, Nye County, Nevada. Nevada Bureau of Mines and Geology Open-File Report 99-14 (revised 6-11-09).

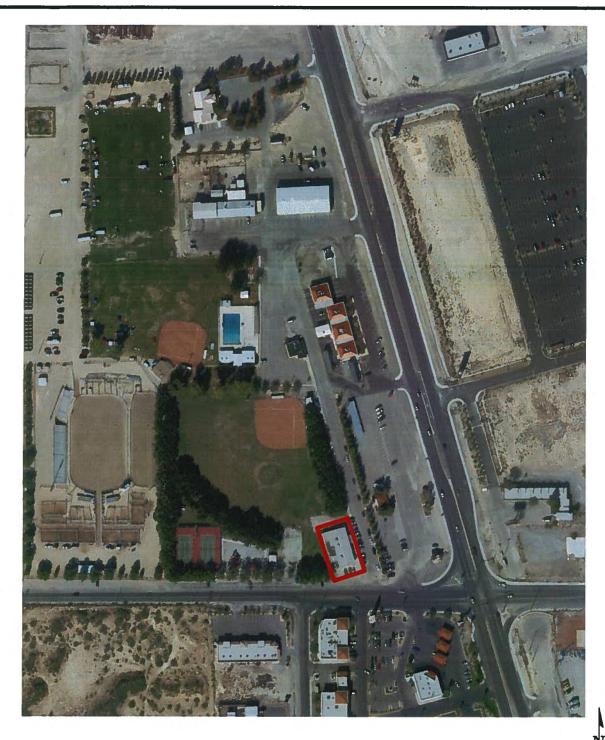
Nye County Government, http://www.nyecounty.net

Town of Pahrump Wellhead Protection Plan, http://www.pahrumpnv.org/pahrumpnevada/documents/pahrump-wellhead-protection-plan/

Track Info Services, Environmental FirstSearchTM, 2011.

- United States Geologic Survey, Provisional Edition 1984. Pahrump Nev. Quadrangle, 7.5 Minute Series (Topographic).
- United States Geologic Survey, 1958. Pahrump, Nev.-Calif. Quadrangle, 15 Minute Series (Topographic).
- Additional sources are provided in Appendix D and also may be referenced separately in the report text.

PLATES



Map Source: Nye County Online Parcel Map



Original in Color

KLEINFELDER

6380 South Polaris Avenue Las Vegas, Nevada 89118 Ph. (702) 736-2936 Fax. (702) 361-9094

Drawn by: PJT

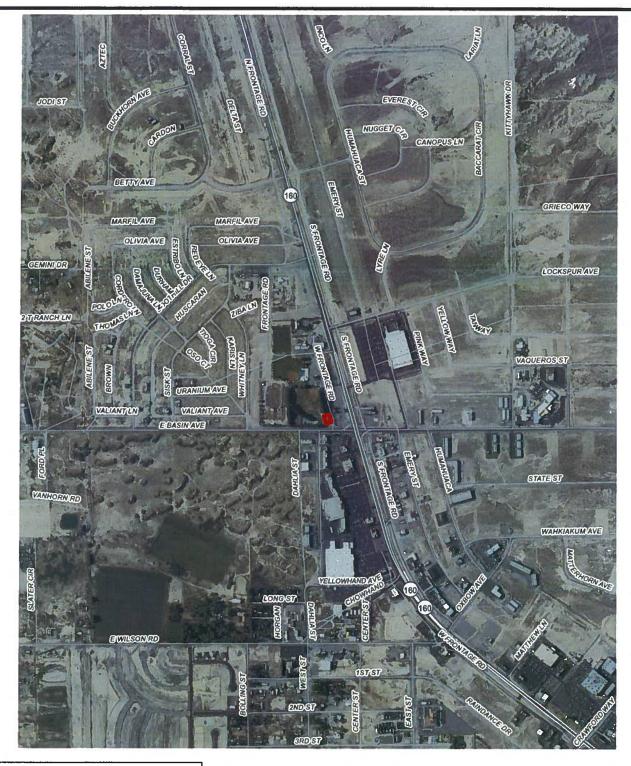
Checked by: JPF

SUBJECT SITE AND VICINITY MAP

Bob Ruud Community Center 150 North Highway 160 Pahrump, Nye County, Nevada

Date: 06-14-11 PROJECT NO.: 117801.01

PLATE



Map Source: The U.S. National Map **Subject Property**



KLEINFELDER

6380 South Polaris Avenue Las Vegas, Nevada 89118 Ph. (702) 736-2936 Fax. (702) 361-9094

Drawn by: PJT Checked by: JPF

Date: 06-14-11

Bob Ruud Community Center 150 North Highway 160 Pahrump, Nye County, Nevada

AERIAL VIEW OF SUBJECT SITE

PROJECT NO.: 117801.01

PLATE

2



Bob Ruud Community Center



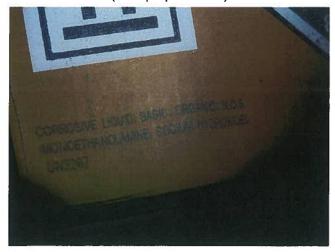
Above ground Propane tank



Stained surface – in area of reported septic tank (near propane tank)



Storage/supply closet



Corrosive liquid in storage /supply closet



Portion of building with containment (mold remediation) Original in Color

KLEINFELDER

6380 South Polaris Avenue Las Vegas, Nevada 89118 Ph. (702) 736-2936 Fax. (702) 361-9094

Drawn by: DCB | Checked by: PJT

Date: 06/15/11

Bob Ruud Community Center 150 North Highway 160 Pahrump, Nye County, Nevada

PROJECT NO.: 117801.01

SITE PHOTOGRAPHS

PLATE

3



Adjacent property - shopping center with Rebel Oil Fuel Station



Adjacent property – park complex



Adjacent property – park complex



Adjacent property, access road to park complex



Interior of Community Center



Interior of Community Center

Original in Color

KLEINFELDER

6380 South Polaris Avenue Las Vegas, Nevada 89118 Ph. (702) 736-2936 Fax. (702) 361-9094

Drawn by: DCB | Checked by: PJT

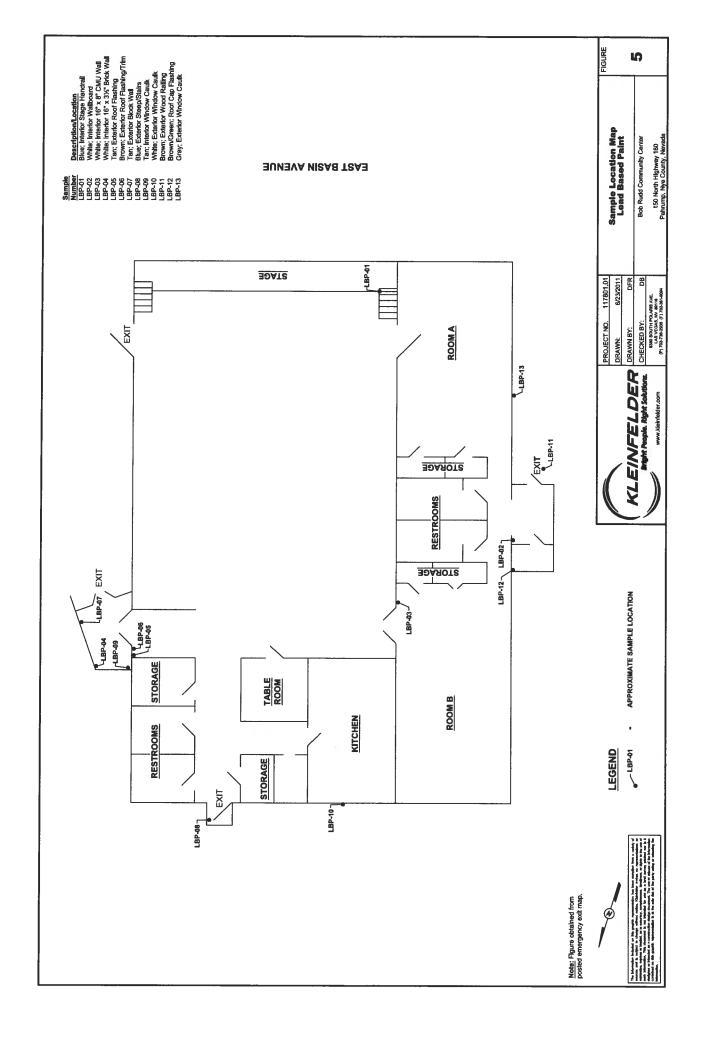
Date: 06/15/11

Bob Ruud Community Center 150 North Highway 160 Pahrump, Nye County, Nevada

PROJECT NO.: 117801.01

SITE PHOTOGRAPHS

PLATE



APPENDIX A

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS



STATEMENT OF QUALIFICATIONS

I declare that to the best of my [our] professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in CFR Part 312.

Daniel C. Burns, CEM

Daniel C Buns

Project Geologist

Phil J. Tousignant, CEM Environmental Scientist

Joshua P. Fortmann, CEM Project Manager



Employee Bios:

Daniel C. Burns, CEM

BS, Geology. University of Southern Colorado, Colorado, 1985 BS, Civil Engineering-Technology. Metropolitan State College of Denver, Colorado, 1989

Certified Environmental Manager (C.E.M.), No. 1692, NDEP, NV

Since 1989. Mr. Burns has conducted geologic engineering/environmental investigations for hazardous and non-hazardous wastes for commercial, municipal, public utilities, and DOD (USAF & USMC) projects in Arizona, California, Hawaii and Nevada. The projects involved exploration drilling, soil and groundwater sampling, monitor well installation and development, analytical laboratory analysis, underground storage tank removal, remediation, and final report preparation. He has provided remediation construction management oversight services for commercial development, shipping and transportation projects. The projects included preparation, submittal, review, and approvals of soils and groundwater management plans, contractor specifications, in addition to contractor oversight. He has conducted Property Condition Evaluations for residential and commercial properties, including Property Condition Assessments, Phase I Environmental Site Assessments, clandestine lab substance residue testing, asbestos evaluations for renovations and/or demolition projects, and lead-based paint sampling and assessments for OSHA Worker safety compliance.

Phil J. Tousignant, CEM

BS, Biology, University of Nevada, Reno, Nevada, 2000 Certified Environmental Manager (C.E.M.), No. 2001, NDEP, NV

Mr. Tousignant has 10 years of experience working in environmental, geotechnical, and biological fields. His project experience includes a broad spectrum of disciplines, including environmental and geotechnical drilling, soil and groundwater sampling, soil and groundwater remediation, Phase I/Phase II site assessments, borehole logging, and monitoring well installation.



Joshua P. Fortmann, CEM

BS, Geology. University of Nevada, Reno, Nevada, 1993 Certified Environmental Manager (C.E.M.), No.1730, NDEP, NV

Mr. Fortmann has over 15 years of experience and has a broad range of expertise in drinking water, surface water, groundwater, and surface and subsurface soils sampling for environmental testing. He is experienced with Phase I and II site assessments, and materials testing procedures. He has prepared ESA reports, groundwater, air and soils monitoring reports, and is familiar with permitting for soil disposal and well drilling. With a strong educational background in geology and four year's experience, he is familiar with field sampling/testing of soils, concrete and asphalt. He has provided testing and field services for construction of underground storage tank fuel systems, roadways, parking lots, commercial and federal buildings, and curbs, gutters and sidewalks.

APPENDIX B FirstSearch RADIUS MAP REPORT

TRACK ➤ INFO SERVICES, LLC

Environmental FirstSearch™ Report

Target Property: BOB RUUD COMMUNITY CENTER

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

Job Number: 117801.01

PREPARED FOR:

Kleinfelder 6380 South Polaris Ave Las Vegas, NV 89118

06-02-11



Tel: (866) 664-9981

Fax: (818) 249-4227

Environmental FirstSearch Search Summary Report

Target Site: 150 NORTH HIGHWAY 160 PAHRUMP NV 89048

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	04-01-11	1.00	0	0	0	0	0	0	0
NPL Delisted	Y	04-01-11	0.50	0 0	0	0	0 0	0	0	0
CERCLIS	Y	03-31-11	0.50	0	0	0	0	-	0	0
NFRAP	Y	03-31-11	0.50	0	0	0	-	-	•	•
RCRA COR ACT	Y	03-31-11	1.00	0	0	0	0	-	0	0
RCRA TSD	Y	03-10-11	0.50	0	0	0	0	0	0	0
RCRA GEN	Y	03-10-11	0.30	0	0	1	0	-	0	0
RCRA GEN RCRA NLR	Y	03-10-11		-	•	1	-	-	0	1
	_		0.12	0	0	-	-	-	0	0
Federal Brownfield	Y Y	05-04-11	0.50	0	0	0	0	-	3	3
ERNS	_	04-18-11	0.12	0	0	-	-	-	0	0
Tribal Lands	Y	12-01-05	1.00	0	0	0	0	0	0	0
State/Tribal Sites	Y	04-28-11	1.00	0	0	0	0	1	5	6
State Spills 90	Y	01-06-11	0.12	0	0	-	-	-	0	0
State/Tribal SWL	Y	05-19-11	0.50	0	0	0	0	-	0	0
State/Tribal LUST	Y	04-28-11	0.50	0	0	0	2	-	0	2
State/Tribal UST/AST	Y	04-28-11	0.25	0	1	0	-	-	0	1
State/Tribal EC	Y	NA	0.50	0	0	0	0	-	0	0
State/Tribal IC	Y	NA	0.25	0	0	0	-	-	0	0
State/Tribal VCP	Y	NA	0.50	0	0	0	0	-	0	0
State/Tribal Brownfields	Y	04-28-11	0.50	0	0	0	0	-	0	0
Releases	Y	04-18-11	0.12	0	0	-	-	-	0	0
Coal Gasification	Y	12-31-05	0.25	0	0	0	-	-	0	0
FI Map Coverage	Y	04-22-10	0.12	0	0	-	-	-	0	0
Federal IC/EC	Y	05-16-11	0.50	0	0	0	0	-	0	0
Dry Cleaners	Y	NA	0.25	0	0	0	-	-	0	0
Meth Labs	Y	10-21-10	0.12	0	0	-	-	-	0	0
Vapor Intrusion	Y	03-06-08	0.25	0	0	0	-	-	0	0
- TOTALS -				0	1	1	2	1	8	13

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to TRACK Info Services, certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in TRACK Info Services's databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although TRACK Info Services uses its best efforts to research the actual location of each site, TRACK Info Services does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of TRACK Info Services's services proceeding are signifying an understanding of TRACK Info Services's searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

Environmental FirstSearch Site Information Report

Request Date: Requestor Name: 06-02-11 dan burns Search Type: Job Number: COORD 117801.01

Standard:

AAI

Filtered Report

Target Site: 150 NORTH HIGHWAY 160

PAHRUMP NV 89048

Demographics

Sites:

13

Non-Geocoded: 8

Population:

NA

Radon: NA

Site Location

\mathbf{p}	egrees	(Decimal)	

Degrees (Min/Sec)

UTMs

Longitude:

-115.994918

-115:59:42

Easting:

590337.785

Latitude:

36.219275

36:13:9

Northing:

4008536.827

Elevation:

2634

Zone:

11

Comment

Comment:

Additional Requests/Services

Adi	acent	7IP	Codes:
Au	MCCHIL.		Coucs.

1 Mile(s)

Services:

ZIP Code City Name	ST Dist/Dir Se
Code City Name	SI DISUDII SE
89060 PAHRUMP	NV 0.02 NE Y

	Requested?	Date
ire Insurance Maps	No	
Aerial Photographs	No	
listorical Topos	No	
City Directories	No	
itle Search/Env Liens	No	
Iunicipal Reports	No	
Online Topos	Yes	06-02-13

Environmental FirstSearch Sites Summary Report

Target Property:

150 NORTH HIGHWAY 160 PAHRUMP NV 89048

JOB: 117801.01

TOTAL:

13

GEOCODED: 5

NON GEOCODED: 8

SELECTED: 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
1	UST	REBEL OIL CO 78 7-000775/REGISTERED UST	40 S HWY 160 PAHRUMP NV 89048	0.09 SE	+8	2
2	RCRAGN	HOME DEPOT USA HD3322 NVR000083584/SGN	301 NORTH HIGHWAY 160 PAHRUMP NV 89060	0.13 NW	- 2	5
3	LUST	NYE COUNTY MAINTENANCE YARD 7-000761/CLOSED	HIGHWAY 160 AND BOOTHILL DR PAHRUMP NV	0.44 NW	- 9	6
4	LUST	PREFERRED EQUITIES 7-000126/CLOSED	220 HIGHWAY 160 AND 372 PAHRUMP NV	0.47 SE	+ 20	6
5	STATE	D AND M PARTNERS G-000941/CLOSED	370 GEMINI PAHRUMP NV 89048	0.75 NW	- 26	7

Environmental FirstSearch Sites Summary Report

Target Property:

150 NORTH HIGHWAY 160 PAHRUMP NV 89048

JOB: 117801.01

TOTAL:

13

GEOCODED: 5 NON GEOCODED: 8

SELECTED: 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	FEDBF	3761 NORTH STEPHANIE STREET, P 81341/EPA BROWNFIELD	3761 N STEPHANIE ST PAHRUMP NV 89060	NON GC	N/A	9
	FEDBF	PAHRUMP PROPERTY 12041/EPA BROWNFIELD	2 FRONTAGE RD S PAHRUMP NV 89048	NON GC	N/A	14
	FEDBF	CALVADA EYE 12044/EPA BROWNFIELD	2 FRONTAGE RD S PAHRUMP NV 89048	NON GC	N/A	16
	STATE	VALLEY ELECTRIC G-000672/CLOSED	PAHRUMP PAHRUMP NV	NON GC	N/A	18
	STATE	PAHRUMP WASTE OIL G-001200/CLOSED	EAST LAS CASITAS PAHRUMP NV 89048	NON GC	N/A	19
	STATE	CONCORDIA HOMES OF NEVADA, INC G-000030/CLOSED	2630 EAST BRIDGER STREET PAHRUMP NV 89048	NON GC	N/A	20
	STATE	BOWMAN AND SONS PRINTING G-000589/CLOSED	UNKNOWN PAHRUMP NV	NON GC	N/A	21
	STATE	BIG HORN CONDOMINIUMS G-000005/CLOSED	UNKNOWN PAHRUMP NV	NON GC	N/A	22

Environmental FirstSearch Site Detail Report

Target Property:

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

DIST/DIR: 0.09 SE

JOB:

117801.01

UST

ELEVATION:

2642

MAP ID:

1

NAME:

SEARCH ID:

REBEL OIL CO 78

3

ADDRESS: 40 S HWY 160

PAHRUMP NV 89048

CONTACT: REBEL OIL CO INC

NV DOC SOURCE:

REV: ID1:

04/28/11 7-000775

ID2: STATUS:

REGISTERED UST

PHONE:

OWNER:

ASSOCIATED FACILITY:

OWNER ADDRESS:

Rebel Oil Co Inc

2200 S. Highland Dr, Las Vegas, NV 89102

Rebel Oil Co 78

TANK ID:

DATE INSTALLED:

FEDERALLY REGULATED TANK? YES OR NO: AST? YES OR NO:

TANK STATUS:

TANK CAPACITY:

TANK MATERIAL:

SUBSTANCE DESCRIPTION:

PIPE MATERIAL:

Currently in Use 12000

Composite (Steel w/ FRP) Gasoline

11/1/1998

Yes

No

Fiberglass Reinforced Plastic

TANK MODIFICATIONS DESCRIPTION:

Double-Walled

PIPE MODIFICATION DESCRIPTION:

Double-Walled

TANK ID:

DATE INSTALLED:

FEDERALLY REGULATED TANK? YES OR NO: AST? YES OR NO: TANK STATUS:

TANK CAPACITY:

TANK MATERIAL:

PIPE MATERIAL:

SUBSTANCE DESCRIPTION:

11/1/1998 Yes No

Currently in Use

12000

Composite (Steel w/ FRP)

Gasoline

Fiberglass Reinforced Plastic

TANK MODIFICATIONS DESCRIPTION:

Double-Walled

PIPE MODIFICATION DESCRIPTION:

Double-Walled

TANK ID:

DATE INSTALLED: FEDERALLY REGULATED TANK? YES OR NO:

AST? YES OR NO: TANK STATUS: TANK CAPACITY:

TANK MATERIAL:

11/1/1998 Yes

No

Currently in Use

Composite (Steel w/ FRP)

- Continued on next page -

Target Property: 1

TANK ID: DATE INSTALLED:

AST? YES OR NO:

FEDERALLY REGULATED TANK? YES OR NO:

150 NORTH HIGHWAY 160

JOB: 117801.01

PAHRUMP NV 89048 **UST** SEARCH ID: 3 DIST/DIR: 0.09 SE **ELEVATION:** 2642 MAP ID: 1 NAME: REBEL OIL CO 78 REV: 04/28/11 ADDRESS: 40 S HWY 160 ID1: 7-000775 PAHRUMP NV 89048 ID2: STATUS: **REGISTERED UST** CONTACT: REBEL OIL CO INC PHONE: SOURCE: NV DOC SUBSTANCE DESCRIPTION: Gasoline PIPE MATERIAL: Fiberglass Reinforced Plastic TANK MODIFICATIONS DESCRIPTION: Double-Walled PIPE MODIFICATION DESCRIPTION: Double-Walled TANK ID: DATE INSTALLED: 11/1/1998 FEDERALLY REGULATED TANK? YES OR NO: Yes AST? YES OR NO: No TANK STATUS: Currently in Use TANK CAPACITY: 6000 TANK MATERIAL: Composite (Steel w/ FRP) SUBSTANCE DESCRIPTION: Diesel PIPE MATERIAL: Fiberglass Reinforced Plastic TANK MODIFICATIONS DESCRIPTION: Double-Walled PIPE MODIFICATION DESCRIPTION: Double-Walled TANK ID: DATE INSTALLED: 11/1/1998 FEDERALLY REGULATED TANK? YES OR NO: Yes AST? YES OR NO: No TANK STATUS: Currently in Use TANK CAPACITY: TANK MATERIAL: Composite (Steel w/ FRP) SUBSTANCE DESCRIPTION: Gasoline PIPE MATERIAL: Fiberglass Reinforced Plastic TANK MODIFICATIONS DESCRIPTION: Double-Walled PIPE MODIFICATION DESCRIPTION: Double-Walled

11/1/1998

Yes

No

Target Property:

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

JOB: 117801.01

UST

SEARCH ID: 3

DIST/DIR: 0.09 SE

ELEVATION:

2642

MAP ID:

1

NAME:

REBEL OIL CO 78 ADDRESS: 40 S HWY 160

PAHRUMP NV 89048

ID1: ID2: STATUS:

REV:

04/28/11 7-000775

PHONE:

REGISTERED UST

CONTACT: REBEL OIL CO INC

SOURCE: NV DOC

Currently in Use

4000

TANK STATUS: TANK CAPACITY:

TANK MATERIAL:

SUBSTANCE DESCRIPTION:

PIPE MATERIAL:

Composite (Steel w/ FRP)

Gasoline

Fiberglass Reinforced Plastic

TANK MODIFICATIONS DESCRIPTION:

Double-Walled

PIPE MODIFICATION DESCRIPTION:

Double-Walled

Target Property:

44411 - HOME CENTERS

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

JOB: 117801.01

RCRAGN SEARCH ID: 1 DIST/DIR: 0.13 NW **ELEVATION:** 2632 MAP ID: 2 HOME DEPOT USA HD3322 NAME: REV: 3/10/11 ADDRESS: 301 NORTH HIGHWAY 160 ID1: NVR000083584 PAHRUMP NV 89060 ID2: NYE STATUS: **SGN** CONTACT: PHONE: SOURCE: SITE INFORMATION CONTACT INFORMATION: ROSA L WHIPPLE 1905 ASTON AVE STE 100 CARLSBAD CA 92008 PHONE: 800-451-8346 8842 **UNIVERSE INFORMATION:** SUBJECT TO CORRECTIVE ACTION (SUBJCA) SUBJCA: N-NO SUBJCA TSD 3004: N-NO SUBJCA NON TSD: N - NO SIGNIFICANT NON-COMPLIANCE(SNC): **BEGINNING OF THE YEAR SNC:** PERMIT WORKLOAD: CLOSURE WORKLOAD: POST CLOSURE WORKLOAD: PERMITTING /CLOSURE/POST-CLOSURE PROGRESS: CORRECTIVE ACTION WORKLOAD: N - NO **GENERATOR STATUS:** SOG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000 KG/MONTH OF HAZARDOUS WASTE SUBJECT TO CORRECTIVE ACTION (SUBJCA) SUBJCA: N-NO SUBJCA TSD 3004: N-NO

SUBJCA NON TSD: N - NO SIGNIFICANT NON-COMPLIANCE(SNC): **BEGINNING OF THE YEAR SNC:** PERMIT WORKLOAD: CLOSURE WORKLOAD: POST CLOSURE WORKLOAD: PERMITTING /CLOSURE/POST-CLOSURE PROGRESS: CORRECTIVE ACTION WORKLOAD: N - NO **GENERATOR STATUS:** SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000 KG/MONTH OF HAZARDOUS WASTE INSTITUTIONAL CONTROL: N **HUMAN EXPOSURE:** GW CONTROLS: N LAND TYPE: **NAIC INFORMATION**

Target Property:

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

JOB: 117801.01

D	$^{\circ}$	A 4	C'T T
\mathbf{r}	UK.	A١	GN

SEARCH ID: 1 **DIST/DIR:** 0.13 NW **ELEVATION:** 2632 MAP ID:

NAME: HOME DEPOT USA HD3322 ADDRESS: 301 NORTH HIGHWAY 160

PAHRUMP NV 89060

CONTACT: SOURCE: **EPA** REV: 3/10/11

ID1: NVR000083584

ID2: STATUS: SGN

PHONE:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

D001 - IGNITABLE WASTE

D002 - CORROSIVE WASTE

D009 - MERCURY

D016 - 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

D018 - BENZENE

D035 - METHYL ETHYL KETONE

Target Property:

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

JOB: 117801.01

LUST

SEARCH ID: 4 **DIST/DIR:** 0.44 NW **ELEVATION:** 2625 MAP ID: 3

NAME: NYE COUNTY MAINTENANCE YARD ADDRESS:

HIGHWAY 160 AND BOOTHILL DRIVE

PAHRUMP NV

CONTACT: NV DOC SOURCE:

REV: 04/30/05 7-000761 ID1: ID2:

STATUS: CLOSED

PHONE:

RELEASE INFORMATION

Date Release Reported to NDEP: Type of Event:

Type of Media Impacted: Substance Released:

CLOSED CASE INFORMATION

Closure Date: Closure Type:

AGENCY TRACKING INFORMATION

Program:

NDEP Case Officer: Location of Paper File: arushana

10/23/1998

03/18/1999

NAC 459 A-K

CLOSED

Soil

Diesel

NDEP: Las Vegas

LUST

SEARCH ID: 5 **DIST/DIR:** 0.47 SE **ELEVATION:** 2654 MAP ID: 4

PREFERRED EQUITIES NAME: ADDRESS:

220 HIGHWAY 160 AND 372

PAHRUMP NV

REV: 04/30/05 ID1: 7-000126 ID2: STATUS: CLOSED

PHONE:

CONTACT:

SOURCE: NV DOC

RELEASE INFORMATION Date Release Reported to NDEP:

Type of Event: CLOSED

Type of Media Impacted: No Impact/Clean Close Substance Released:

CLOSED CASE INFORMATION

Closure Date: 08/30/1996 Closure Type: Clean Close

AGENCY TRACKING INFORMATION

Program:

NDEP Case Officer: bstulac

Location of Paper File: NDEP: Carson City

Target Property:

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

JOB:

117801.01

STATE

SEARCH ID: 2

DIST/DIR: 0.75 NW

ELEVATION:

2608

MAP ID:

5

NAME: ADDRESS:

D AND M PARTNERS

370 GEMINI

PAHRUMP NV 89048

REV: ID1:

PHONE:

07/06/00 G-000941

ID2: STATUS:

CLOSED

CONTACT:

NV DOC SOURCE:

NEVADA STATE CORRECTIVE ACTIONS RELEASE INFORMATION

Discrete Releases at Facility:

Date Release Reported to NDEP:

02/09/1995 Soil

Type of Media Impacted: **Description of Contaminant:**

Other Cyanide

Date of Last Action:

Last Action Agency Memo:

Date of Next Action:

Next Action Memo:

Date of Closure: Regulatory Type of Closure: 06/12/1996

Invest Closed

RESPONSIBLE PARTY INFORMATION (if available)

Responsible Party Name:

Responsible Party Company:

Responsible Party Address:

AGENCY TRACKING INFORMATION

NDEP Case Officer: Location of Paper File: dnarala

NDEP: Las Vegas

Company of Nevada Certified Manager Conducting Cleanup:

Phone Number of Certified Manager Conduction Cleanup:

Name of Certified Manager Conducting Cleanup:

Address of Certified Manager Conducting Cleanup: ,

Last Modification of the Discrete Activity: Last NDEP User to Modify a Discrete Activity:

6/20/2002 SHARBOUR

Site Details Page - 7

Target Property:

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

JOB:

117801.01

FEDBF

SEARCH ID:

DIST/DIR: NON GC

ELEVATION:

MAP ID:

NAME: ADDRESS:

3761 NORTH STEPHANIE STREET, PAHRUMP

3761 N STEPHANIE ST PAHRUMP NV 89060

ID1: ID2:

5/4/11 81341 81341

EPA BROWNFIELD

CONTACT: NYE COUNTY SHERIFF

SOURCE: EPA STATUS: PHONE:

REV:

SITE INFORMATION:

GRANT RECIPIENT:

TYPE OF GRANT:

NYE COUNTY

ASSESSMENT

TYPE OF FUNDING: **ENROLLED IN STATE/TRIBAL PROG:**

STATE OR TRIBAL ID:

ENROLLED DATE:

ACRES PROP ID:

LOCAL PROPERTY NUMBER:

81341 028-251-18

PROPERTY SIZE acres: **CLEANUP REQUIRED:**

5 N

NFA/CLEANUP COMPL ISSUED:

OWNERSHIP ENTITY:

GOVERNMENT

CURRENT OWNER:

NYE COUNTY SHERIFF

DID OWNERSHIP CHANGE:

N SUPERFUND LANDOWNER LIABILITY CHANGE:

PROPERTY DESCRIPTION: The site is currently vacant residential land. An abandoned mobile home trailer is located on the site and has been present since sometime after 1994. Prior to 1994, the site was vacant and undeveloped. The property is currently owned by the Nye County Sheriff. Information provided indicates that previous tenants used the property for the manufacture of methamphetamine.

GRANT RECIPIENT:

NYE COUNTY

TYPE OF GRANT:

ASSESSMENT

TYPE OF FUNDING:

Η

ENROLLED IN STATE/TRIBAL PROG:

STATE OR TRIBAL ID: **ENROLLED DATE:**

ACRES PROP ID:

81341

LOCAL PROPERTY NUMBER:

028-251-18

PROPERTY SIZE acres:

CLEANUP REQUIRED:

N

NFA/CLEANUP COMPL ISSUED:

OWNERSHIP ENTITY:

GOVERNMENT

CURRENT OWNER:

NYE COUNTY SHERIFF

DID OWNERSHIP CHANGE:

N

SUPERFUND LANDOWNER LIABILITY CHANGE:

PROPERTY DESCRIPTION:

The site is currently vacant residential land. An abandoned mobile home trailer is located on the site and has been present since sometime after 1994. Prior to 1994, the site was vacant and undeveloped. The property is currently owned by the Nye County Sheriff. Information provided indicates that previous tenants used the property for the manufacture of methamphetamine.

GRANT RECIPIENT:

NYE COUNTY

TYPE OF GRANT:

ASSESSMENT

TYPE OF FUNDING:

Н

ENROLLED IN STATE/TRIBAL PROG:

STATE OR TRIBAL ID:

ENROLLED DATE: ACRES PROP ID:

81341

LOCAL PROPERTY NUMBER:

028-251-18

PROPERTY SIZE acres:

117801.01

Target Property: 150 NORTH HIGHWAY 160 JOB:

PAHRUMP NV 89048

FEDBF

SEARCH ID: 13 DIST/DIR: NON GC ELEVATION: MAP ID:

 NAME:
 3761 NORTH STEPHANIE STREET, PAHRUMP
 REV:
 5/4/11

 ADDRESS:
 3761 N STEPHANIE ST
 ID1:
 81341

PAHRUMP NV 89060 ID2: 81341 STATUS: EPA BROWNFIELD

CONTACT: NYE COUNTY SHERIFF PHONE:

SOURCE: EPA

CLEANUP REQUIRED: N

NFA/CLEANUP COMPL ISSUED:

OWNERSHIP ENTITY: GOVERNMENT CURRENT OWNER: NYE COUNTY SHERIFF

DID OWNERSHIP CHANGE: N
SUPERFUND LANDOWNER LIABILITY CHANGE:

PROPERTY DESCRIPTION: The site is currently vacant residential land. An abandoned mobile home trailer is located on the site and has been present since sometime after 1994. Prior to 1994, the site was vacant and undeveloped. The property is currently owned by the Nye

County Sheriff. Information provided indicates that previous tenants used the property for the manufacture of methamphetamine.

PREDOMINANT PAST USE (ACRES)

GREEN SPACE: RESIDENTIAL: 5

COMMERCAIL: INDUSTRIAL:

ASSESSMENT

PHASE: PHASE II ENVIRONMENTAL ASSESSMENT START DATE: 17-OCT-08
COMPLETION DATE: 22-JAN-09 SOURCE OF FUNDING: US EPA - BROWNFIELDS

ASSESSMENT COOPERATIVE AGREEMENT

ENTIRY PROVIDING FUNDS: AMOUNT OF FUNDING: 13798

CONTAMINANT FOUND

PETROLEUM: CONTROLLED SUBSTANCES:

ASBESTOS: PCBs: VOCs: LEAD: OTHER METALS: PAHs:

OTHER: Y

OTHER DESCRIPTION: METHAMPHETAMINE - CONCENTRATION DETECTED WAS BELOW THE CLEAN-UP

THRESHOLD

PREDOMINANT PAST USE (ACRES)

GREEN SPACE: RESIDENTIAL: 5

COMMERCAIL: RESIDENTIAL: INDUSTRIAL:

ASSESSMENT

PHASE: PHASE I ENVIRONMENTAL ASSESSMENT START DATE: 09-JAN-08
COMPLETION DATE: 27-MAY-08 SOURCE OF FUNDING: US EPA - BROWNFIELDS

ASSESSMENT COOPERATIVE AGREEMENT

ENTIRY PROVIDING FUNDS: EPA AMOUNT OF FUNDING: 4589.25

CONTAMINANT FOUND

PETROLEUM: CONTROLLED SUBSTANCES:

ASBESTOS: PCBs: VOCs: LEAD: OTHER METALS: PAHs:

OTHER: Y

OTHER DESCRIPTION: METHAMPHETAMINE - CONCENTRATION DETECTED WAS BELOW THE CLEAN-UP

THRESHOLD

PREDOMINANT PAST USE (ACRES)

GREEN SPACE: RESIDENTIAL: 5
COMMERCAIL: INDUSTRIAL:

Target Property:

150 NORTH HIGHWAY 160

JOB: 117801.01

PAHRUMP NV 89048 **FEDBF SEARCH ID:** 13 **DIST/DIR:** NON GC **ELEVATION:** MAP ID: NAME: 3761 NORTH STEPHANIE STREET, PAHRUMP REV: 5/4/11 3761 N STEPHANIE ST ADDRESS: 81341 ID1: PAHRUMP NV 89060 ID2: 81341 STATUS: **EPA BROWNFIELD** CONTACT: NYE COUNTY SHERIFF PHONE: SOURCE: **EPA ASSESSMENT** PHASE: START DATE: **COMPLETION DATE:** SOURCE OF FUNDING: **ENTIRY PROVIDING FUNDS:** AMOUNT OF FUNDING: **CONTAMINANT FOUND** PETROLEUM: CONTROLLED SUBSTANCES: ASBESTOS: PCBs: VOCs: LEAD: **OTHER METALS:** PAHs: OTHER: OTHER DESCRIPTION: METHAMPHETAMINE - CONCENTRATION DETECTED WAS BELOW THE CLEAN-UP THRESHOLD **CONTAMINATION CLEANED UP** PETROLEUM: CONTROLLED SUBSTANCES: ASBESTOS: PCBs: VOCs: LEAD: OTHER METALS: PAHs: OTHER: OTHER DESCRIPTION: **MEDIA AFFECTED** SOIL: AIR: SURFACE WATER: **GROUND WATER:** DRINKING WATER: SEDIMENTS: NO MEDIA: Y UNKNOWN: **MEDIA CLEANED:** SOIL: AIR: **GROUND WATER:** SURFACE WATER: DRINKING WATER: SEDIMENTS: **CONTAMINATION CLEANED UP** PETROLEUM: CONTROLLED SUBSTANCES: ASBESTOS: PCBs: VOCs: LEAD: OTHER METALS: PAHs: OTHER: OTHER DESCRIPTION: MEDIA AFFECTED SOIL: AIR: SURFACE WATER: **GROUND WATER:** DRINKING WATER: SEDIMENTS:

UNKNOWN:

AIR:

SOIL:

Y

NO MEDIA:

MEDIA CLEANED:

Target Property:

ENFORCEMENT/PERMIT TOOLS:

26-MAY-09

DATE IC IN PLACE:

CLEANUP START DATE:

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

JOB: 117801.01

		FEDBF	
SEARCH ID: 13	DIST/DIR: NON GC	ELEVATION:	MAP ID:
NAME: 3761 NORTH STE ADDRESS: 3761 N STEPHAN PAHRUMP NV 89		ID1: ID2:	5/4/11 81341 81341
CONTACT: NYE COUNTY SE SOURCE: EPA	IERIFF	STATUS: PHONE:	EPA BROWNFIELD
SURFACE WATER: DRINKING WATER:		GROUND WATER: SEDIMENTS:	
CONTAMINATION CLEANED PETROLEUM: ASBESTOS: VOCs: OTHER METALS: OTHER: OTHER:	<u>O UP</u>	CONTROLLED SUBSTANCI PCBs: LEAD: PAHs:	ES:
MEDIA AFFECTED SOIL: SURFACE WATER: DRINKING WATER: NO MEDIA:	Υ	AIR: GROUND WATER: SEDIMENTS: UNKNOWN:	
MEDIA CLEANED: OIL: URFACE WATER: DRINKING WATER:		AIR: GROUND WATER: SEDIMENTS:	
NSTITUTIONAL CONTROL I C REQUIRED: NFORMATIONAL DEVICES: ENFORCEMENT/PERMIT TO DATE IC IN PLACE:	Y	PROPERTY CONTROLS: GOVERNMENTAL CONTRO IC IN PLACE:	DLS: Y Y
CLEANUP START DATE: ACRES CLEANED UP: PROVIDING CLEANUP FUND REDEVELOP START:	S:	CLEANUP COMPLETION: CLEANUP FUNDING SOURG AMOUNT OF FUNDING:	CE:
FUTURE USE (acres) GREEN SPACE: COMMERCIAL:		RESIDENTIAL: INDUSTRIAL:	5
ROPERTY HIGHLIGHTS: ement-block foundations. Based	The subject site consists of on a review of historical sources the su	vacant residential property with an a bject site was undeveloped prior to b	abandoned mobile home trailer and two being developed as single-family residentia
NSTITUTIONAL CONTROL I C REQUIRED: NFORMATIONAL DEVICES: NEOBOT MENT/PERMIT TO	Y	PROPERTY CONTROLS: GOVERNMENTAL CONTROLS IC IN PLACE.	DLS: Y

IC IN PLACE:

CLEANUP COMPLETION:

Target Property:

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

JOB:

117801.01

FEDBF SEARCH ID: **DIST/DIR:** NON GC **ELEVATION:** 13 MAP ID: NAME: 3761 NORTH STEPHANIE STREET, PAHRUMP REV: 5/4/11 ADDRESS: 3761 N STEPHANIE ST 81341 ID1: PAHRUMP NV 89060 81341 ID2: STATUS: **EPA BROWNFIELD CONTACT: NYE COUNTY SHERIFF** PHONE: SOURCE: EPA ACRES CLEANED UP: **CLEANUP FUNDING SOURCE:** PROVIDING CLEANUP FUNDS: AMOUNT OF FUNDING: REDEVELOP START: **FUTURE USE (acres) GREEN SPACE:** RESIDENTIAL: 5 COMMERCIAL: INDUSTRIAL: PROPERTY HIGHLIGHTS: The subject site consists of vacant residential property with an abandoned mobile home trailer and two cement-block foundations. Based on a review of historical sources the subject site was undeveloped prior to being developed as single-family residentia **INSTITUTIONAL CONTROL INFORMATION (IC)** IC REQUIRED: PROPERTY CONTROLS: **INFORMATIONAL DEVICES: GOVERNMENTAL CONTROLS: ENFORCEMENT/PERMIT TOOLS:** IC IN PLACE: **DATE IC IN PLACE:** 26-MAY-09 **CLEANUP START DATE: CLEANUP COMPLETION:** ACRES CLEANED UP: **CLEANUP FUNDING SOURCE:** PROVIDING CLEANUP FUNDS: AMOUNT OF FUNDING: REDEVELOP START: **FUTURE USE (acres) GREEN SPACE:** RESIDENTIAL: 5 **COMMERCIAL:** INDUSTRIAL:

PROPERTY HIGHLIGHTS: The subject site consists of vacant residential property with an abandoned mobile home trailer and two cement-block foundations. Based on a review of historical sources the subject site was undeveloped prior to being developed as single-family residentia

Target Property:

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

JOB:

117801.01

FEDBF SEARCH ID: 12 **DIST/DIR:** NON GC **ELEVATION:** MAP ID: NAME: PAHRUMP PROPERTY REV: 5/4/11 ADDRESS: 2 FRONTAGE RD S ID1: 12041 PAHRUMP NV 89048 12041 ID2: STATUS: **EPA BROWNFIELD** CONTACT: PHONE: SOURCE: EPA

SITE INFORMATION:

GRANT RECIPIENT: NYE COUNTY TYPE OF GRANT: ASSESSMENT TYPE OF FUNDING: N/A

ENROLLED IN STATE/TRIBAL PROG:

STATE OR TRIBAL ID: **ENROLLED DATE:** ACRES PROP ID:

12041

LOCAL PROPERTY NUMBER: **PROPERTY SIZE acres:**

300

CLEANUP REQUIRED:

NFA/CLEANUP COMPL ISSUED:

OWNERSHIP ENTITY: **CURRENT OWNER: DID OWNERSHIP CHANGE:**

SUPERFUND LANDOWNER LIABILITY CHANGE:

PROPERTY DESCRIPTION:

PREDOMINANT PAST USE (ACRES)

GREEN SPACE: RESIDENTIAL: **COMMERCAIL:** INDUSTRIAL:

ASSESSMENT

PHASE I ENVIRONMENTAL ASSESSMENT PHASE: START DATE: 30-SEP-04 30-SEP-04 SOURCE OF FUNDING:

COMPLETION DATE:

ENTIRY PROVIDING FUNDS: AMOUNT OF FUNDING:

CONTAMINANT FOUND

CONTROLLED SUBSTANCES: PETROLEUM:

ASBESTOS: PCBs: VOCs: LEAD: OTHER METALS: PAHs:

OTHER:

OTHER DESCRIPTION:

CONTAMINATION CLEANED UP PETROLEUM:

CONTROLLED SUBSTANCES: ASBESTOS: PCBs: VOCs: LEAD: OTHER METALS: PAHs:

OTHER:

OTHER DESCRIPTION:

MEDIA AFFECTED

SOIL: AIR:

SURFACE WATER: **GROUND WATER:** DRINKING WATER: SEDIMENTS: NO MEDIA: UNKNOWN:

Target Property:

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

JOB:

117801.01

FEDBF								
SEARCH ID: 12	DIST/DIR: NON GC	ELEVATION:	MAP ID:					
NAME: PAHRUMP PROI ADDRESS: 2 FRONTAGE RI PAHRUMP NV 8	S	REV: ID1: ID2:	5/4/11 12041 12041					
CONTACT:		STATUS: PHONE:	EPA BROWNFIELD					

MEDIA CLEANED:

SOIL:

SURFACE WATER: **DRINKING WATER:** AIR:

GROUND WATER: SEDIMENTS:

PROPERTY CONTROLS:

INSTITUTIONAL CONTROL INFORMATION (IC)

IC REQUIRED:

INFORMATIONAL DEVICES: ENFORCEMENT/PERMIT TOOLS: **GOVERNMENTAL CONTROLS:** IC IN PLACE:

DATE IC IN PLACE:

CLEANUP START DATE: ACRES CLEANED UP: PROVIDING CLEANUP FUNDS: REDEVELOP START:

CLEANUP COMPLETION: **CLEANUP FUNDING SOURCE:** AMOUNT OF FUNDING:

FUTURE USE (acres) GREEN SPACE:

COMMERCIAL:

RESIDENTIAL: INDUSTRIAL:

PROPERTY HIGHLIGHTS:

Target Property:

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

JOB:

117801.01

FEDBF SEARCH ID: 11 **DIST/DIR:** NON GC **ELEVATION:** MAP ID: NAME: CALVADA EYE REV: 5/4/11 ADDRESS: 2 FRONTAGE RD S ID1: 12044 PAHRUMP NV 89048 ID2: 12044 STATUS: EPA BROWNFIELD CONTACT: PHONE: SOURCE: EPA

SITE INFORMATION:

GRANT RECIPIENT: NYE COUNTY TYPE OF GRANT: ASSESSMENT TYPE OF FUNDING: N/A

ENROLLED IN STATE/TRIBAL PROG:

STATE OR TRIBAL ID: **ENROLLED DATE:** ACRES PROP ID:

12044

LOCAL PROPERTY NUMBER: PROPERTY SIZE acres: **CLEANUP REQUIRED:**

NFA/CLEANUP COMPL ISSUED:

OWNERSHIP ENTITY: CURRENT OWNER: DID OWNERSHIP CHANGE:

SUPERFUND LANDOWNER LIABILITY CHANGE:

PROPERTY DESCRIPTION:

PREDOMINANT PAST USE (ACRES)

GREEN SPACE: RESIDENTIAL: **COMMERCAIL:** INDUSTRIAL:

ASSESSMENT

PHASE: PHASE I ENVIRONMENTAL ASSESSMENT START DATE: 30-SEP-04

COMPLETION DATE: **ENTIRY PROVIDING FUNDS:**

30-SEP-04 **SOURCE OF FUNDING:** AMOUNT OF FUNDING:

AIR:

CONTAMINANT FOUND

PETROLEUM: CONTROLLED SUBSTANCES:

ASBESTOS: PCBs: VOCs: LEAD: OTHER METALS: PAHs:

OTHER:

OTHER DESCRIPTION:

CONTAMINATION CLEANED UP

PETROLEUM: CONTROLLED SUBSTANCES:

ASBESTOS: PCBs: VOCs: LEAD: OTHER METALS: PAHs:

OTHER:

OTHER DESCRIPTION:

MEDIA AFFECTED

SOIL:

SURFACE WATER: GROUND WATER: DRINKING WATER: SEDIMENTS: NO MEDIA: UNKNOWN:

Target Property:

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

JOB: 117801.01

FEDBF						
SEARCH	ID: 11	DIST/DIR:	NON GC	ELEVATION:	MAP ID:	
NAME:	CALVADA EYE 2 FRONTAGE RD S			REV: ID1:	5/4/11 12044	
ADDRESS.	PAHRUMP NV 89048			IDI: ID2: STATUS:	12044 12044 EPA BROWNFIELD	
CONTACT: SOURCE:	EPA			PHONE:		

MEDIA CLEANED:

SOIL:

AIR: SURFACE WATER:

DRINKING WATER:

GROUND WATER: SEDIMENTS:

INSTITUTIONAL CONTROL INFORMATION (IC)

IC REQUIRED:

INFORMATIONAL DEVICES: **ENFORCEMENT/PERMIT TOOLS:**

PROPERTY CONTROLS:

GOVERNMENTAL CONTROLS:

IC IN PLACE:

DATE IC IN PLACE:

CLEANUP START DATE: ACRES CLEANED UP: PROVIDING CLEANUP FUNDS: **REDEVELOP START:**

CLEANUP COMPLETION: CLEANUP FUNDING SOURCE: AMOUNT OF FUNDING:

FUTURE USE (acres) GREEN SPACE:

COMMERCIAL:

RESIDENTIAL: INDUSTRIAL:

PROPERTY HIGHLIGHTS:

Target Property:

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

JOB:

117801.01

STATE

SEARCH ID: 10 **DIST/DIR:** NON GC

ELEVATION:

MAP ID:

NAME:

VALLEY ELECTRIC

ADDRESS: PAHRUMP

PAHRUMP NV

REV: ID1:

PHONE:

07/06/00 G-000672

ID2: STATUS:

CLOSED

CONTACT:

NV DOC SOURCE:

NEVADA STATE CORRECTIVE ACTIONS RELEASE INFORMATION

Discrete Releases at Facility:

Date Release Reported to NDEP:

Type of Media Impacted: **Description of Contaminant:** 03/08/1993

Soil Unknown

Date of Last Action:

Last Action Agency Memo:

Date of Next Action: **Next Action Memo:**

Date of Closure:

09/10/1993

Regulatory Type of Closure:

RESPONSIBLE PARTY INFORMATION (if available)

Responsible Party Name: Responsible Party Company: Responsible Party Address:

AGENCY TRACKING INFORMATION

NDEP Case Officer:

bpohlman

Location of Paper File:

NDEP: Las Vegas

Company of Nevada Certified Manager Conducting Cleanup:

Phone Number of Certified Manager Conduction Cleanup:

Name of Certified Manager Conducting Cleanup:

Address of Certified Manager Conducting Cleanup: ,

Last Modification of the Discrete Activity:

3/24/1998

Last NDEP User to Modify a Discrete Activity:

KFLEMING

NEVADA STATE CORRECTIVE ACTIONS RELEASE INFORMATION

Discrete Releases at Facility:

Date Release Reported to NDEP:

05/19/2006

Type of Media Impacted:

Soil

Description of Contaminant:

Other Non-PCB Mineral Oil

Date of Last Action:

Last Action Agency Memo:

Date of Next Action:

Next Action Memo:

Date of Closure:

06/30/2006

Regulatory Type of Closure:

Clean w/ Remed

RESPONSIBLE PARTY INFORMATION (if available)

Responsible Party Name:

Responsible Party Company:

Responsible Party Address:

AGENCY TRACKING INFORMATION

Target Property:

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

JOB: 117801.01

STATE								
SEARCH ID: 10 DIST	T/DIR: NON GC	ELEVATION:	MAP ID:					
NAME: VALLEY ELECTRIC		REV:	07/06/00					
ADDRESS: PAHRUMP PAHRUMP NV		ID1: ID2:	G-000672					
CONTACT:		STATUS: PHONE:	CLOSED					

SOURCE: NV DOC

NDEP Case Officer:

jsawyer

NDEP: Carson City

Location of Paper File: Company of Nevada Certified Manager Conducting Cleanup: Phone Number of Certified Manager Conduction Cleanup:

Name of Certified Manager Conducting Cleanup: Address of Certified Manager Conducting Cleanup: ,

Last Modification of the Discrete Activity: Last NDEP User to Modify a Discrete Activity: 3/24/1998 **KFLEMING**

Target Property:

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

JOB:

117801.01

STATE

SEARCH ID: 9

DIST/DIR: NON GC

ELEVATION:

MAP ID:

NAME: ADDRESS:

PAHRUMP WASTE OIL **EAST LAS CASITAS**

REV: ID1:

07/06/00 G-001200

PAHRUMP NV 89048

ID2:

STATUS:

CLOSED

CONTACT:

SOURCE: NV DOC

PHONE:

NEVADA STATE CORRECTIVE ACTIONS RELEASE INFORMATION

Discrete Releases at Facility:

Date Release Reported to NDEP:

11/09/1994 Soil

Type of Media Impacted: **Description of Contaminant:**

used oil

Date of Last Action:

Last Action Agency Memo:

Date of Next Action:

Next Action Memo:

Date of Closure:

11/14/1995

Regulatory Type of Closure:

RESPONSIBLE PARTY INFORMATION (if available)

Responsible Party Name:

Responsible Party Company: Responsible Party Address:

AGENCY TRACKING INFORMATION

NDEP Case Officer:

dnarala

Location of Paper File:

NDEP: Las Vegas

Company of Nevada Certified Manager Conducting Cleanup:

Phone Number of Certified Manager Conduction Cleanup:

Name of Certified Manager Conducting Cleanup:

Address of Certified Manager Conducting Cleanup: , Last Modification of the Discrete Activity:

3/18/1998

Last NDEP User to Modify a Discrete Activity:

KFLEMING

Target Property:

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

JOB: 117801.01

STATE

SEARCH ID: 8

DIST/DIR: NON GC

ELEVATION:

MAP ID:

NAME: ADDRESS:

CONCORDIA HOMES OF NEVADA, INC., APN 4456119

REV:

01/05/09

2630 EAST BRIDGER STREET PAHRUMP NV 89048

ID1: ID2:

G-000030

NYE

STATUS:

CLOSED

CONTACT:

SOURCE: NV DOC PHONE:

NEVADA STATE CORRECTIVE ACTIONS RELEASE INFORMATION

Date Release Reported to NDEP:

Date of Closure:

07/07/2006 07/31/2006

Regulatory Type of Closure:

Clean w/ Remed

Type of Media Impacted:

Description of Contaminant:

Other, Transformer Mineral Oil

Target Property:

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

JOB:

117801.01

STATE

SEARCH ID: 7

DIST/DIR: NON GC

ELEVATION:

MAP ID:

NAME:

BOWMAN AND SONS PRINTING

ADDRESS: UNKNOWN

UNKNOWN PAHRUMP NV REV: ID1: 07/06/00 G-000589

ID2: STATUS:

PHONE:

CLOSED

CONTACT:

SOURCE: NV DOC

NEVADA STATE CORRECTIVE ACTIONS RELEASE INFORMATION

Discrete Releases at Facility:

Date Release Reported to NDEP:

Type of Media Impacted:

Soil

Description of Contaminant:

Other Photographic Chemicals

Date of Last Action:

Last Action Agency Memo:

Date of Next Action:

Next Action Memo:

Date of Closure:

07/20/1992

Regulatory Type of Closure:

RESPONSIBLE PARTY INFORMATION (if available)

Responsible Party Name: Responsible Party Company: Responsible Party Address:

AGENCY TRACKING INFORMATION

NDEP Case Officer:

tmurphy

Location of Paper File:

NDEP: Carson City

Company of Nevada Certified Manager Conducting Cleanup:

Phone Number of Certified Manager Conduction Cleanup:

Name of Certified Manager Conducting Cleanup:

Address of Certified Manager Conducting Cleanup: . Last Modification of the Discrete Activity:

12/10/1998

Last NDEP User to Modify a Discrete Activity:

LPETERSO

Target Property:

150 NORTH HIGHWAY 160

PAHRUMP NV 89048

JOB: 117801.01

STATE

SEARCH ID: 6

DIST/DIR: NON GC

ELEVATION:

MAP ID:

NAME:

BIG HORN CONDOMINIUMS

ADDRESS: UNKNOWN

PAHRUMP NV

REV: ID1:

PHONE:

07/06/00 G-000005

ID2: STATUS:

CLOSED

CONTACT:

SOURCE: NV DOC

NEVADA STATE CORRECTIVE ACTIONS RELEASE INFORMATION

Discrete Releases at Facility:

Date Release Reported to NDEP:

Type of Media Impacted:

05/09/2000 Soil

Description of Contaminant:

Other

Date of Last Action:

Last Action Agency Memo:

Date of Next Action:

Next Action Memo:

Date of Closure: **Regulatory Type of Closure:** 05/12/2000

Clean w/ Remed

RESPONSIBLE PARTY INFORMATION (if available)

Responsible Party Name:

Responsible Party Company: Responsible Party Address:

Brent Crowther

Valley Electric Association, Inc.

Post Office Box 237PahrumpNV89041

AGENCY TRACKING INFORMATION

NDEP Case Officer:

Location of Paper File:

bpohlman

NDEP: Las Vegas

Company of Nevada Certified Manager Conducting Cleanup:

Phone Number of Certified Manager Conduction Cleanup:

Name of Certified Manager Conducting Cleanup:

Address of Certified Manager Conducting Cleanup: , Last Modification of the Discrete Activity: Last NDEP User to Modify a Discrete Activity:

5/22/2002

BPOHLMAN

Environmental FirstSearch Descriptions

NPL: *EPA* NATIONAL PRIORITY LIST - The National Priorities List is a list of the worst hazardous waste sites that have been identified by Superfund. Sites are only put on the list after they have been scored using the Hazard Ranking System (HRS), and have been subjected to public comment. Any site on the NPL is eligible for cleanup using Superfund Trust money.

A Superfund site is any land in the United States that has been contaminated by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

FINAL - Currently on the Final NPL

PROPOSED - Proposed for NPL

NPL DELISTED: *EPA* NATIONAL PRIORITY LIST Subset - Database of delisted NPL sites. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

DELISTED - Deleted from the Final NPL

CERCLIS: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)- CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL.

PART OF NPL- Site is part of NPL site

DELETED - Deleted from the Final NPL

FINAL - Currently on the Final NPL

NOT PROPOSED - Not on the NPL

NOT VALID - Not Valid Site or Incident

PROPOSED - Proposed for NPL

REMOVED - Removed from Proposed NPL

SCAN PLAN - Pre-proposal Site

WITHDRAWN - Withdrawn

NFRAP: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

NFRAP - No Further Remedial Action Plan

- P Site is part of NPL site
- D Deleted from the Final NPL
- F Currently on the Final NPL
- N Not on the NPL
- O Not Valid Site or Incident
- P Proposed for NPL
- R Removed from Proposed NPL
- S Pre-proposal Site
- W Withdrawn

RCRA COR ACT: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

RCRAInfo facilities that have reported violations and subject to corrective actions.

RCRA TSD: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM TREATMENT, STORAGE, and DISPOSAL FACILITIES. - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities that treat, store, dispose, or incinerate hazardous waste.

RCRA GEN: EPA/MA DEP/CT DEP RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM GENERATORS - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities that generate or transport hazardous waste or meet other RCRA requirements.

LGN - Large Quantity Generators

SGN - Small Quantity Generators

VGN - Conditionally Exempt Generator.

Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

CONNECTICUT HAZARDOUS WASTE MANIFEST – Database of all shipments of hazardous waste within, into or from Connecticut. The data includes date of shipment, transporter and TSD info, and material shipped and quantity. This data is appended to the details of existing generator records.

MASSACHUSETTES HAZARDOUS WASTE GENERATOR – database of generators that are regulated under the MA DEP.

VQN-MA = generates less than 220 pounds or 27 gallons per month of hazardous waste or waste oil.

SON-MA = generates 220 to 2,200 pounds or 27 to 270 gallons per month of waste oil.

LQG-MA = generates greater than 2,200 lbs of hazardous waste or waste oil per month.

RCRA NLR: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES

- Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities not currently classified by the EPA but are still included in the RCRAInfo database. Reasons for non classification:

Failure to report in a timely matter.

No longer in business.

No longer in business at the listed address.

No longer generating hazardous waste materials in quantities which require reporting.

ERNS: EPA/NRC EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS) - Database of incidents reported to the National Response Center. These incidents include chemical spills, accidents involving chemicals (such as fires or explosions), oil spills, transportation accidents that involve oil or chemicals, releases of radioactive materials, sightings of oil sheens on bodies of water, terrorist incidents involving chemicals, incidents where illegally dumped chemicals have been found, and drills intended to prepare responders to handle these kinds of incidents. Data since January 2001 has been received from the National Response System database as the EPA no longer maintains this data.

Tribal Lands: DOUBIA INDIAN LANDS OF THE UNITED STATES - Database of areas with boundaries established by treaty, statute, and (or) executive or court order, recognized by the Federal Government as territory in which American Indian tribes have primary governmental authority. The Indian Lands of the United States map layer shows areas of 640 acres or more, administered by the Bureau of Indian Affairs. Included are

Federally-administered lands within a reservation which may or may not be considered part of the reservation. BUREAU OF INDIAN AFFIARS CONTACT - Regional contact information for the Bureau of Indian Affairs offices.

State/Tribal Sites: *NV DOC* CORRECTIVE ACTION CASES- The Bureau of Corrective Actions maintains a list of clean-up evaluations and actions regarding sites with actual or potential contamination that could affect groundwater. This includes various types of sites including those regulated under Nevada State legislation described in detail in the Nevada State web site under legislation section NAC445.226-NAC445.2739.

State/Tribal SWL: *NV DOC* SOLID WASTE LANDFILLS-This division maintains an inventory of various solid waste facilities including open, closed, & permitted landfills, dumps, pesticide sites, and transfer stations. The inventory notes landfill class type and if the site is a private or government facility.

State/Tribal LUST: *NV DOC* LEAKING UNDERGROUND STORAGE TANKS- This division maintains an inventory of sites with leaking underground storagetanks. It includes sites with tanks under investigation for potentialleaks, confirmed leaks, and those to be closed.

WASHOE COUNTY LEAKING UNDERGROUND STORAGE TANKS- This department maintains a list of sites with leaking underground storagetanks. It includes sites with tanks under investigation for potentialleaks, confirmed leaks, and those to be closed or needing emergency action.

State/Tribal UST/AST: *NV DOC/EPA 9* UNDERGROUND STORAGE TANKS- This division maintains an inventory of underground storage tanks.

INDIAN LANDS UST LIST-A listing of underground storage tanks currently on Indian lands under federal jurisdiction. Nevada Indian Lands USTs are administered by US EPA Region 9.

ABOVE GROUND STORAGE TANKS- This division maintains an inventory of sites with above ground storage tanks. For more information regarding specific sites, please call the number listed above.

Please Note: AST sites are listed within the UST area of the First Search reports. They can be identified as AST sites by the site ID number. The site ID number islocated in the Site Summary or Site Details section of the report. The site ID notes "AST" before the agency id.

State/Tribal Brownfields: *NV DOC/EPA* BROWNFIELDS SITES- The Bureau of Corrective Actions maintains a list of brownfield sites as part of its listing of clean-up evaluations and actions regarding sites with actual or potential contamination that could affect groundwater. The NDEP defines a brownfield as an abandoned, idled, or underused industrial or commercial properties taken out of productive use because of real or perceived risks from environmental contamination.

Brownfields Management System (BMS) is an analytical database designed to assist EPA in collecting, tracking, and updating information, as well as reporting on the major activities and accomplishments of the various Brownfield grant Programs.

RADON: NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

Coal Gasification: PROPRIETARY COAL GASIFICATION - database of sites that have been involved in coal gasification.

FI Map Coverage: PROPRIETARY FIRE INSURANCE MAP AVAILABILITY - Database of historical fire insurance map availability.

Meth Labs: US DOJ NATIONAL CLANDESTINE LABORATORY REGISTER - Database of addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the U.S. Department of Justice ("the Department"), and the Department has not verified the entry and does not guarantee its accuracy. All sites that are included in this data set will have an id that starts with NCLR.

Environmental FirstSearch Database Sources

NPL: EPA Environmental Protection Agency

Updated quarterly

NPL DELISTED: EPA Environmental Protection Agency

Updated quarterly

CERCLIS: EPA Environmental Protection Agency

Updated quarterly

NFRAP: EPA Environmental Protection Agency.

Updated quarterly

RCRA COR ACT: EPA Environmental Protection Agency.

Updated quarterly

RCRA TSD: EPA Environmental Protection Agency.

Updated quarterly

RCRA GEN: EPA/MA DEP/CT DEP Environmental Protection Agency, Massachusetts Department of Environmental Protection, Connecticut Department of Environmental Protection

Updated quarterly

RCRA NLR: EPA Environmental Protection Agency

Updated quarterly

ERNS: EPA/NRC Environmental Protection Agency

Updated annually

Tribal Lands: DOI/BIA United States Department of the Interior

Updated annually

State/Tribal Sites: NV DOC The Nevada Department of Conservation and Natural Resources, Division of Environmental Protection (NDEP), Bureau of Corrective Actions

Updated quarterly/when available

State/Tribal SWL: *NV DOC* The Nevada Department of Conservation and Natural Resources, Division of Environmental Protection (NDEP), Bureau of Corrective Actions

Updated annually/when available

State/Tribal LUST: *NV DOC* The Nevada Department of Conservation and Natural Resources, Division of Environmental Protection (NDEP), Bureau of CorrectiveActions

Phone: (775) 687-4670

Washoe County Department of Environmental Health

Updated quarterly/when available

State/Tribal UST/AST: NV DOC/EPA 9 The Nevada Department of Conservation and Natural Resources, Division of Environmental Protection (NDEP), Bureau of Corrective Actions

Phone: (775) 687-4670

US EPA Region 9, Underground Storage Tank Program

Updated quarterly/when available

State/Tribal Brownfields: NV DOC/EPA The Nevada Department of Conservation and Natural Resources,

Division of Environmental Protection (NDEP), Bureau of Corrective Actions

Phone: (775) 687-4670

Updated when available

RADON: NTIS Environmental Protection Agency, National Technical Information Services

Updated periodically

Coal Gasification: PROPRIETARY Library of Congress

Catalogue of Maps Published by Sanborn Mapping and Geographic Information Service in February 1988

Updated when available

FI Map Coverage: PROPRIETARY Library of Congress

Catalogue of Maps Published by Sanborn Mapping and Geographic Information Service in February 1988®

ProQuest

Other internally produced datasets

Updated quarterly

Meth Labs: US DOJ U.S. Department of Justice

Updated when available

Environmental FirstSearch Street Name Report for Streets within .25 Mile(s) of Target Property

Target Property:

150 NORTH HIGHWAY 160 PAHRUMP NV 89048

JOB: 117801.01

Street Name	Dist/Dir	Street Name	Dist/Dir
Dahlia St	0.14 SW		
E Basin Ave	0.02 SE		
Emery St	0.09 NE		
Humahuaca	0.18 SE		
Lockspur Ave	0.19 NW		
N Highway 160	0.03 SW		
N State Highway 160	0.03 SW		
S Frontage Rd	0.03 NE		
S Highway 160	0.03 SW		
State St	0.25 SE		



HISTORICAL FIRE INSURANCE MAPS

NO MAPS AVAILABLE

06-02-11 117801.01 150 NORTH HIGHWAY 160 PAHRUMP NV 89048

A search of FirstSearch Technology Corporation's proprietary database of historical fire insurance map availability confirmed that there are <u>NO MAPS AVAILABLE</u> for the Subject Location as shown above.

FirstSearch Technology Corporation's proprietary database of historical fire insurance map availability represents abstracted information from the Sanborn® Map Company obtained through online access to the U.S. Library of Congress via local libraries.

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1 Mile Radius Single Map:



150 NORTH HIGHWAY 160, PAHRUMP NV 89048



Source: U.S. Census TIGER Files			-		
Target Site (Latitude: 36.219275 Longitude: -115.994918)	Ф		-	Coal Gasification	
Identified Site, Multiple Sites, Receptor	X	A			
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste	$\otimes\!\!\!\otimes$				
Triballand					
Railroads					

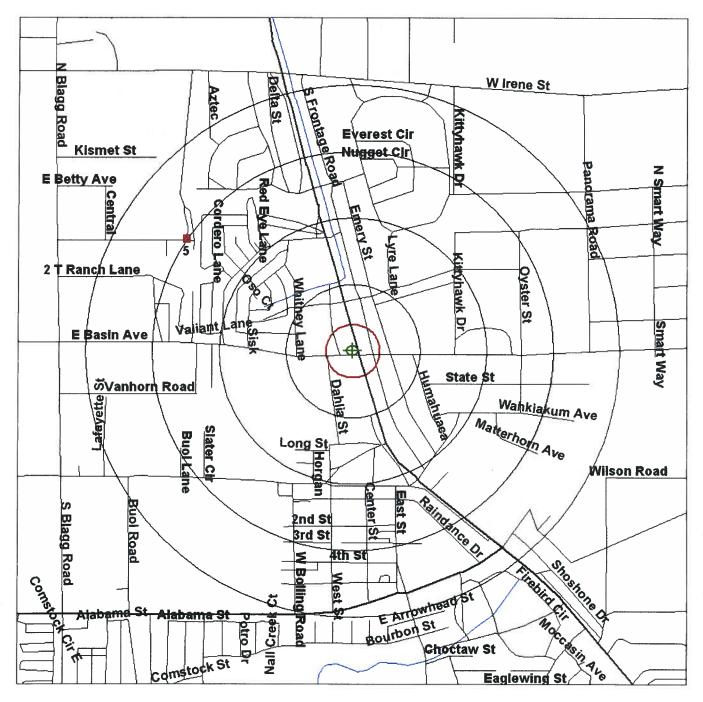
Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



1 Mile Radius
AAI: NPL, RCRACOR, STATE



150 NORTH HIGHWAY 160, PAHRUMP NV 89048



Source: U.S. Census TIGER Files					H
Target Site (Latitude: 36.219275 Longitude: -115.994918)	. 🕁		_	Coal Gasification	
Identified Site, Multiple Sites, Receptor	X	A			
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste	$\otimes\!\!\!\otimes$				
Triballand	\bowtie				
Railroads	_				
Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft, Radius					

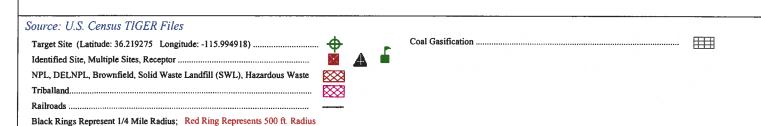


.5 Mile Radius AAI: Multiple Databases



150 NORTH HIGHWAY 160, PAHRUMP NV 89048



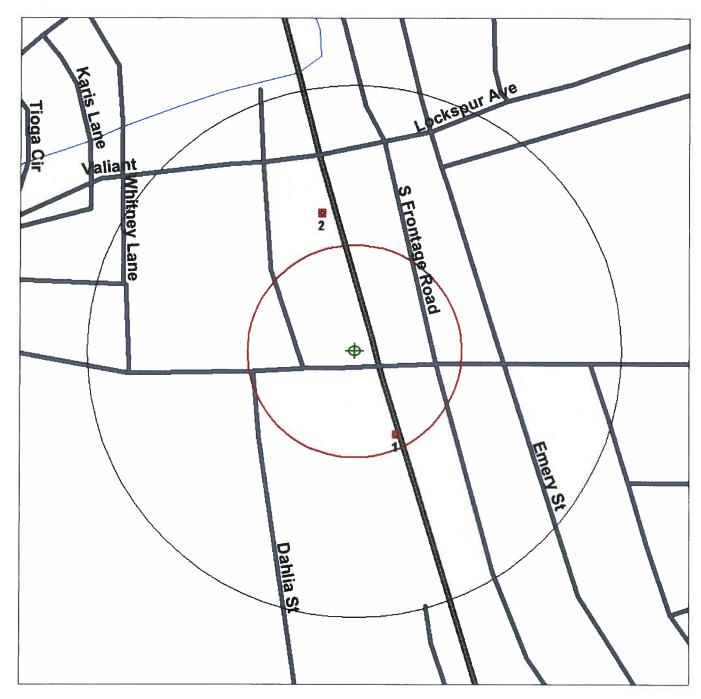




.25 Mile Radius AAI: Multiple Databases



150 NORTH HIGHWAY 160, PAHRUMP NV 89048



Source: U.S. Census TIGER Files					
Target Site (Latitude: 36.219275 Longitude: -115.994918)	+		-	Coal Gasification	
Identified Site, Multiple Sites, Receptor	50	lack			
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste	$\otimes\!\!\!\otimes$				
Triballand	$\otimes \otimes$				

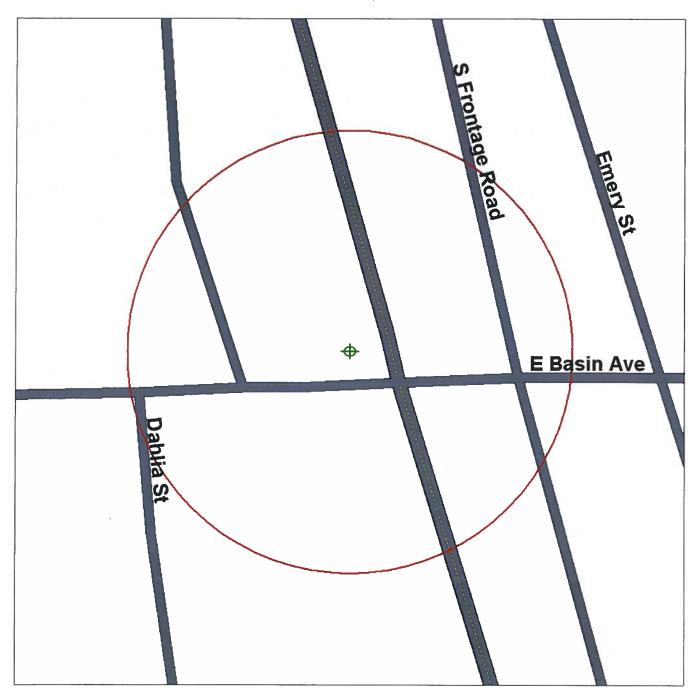
Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



.12 Mile Radius AAI: Multiple Databases



150 NORTH HIGHWAY 160 , PAHRUMP NV 89048



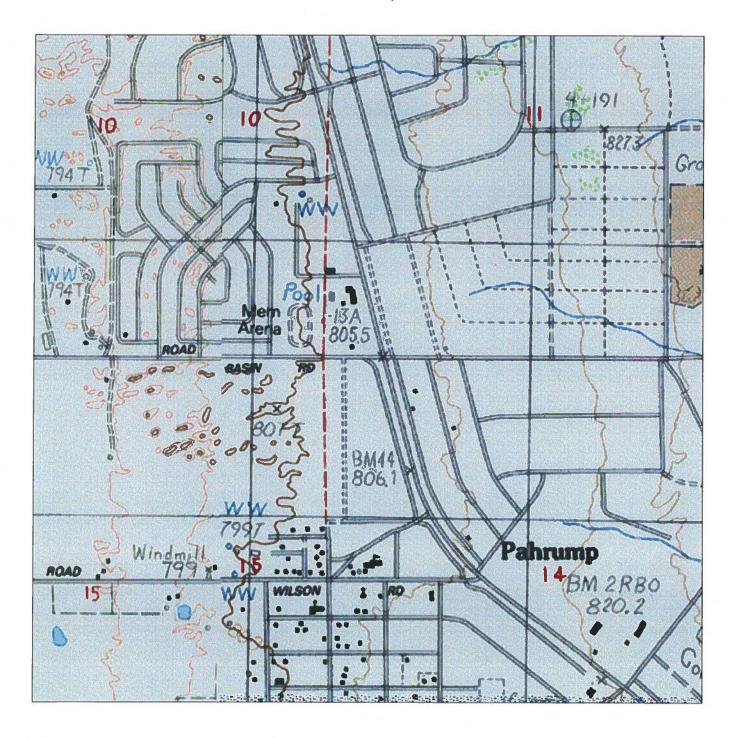
ource: U.S. Census TIGER Files					
Target Site (Latitude: 36.219275 Longitude: -115.994918)	\Phi		P	Coal Gasification	
Identified Site, Multiple Sites, Receptor	\times	A			
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste	$\otimes\!\!\otimes\!\!$				
Triballand	$\otimes\!\!\!\otimes$				
Pailmade	65310-26-3				

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius

Site Location Map

Topo: 0.75 Mile Radius

150 NORTH HIGHWAY 160, PAHRUMP NV 89048



SOURCE: SCANNED USGS TOPOGRAPHIC QUADRANGLES SCANNED BY MAPTECH AND USGS DISTRIBUTED AUGUST, 2005.

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius







Map Reference Code: 36115-B8-TM-024

Data Supplied by:

Date Created: 1984 Contour Interval: 10 meters

Date Revised: None Elevation: 2634

117801.01 FIGURE NO. 1

JOB NO.

Prepared by FirstSearch Technology Corporation 06-02-11 Map Name: PAHRUMP

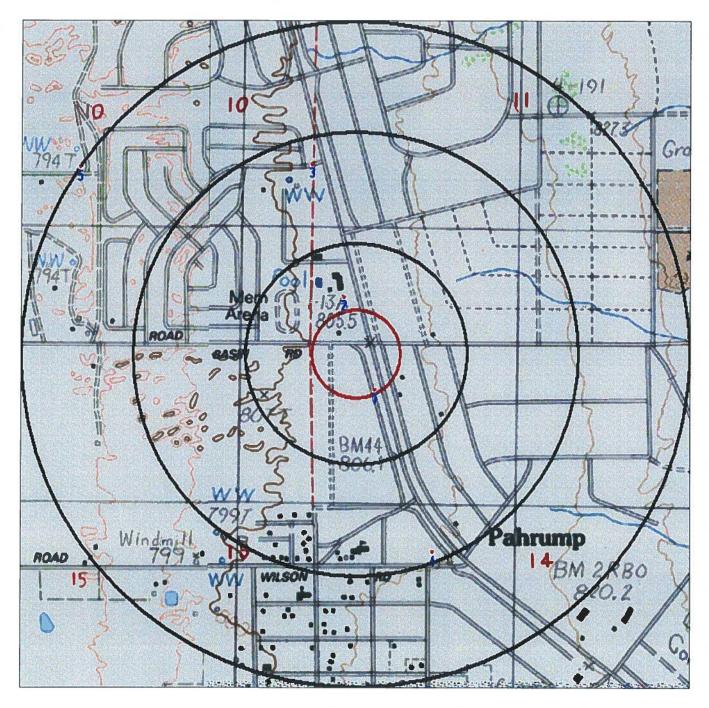


Topo: Current Map 0.75 Mile Radius









Coal Gasification....



APPENDIX C

USER QUESTIONNAIRE INTERVIEW QUESTIONNAIRES

USER QUESTIONNAIRE

Project Location/Address:

Bob Ruud Community Center

Pahrump, Nevada

Note: In order to qualify for one of the *Landowner Liability Protections (LLPs)*¹ offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the *User* must provide the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

(1.) Environmental cleanup liens that are filed or recorded against the site (40CFR312.25). Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?	Yes	No X∐	Unknown
(2.) Activity and land use imitations that are in place on the site or that have been filed or recorded in a registry (40CFR312.26).	Yes	No	Unknown
Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?			Χ□
(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40CFR312.28).	Yes	No	Unknown
As the <i>user</i> of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	Х□		
(4.) Relationship of the purchase price to the fair market value of the property if it were not contaminated (40CFR312.29).	Yes	No	Unknown
Does the purchase price being paid for this property reasonably reflect the fair market value of the property?	×П		
If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the <i>property?</i>			
(5.) Commonly known or reasonably ascertainable information about the property (40CFR312.30). (a.) Do you know the past uses of the property?	Yes	No	Unknown
(b.) Do you know of specific chemicals that are present or once were present at the	Χ□		
property? (c.) Do you know of spills or other chemical releases that have taken place at the	Χ□		
property!		X□	
(d.) Do you know of any environmental cleanups that have taken place at the property?	Χ□		
(6.) The degree of obviousness of the presence of likely presence of contamination at the <i>property</i> , and the ability to detect the contamination by appropriate investigation (40CFR312.31).	Yes	No	Unknown
As the <i>user</i> of this ESA, based on your knowledge and experience related to the <i>property</i> are there any obvious indicators that point to the presence or likely presence of contamination at the <i>property</i> ?		ж	

USER QUESTIONNAIRE (Continued)

In addition to the above 6 required questions, the following additional information is intended to assist the environmental professional but is not necessarily required to qualify for one of the LLPs:

- (a) The reason why the Phase I is required. Damage to the roof which caused a downpour inside the building.
- (b) The type of property and type of property transaction, for example, sale, purchase, exchange, etc. The Town of Pahrump owns the property and is looking at the best most cost effective way to spend tax payers money. Rebuild or renovate!
- (c) The complete and correct address for the property (a map or other documentation showing property location and boundaries is helpful), 150 N. Hwy 160 Pahrump, NV 89060 Parcel # 035-121-15
- (d) The scope of services desired for the Phase I (including whether any parties to the property transaction may have a required standard scope of services on whether any considerations beyond the requirements of Practice E1527 are to be considered),

Cost benefit analysis and overall report showing the entire condition of the Bob Ruud Community Center.

- (e) Identification of all parties who will rely on the Phase I report, Town of Pahrump - Local Government
- f) Identification of the site contact and how the contact can be reached. Mr. Matt Luis, Building & Grounds manager 775-764-0436 or mluis@pahrumpnv.org
- (g) Any special terms and conditions which must be agreed upon by the environmental professional, and None known at this time.
- (h) Any other knowledge or experience with the property that may be pertinent to the environmental professional (for example, copies of any available prior environmental site assessment reports. documents, correspondence, etc., concerning the property and its environmental condition). Already provided.

User Name/Company: Town of Pahrump Nevada

Address: 400 N Hwy 160 Pahrump, NV 89060

Signature: Date: 06/06/11

Deham Town Manager

¹Landowner Liability Protections, or LLPs, is the term used to describe the three types of potential defenses to Superfund liability in EPA's Interim Guidance Regarding Criteria Landowners Must Meet in Order to Qualify for Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCLA Liability ("Common Elements" Guide) issued on March 6, 2003.

²P.L .107-118.

³Activity and Use Limitations.

Phil Tousignant

From:

Dan Burns

Sent:

Wednesday, June 15, 2011 1:10 PM

To: Subject: Phil Tousignant FW: Pahrump,

Follow up

Follow Up Flag: Flag Status:

Flagged

Regarding the User Questionnaire....

From: Brian Loffman [mailto:BrianL@becnv.com]

Sent: Thursday, June 09, 2011 10:56 AM

To: Dan Burns

Cc: Eileen Christensen; Joshua Fortmann

Subject: RE: Pahrump,

Dan,

I spoke to Matt Luis and he said there are two septic systems at the Bob Ruud facility. One is north of the building (the one you pointed out to me) and the other is immediately west of the building adjacent to Room B.

As for the ESA User Questionnaire:

Matt said the answer to question 5b is just over the counter cleaning supplies, paint, etc., no hazardous materials have ever been present at the site to his knowledge.

He answered yes to question 5d in reference to the recent mold abatement. Other than that he is unaware of any previous environmental cleanups at the facility.

If you anything else please let me know.

Brian

From: Dan Burns [mailto:DBurns@kleinfelder.com]

Sent: Tuesday, June 07, 2011 2:01 PM

To: Brian Loffman

Cc: Eileen Christensen; Joshua Fortmann

Subject: Pahrump,

Brian,

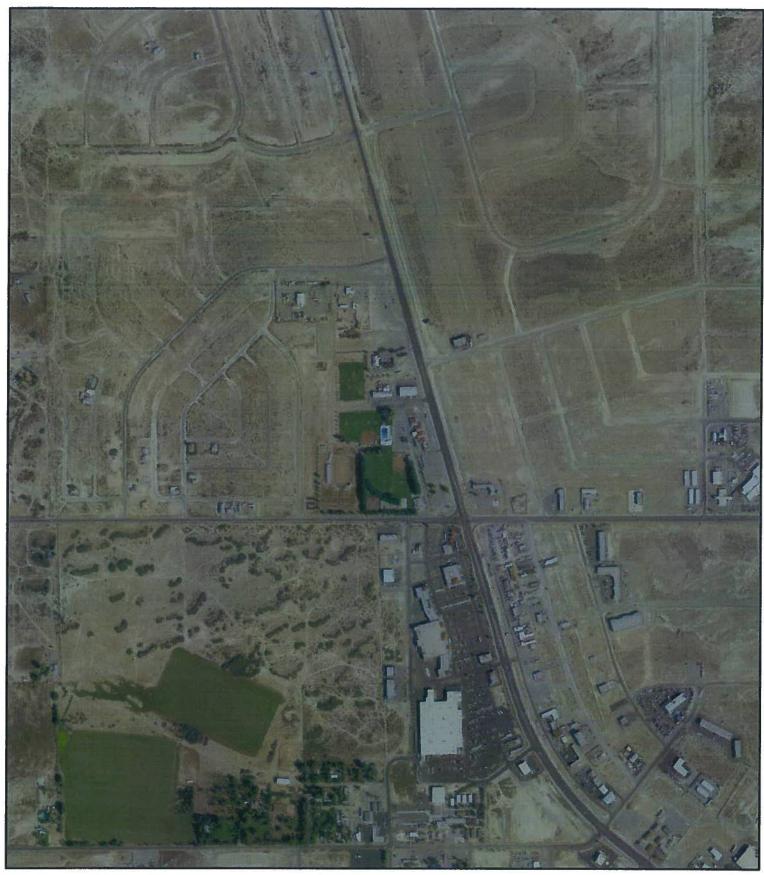
I have not received a reply from Matt Louis.

Can you call Town of Pahrump and ask them to elaborate on User Questionnaire, Question 5 b and d. (What are the specific chemicals and what was the environmental cleanup?) There is no listing of a corrective action for the property.

Also need to know if they have drawings showing the location of the septics. The Assessor information shows 1 location, Matt said there were two.

Dan

APPENDIX D HISTORICAL RESEARCH DOCUMENTATION



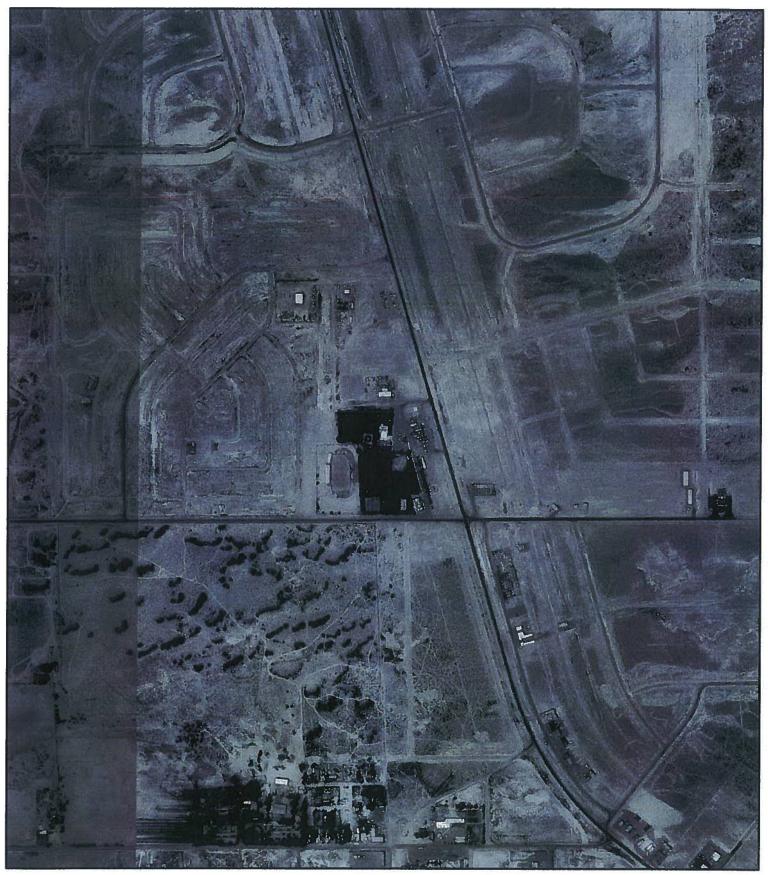


Historical Aerial Photo 2006 **150 NORTH HIGHWAY 160**

PAHRUMP, NV 89060









Historical Aerial Photo 1990 **150 NORTH HIGHWAY 160** PAHRUMP, NV 89060



Target Site: 36.221394 -115.995509; Job Number: 117801_01





Historical Aerial Photo 1983 150 NORTH HIGHWAY 160 PAHRUMP, NV 89060



Target Site: 36.221394 -115.995509; Job Number: 117801_01

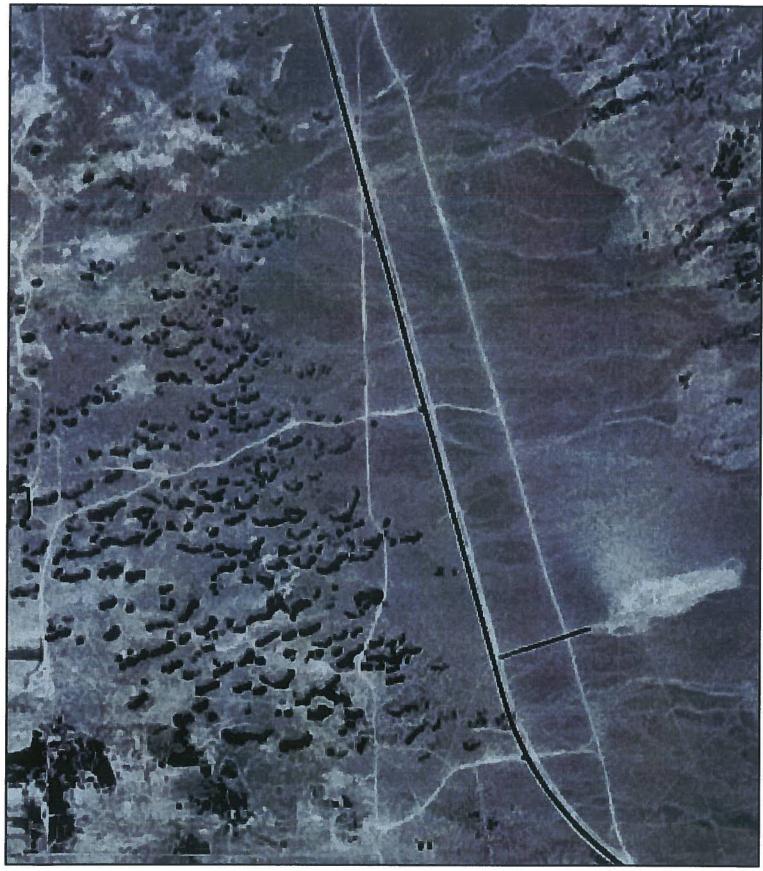




Historical Aerial Photo 1973 150 NORTH HIGHWAY 160 PAHRUMP, NV 89060



Target Site: 36.221394 -115.995509; Job Number: 117801_01





Historical Aerial Photo 1953 150 NORTH HIGHWAY 160 PAHRUMP, NV 89060







Historical Aerial Photo 1945 **150 NORTH HIGHWAY 160** PAHRUMP, NV 89060



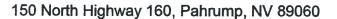
1 inch equals 750 feet

911-8

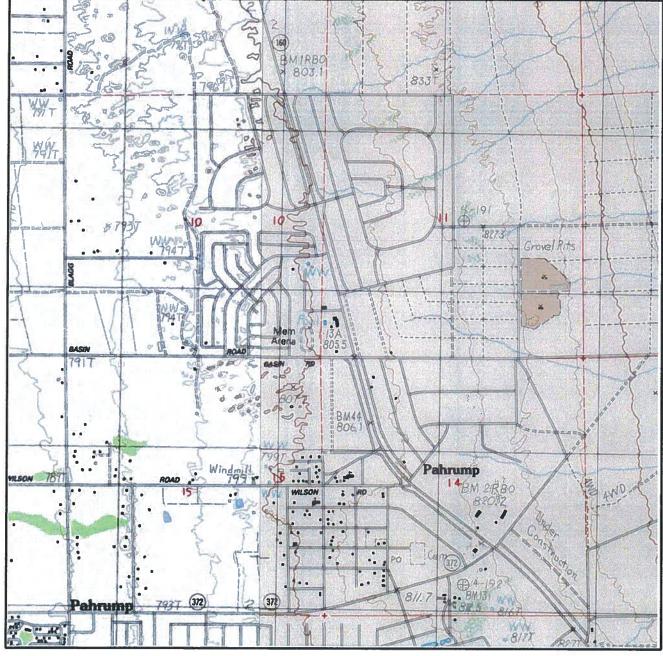
Environmental FirstSearch

Historical Topographic Map









Job Number: 117801.01 Target Site: 36.221394, -115.995509

W Quad Name: Stewart Valley, NV

Year: 1984

0 miles 0.5

Building - Railroad

Topo Contour Tanks

Depression Primary Highway

Quarry or Open Pit Mine × Trail



Environmental FirstSearch

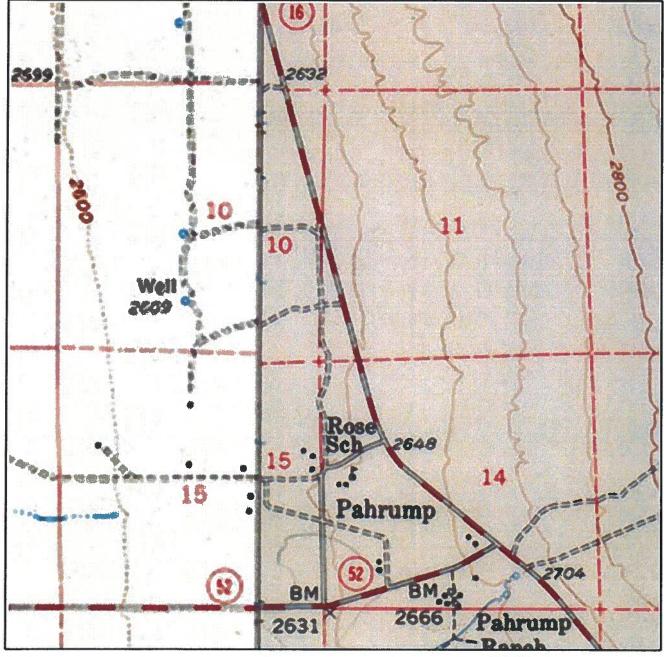
Historical Topographic Map



Quad Name: Pahrump, NV Year: 1958 Original Map Scale: 1:62,500

150 North Highway 160, Pahrump, NV 89060





Job Number: 117801.01 Target Site: 36.221394, -115.995509

W Quad Name: Stewart Valley, NV

Year: 1958

0 miles Building Railroad **Topo Contour** Tanks Depression Primary Highway Quarry or Open Pit Mine Trail



CITY DIRECTORY REVIEW

Report Date: 5/31/2011

Client Job Number: 117801.01

FirstSearch Index Number: 266192

Site Address(es): 150 NORTH HIGHWAY 160

PAHRUMP, NV 89060

A search was conducted for the subject area noted above to identify any Historical City Directory coverage/tenant information maintained at national repositories, local city/town libraries and/or various public sources.

The following information is the result of the search:

Year/Source	Address (es)	Listings
07/Cole Directory		
_	25 N Highway 160 Pahrump, NV:	Barker, Tracy
_	41 N Highway 160 Pahrump, NV:	Bracamontes & Sons Plastering
_		First Choice Pregnancy Center
_		Medical Mart
		Sandve, Mel
-	250 N Highway 160 Pahrump, NV:	Nye County Animal Shelter
		Nye County Emergency Hazardous Mater
-	1 2 4 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Nye County Public Health Nurse
_		Search & Rescue Southern Nye
	300 N Highway 160 Pahrump, NV:	Nye County Pahrump Ambula
		Pahrump Valley Fire Rescue Service
	400 N Highway 160 Pahrump, NV:	Nye County Pahrump Town Office
	500 N Highway 160 Pahrump, NV:	Nye County Road Dept
4/Cole Directory		
	25 N Highway 160 Pahrump, NV:	Barker, Tracy
	41 N Highway 160 Pahrump, NV:	Crisis Pregnancy Ctr Of Phrmp
		Human Resources Nevada Dept
_		Sandve, Mel
-		Silvercrest Of Nevada
	3333 100 50	Uniko Beauty Salon
-	150 N Highway 160 Pahrump, NV:	Towns, Wanda
_	250 N Highway 160 Pahrump, NV:	Nye County Treasurer
		Search & Rescue Sthrn Nye Cnty
_	300 N Highway 160 Pahrump, NV:	Nye County Ambulance
		Pahrump Volunteer Fire & Rsc

Year/Source	Address (es)	Listings
2004/Cole Directory		
	400 N Highway 160 Pahrump, NV:	Town Of Pahrump
	500 N Highway 160 Pahrump, NV:	Nye County Road Dept
2000/Cole Directory		
	5500 N Highway 160 Pahrump, NV:	Jans Place
1995/Cole Directory		
	0 Highway 160 Pahrump, NV:	Just Country
'Baariaaaaa <u>a</u>		Rogers Mobile Sales & Towing
1992/Cole Directory		
	Stre	et Not Listed

GLOSSARY OF TERMS

- "No Listing/Not Listed" address not listed in the directory
- "Vacant" or "No Current Listing" status of address in directory
- "Residential Listing" one residential listing located at address
- "Multiple Residential Listings" more than one residential listing located at address
- "Multiple Retail Listings" more than one retail facility located at address
- "Multiple Business Listings" more than one business listing at address
- "Multiple Government Offices" more than one federal listing at an address
- "Multiple Municipal Listings" more than one municipal listing at an address
- "Multiple Military Listings" more than one military listing at an address
- "Street Not Listed" street not listed in directory

When multiple tenants/facilities are observed for one address, the information may be summarized as shown in the following examples:

- *An apartment building will be represented by "Multiple Residential Listings"
- * A retail shopping center will be represented by "Multiple Retail Listings" followed by a separate listing of sites, if present, which may contain the use of regulated/chemical/hazardous materials such as dry cleaners, photo finishers, hair salons, auto repair shops, etc.
- * An office building consisting of attorneys, insurance, firms, or other facilities which do not indicate the use of regulated/chemical/hazardous materials will be represented by "Multiple Business Listings"

Residential addresses, including individual houses and apartment buildings, are listed as residential. Names of tenants can be provided if needed.

Unless otherwise noted, the subject address (es) plus four adjacent addresses up from the subject property and four addresses down from the subject property are included in the report, if available.

Although great care has been taken by FirstSearch Technology Corporation in compiling and verifying the information contained in this report to insure that it is accurate, FirstSearch Technology Corporation disclaims any and all liability for any errors, omissions, or inaccuracies in such information and data.

APPENDIX E ASBESTOS REGULATORY OVERVIEW

REGULATORY OVERVIEW FOR ASBESTOS

Regulatory oversight for the management, removal, and disposal of asbestoscontaining materials (ACMs) is provided by a variety of Federal, State, and local agencies.

The three primary regulations enforced by regulatory agencies that govern various activities (e.g., inspection, assessment, abatement, etc.) relating to ACMs include the following: Asbestos Hazard Emergency Response Act (AHERA), National Emission Standards for Hazardous Air Pollutants (NESHAP), and the Asbestos Construction Safety Standard (as codified in Federal OSHA and Nevada OSHA regulations, EPA regulations concerning the identification, handling, management, and abatement of ACMs (as found in the AHERA and NESHAP) are implemented locally by the Clark County Department of Air Quality and Environmental Management Division (CCDAQEM) and the State of Nevada Department of Business and Industry – Asbestos Control Program (NDBIACP). Both Federal OSHA and Nevada OSHA regulate asbestos as a worker health and safety issue. The Federal OSHA, EPA, and CCDAQEM define ACMs as materials containing greater than one-percent asbestos.

The following is a brief description of the three major regulations relating to ACMs.

Asbestos Hazard Emergency Response Act (AHERA)

AHERA (40 CFR part 763), as implemented by the EPA, primarily pertains to the assessment and management of ACMs in Kindergarten (K) through 12th grade non-profit schools. However, many of the procedures, training requirements, and certifications defined by AHERA have become the industry standard for all other facilities.

National Emission Standard for Hazardous Air Pollutants (NESHAP)

NESHAP (40 CFR Part 61) is an asbestos standard that protects the general public from asbestos exposure due to renovation or demolition activities. NESHAP requires surveying for suspect materials (as defined above), notifying of intent to renovate or demolish, removal of regulated ACM (RACM) prior to renovation or demolition, and proper management of asbestos-containing wastes. A RACM is defined by NESHAP as follows:

Any friable ACM;

- A Category I non-friable ACM (such as floor tiles and asphalt roofing products) that
 has become friable or will be subject to sanding, grinding, cutting, or abrading during
 renovation or demolition activities; or
- A Category II non-friable ACM (all other non-friable ACMs) that has a high probability of becoming friable during demolition or renovation activities.

NESHAP requires that demolition activities be conducted with no visible emissions using wet methods. It should be noted that while NESHAP regulates renovation and demolition activities, it does not protect individual workers conducting asbestos abatement or provide instructions for how asbestos abatement projects should be conducted.

Asbestos Standard for the Construction Industry

The Asbestos Standard for the Construction Industry (Federal OSHA, 29 CFR 1926.1101) regulates asbestos exposure in the work place. This includes both persons working in a building containing ACMs and asbestos abatement workers/contractors. For abatement workers and contractors, the Asbestos Standard for Construction (Construction Standard) regulates the following:

- Protection of workers and the public during the removal;
- Medical surveillance requirements for workers;
- Detailed requirements for how asbestos is to be removed; and
- Training requirements for abatement personnel.

As previously noted, building materials containing greater than one percent asbestos are considered ACMs, and should be managed accordingly. Friable ACMs (RACMs) are regulated as Class I asbestos work and subject to the State of Nevada licensing regulations. The NESHAP regulations mandate the removal of RACMs prior to building demolition or renovation and also Category I or II non-friable materials that may become friable. In addition, any disturbance of a RACM caused by renovation or demolition activities, whether it is removing/replacing interior building components, repairing building components, or painting a friable asbestos-containing surface, is also governed by NESHAP regulations.

APPENDIX F

ASBESTOS SURVEY TABLE F-1, SAMPLE LOCATION MAP, PHOTO LOG, AND LABORATORY ANALYTICAL REPORT

TABLE F-1

Summary of Limited Asbestos Survey Results Bob Ruud Community Center, Pahrump, Nevada

		e taga community contol, l'amamp, l		anily, itevada		
Sample	Sample			Asbestos	Observed	Estimated
.ioN	Location	Sample Description	Layers	Content (PI M)	Condition Friability	Material Amorint
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		Aspnanc	Layer 4	Q	တ	
			Layer 5	QN	9	
			Layer 1	Q	၅	>7,000 sf
PE-ACM-002h	7	Roofing Material -	Layer 2	Q	ව	
0200-1810-181	Area I - Roor	Asphaltic	Layer 3	Q	O	
			Layer 4	QV	တ	
			Layer 1	1-2% chrysotile	တ	>7,000 sf
RE-ACM-003c	Aron 1 Doof	Roofing Material -	Layer 2	ND	უ	
	אופש ו - עססו	Asphaltic	Layer 3	QN		
			Layer 4	QN	9	
			Layer 1	1-2% chrysotile	9	>7,000 sf
			Layer 2	ND	Э	
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			Layer 5	ON	9	
			Layer 1	1-2% chrysotile	9	>7,000 sf
			Layer 2	QN	9	
RF-ACM-005e	Area 1 - Roof	Asphaltic	Layer 3	ND	တ	
			Layer 4	ND	တ	
			Layer 5	ND		
			Layer 1	1-2% chrysotile	တ	>7,000 sf
RF-ACM-006f	Area 1 - Roof	Acobaltic	Layer 2	ND	ŋ	
			Layer 3	QN	9	
			Layer 1	1-2% chrysotile	တ	>7,000 sf
RF-ACM-007g	Area 1 - Roof	Roofing Material -	Layer 2	QN	9	
	001 - 807	Asphaltic	Layer 3	ND	ტ	
			Layer 4	ND	ŋ	
	1.11		Layer 1	1-2% chrysotile	ŋ	>7,000 sf
RF-ACM-008h	Area 1 - Roof	Asphaltic	Layer 2	10-20% chrysotile	O	
RF-ACM-009i	Area 1 - Roof	Roofing Material -	Layer 1	1-2% chrysotile	Э	>7,000 sf
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Page 1 of 10

Sample Sample Location Sample Location Sample Location Sample Location Content Condition Content Condition Content Condition Content Condition Content Condition Content Condition Condition Condition Condition Condition Condition Condition G C Condition G C Condition G C <	The Control of the Co		3. Carlo (1.45) 2004	V Section Annual Conf.	V I V		Township of the state of the st
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Sample Sample Sample No. Location Area 2 – Storage Ceiling Acc ENT-ACM-001a Area 3 - Entryway 2'x2' Whii ENT-ACM-002b Area 3 - Entryway 2'x2' Whii ENT-ACM-003c Area 3 - Entryway 2'x2' Whii ENT-ACM-004d Area 3 - Entryway 12" Beigo ENT-ACM-005e Area 3 - Entryway 12" Beigo ENT-ACM-004d Area 4 - Grey Cove BRF-ACM-001a Bathroom N BRF-ACM-003c Area 4 - Grey Cove BRF-ACM-003c Area 4 - Grey Cove Bathroom Wallbos BRF-ACM-004d Area 4 - Grey Cove Bathroom Wallbos BRF-ACM-005e Bathroom Valilbos	The state of the s	CONTRACTOR OF STREET,		Control of the Contro	The same of the sa
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Area 3 - Entryway Area 4 - Bathroom Area 4 - Bathroom Area 4 - Bathroom Area 4 - Bathroom Bathroom Bathroom	12" Beige Vinyl Tile +	Layer 1	2-5% chrysotile	P-F/G**	<1,000 sf
Area 3 - Entryway Area 4 - Bathroom Area 4 - Bathroom Area 4 - Bathroom Area 4 - Bathroom Bathroom Area 4 - Bathroom		Layer 2	QN	P-F/G**	
Area 3 - Entryway Area 4 - Bathroom Area 4 - Bathroom Area 4 - Bathroom Area 4 - Bathroom Bathroom		Layer 1	2-5% chrysotile	P-F/G**	<1,000 sf
Area 3 - Entryway Area 4 - Bathroom Area 4 - Bathroom Area 4 - Bathroom Area 4 - Bathroom Bathroom		Layer 2	Q	P-F/G**	
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Area 4 - Bathroom Area 4 - Bathroom Area 4 - Bathroom Bathroom	Grey Cove Base + Brown	Layer 1	Q	P-F/G**	50 lf
Area 4 - Bathroom Area 4 - Bathroom Area 4 - Bathroom Area 4 -	Mastic	Layer 2	QN	P-F/G**	
Area 4 - Bathroom Area 4 - Bathroom Area 4 - Bathroom	Grey Cove Base + Brown	Layer 1	Q	P-F/G**	50 lf
Area 4 - Bathroom Area 4 - Bathroom Area 4 - Bathroom	Mastic	Layer 2	N	P-F/G**	
Bathroom Area 4 - Bathroom Area 4 - Bathroom	Grey Cove Base + Brown	Layer 1	QN	P-F/G**	50 If
Area 4 - Bathroom Area 4 - Bathroom	Mastic	Layer 2	QN	P-F/G**	
Area 4 - Bathroom Area 4 - Bathroom		Layer 1	QN	**5	<1,000 sf
Bathroom Area 4 - Bathroom	Wallboard + White	Layer 2	QN	***	
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Area 4 - Bathroom		Layer 2	QN	***	
Bathroom	Wallboard + White	Layer 3	QN	C**	
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Area 5 – Table Room Area 7 –				Layer 1	ND	C**	<1,000 sf
Area 4 - 12" Vinyl Tile(Blue) + Layer 1	BRF-ACM-006f	Area 4 - Bathroom	Wallboard + White	Layer 2	ON	C**	
Area 4- 12" Vinyl Tile(Blue) + Brown Mastic Layer 2 Layer 2 Layer 2 ND ND Area 4- 12" Vinyl Tile(Blue) + Brown Mastic Layer 3 ND ND Area 4- 12" Vinyl Tile(Blue) + Brown Mastic Layer 2 ND ND Area 4- 12" Vinyl Tile(Blue) + Brown Mastic Layer 2 ND ND Area 4- 12" White Vinyl Tile + Brown Mastic Layer 2 ND ND Area 4- 12" White Vinyl Tile + Brown Mastic Layer 2 ND ND Area 5- Table Room Wallboard + White Smooth Texture Layer 3 ND ND Area 5- Table Room Wallboard + White Smooth Texture Layer 3 ND ND Area 5- Table Room Wallboard + White Smooth Texture Layer 3 ND ND Area 5- Table Room Wallboard + White Smooth Texture Layer 3 ND ND Area 5- Table Room Wallboard + White Smooth Texture Layer 2 ND Layer 3 ND Area 5- Table Room Wallboard + White Smooth Texture Layer 2 ND Layer 3 ND Area 5- Table Room Tayer 4 Layer 1 ND Layer 2 ND ND Area 5- Table Room Tayer 2 ND			O INVO	Layer 3	QN	C**	
Bathroom Brown Mastic Layer 2 ND Area 4 - Bathroom 12" Vinyl Tile(Blue) + Layer 3 ND Area 4 - Bathroom 12" Vinyl Tile(Blue) + Layer 1 ND Area 4 - Bathroom 12" White Vinyl Tile + Layer 1 Layer 2 ND Area 4 - Bathroom 12" White Vinyl Tile + Layer 1 Layer 2 ND Area 4 - Brown Mastic Layer 1 ND ND Area 4 - Brown Mastic Layer 1 ND ND Area 5 - Table Wallboard + White Vinyl Tile + Layer 1 Layer 2 ND ND Area 5 - Table Room Wallboard + White Vinyl Tile + Layer 1 ND Layer 3 ND Area 5 - Table Room Wallboard + White Vinyl Tile + Layer 1 Layer 3 ND Layer 3 Area 5 - Table Room Wallboard + White Som Layer 2 ND Layer 3 ND Area 5 - Table Room Wallboard + White Som Layer 2 ND Layer 3 ND Area 5 - Table Room Layer 1 ND Layer 2 ND Layer 3 ND Area 5 - Table Room	BRF-ACM-007a	Area 4 -	12" Vinyl Tile(Blue) +	Layer 1	QN	P-F/G**	<1,000 sf
Area 4 - 12" Vinyl Tile(Blue) + Layer 1 ND Area 4 - 12" Vinyl Tile(Blue) + Layer 2 ND Area 4 - 12" White Vinyl Tile + Layer 1 ND Area 4 - 12" White Vinyl Tile + Layer 2 ND Area 4 - 12" White Vinyl Tile + Layer 2 ND Area 4 - 12" White Vinyl Tile + Layer 2 ND Area 5 - Table Room Area 5 - Table Area 5 - Table Room Area 5 - Table Area 5 - Table Room Area 5 - Table Area 5 - Table Room Area 5 - Table Area 5 - Table Room Area 5 - Table Room Area 5 - Table Area 5 - Table Room Area 5 - Table Area 5 - Table Area 5 - Table Room Area 5 - Table Room Area 5 - Table Area 5 - Table Area 5 - Table Room Area 5 - Table Area 5 - Table Room Area 5 - Table Area 5 - Table Buown Mastic Layer 1 ND Layer 2 Layer 1 ND Layer 3 ND Layer 3 ND Layer 4 Area 5 - Table Smooth Texture Layer 3 ND Layer 4 Area 5 - Table Room Area 5 - Table Buown Mastic Layer 3 ND Layer 3 ND Layer 4 Area 5 - Table Area 5 - Table Buown Mastic Layer 1 ND Layer 3 ND Layer 3 ND Layer 4 Area 5 - Table Nallboard + White Layer 3 ND Layer 3 ND Layer 4 Area 5 - Table Room Area 5 - Table Room Area 5 - Table Area 7 - Table A		Bathroom	Brown Mastic	Layer 2	QN	P-F/G**	
Area 4 - 12" Vinyl Tile(Blue) + Layer 2 ND Area 4 - 12" Vinyl Tile(Blue) + Layer 1 ND Area 4 - 12" White Vinyl Tile + Layer 2 ND Area 4 - 12" White Vinyl Tile + Layer 2 ND Bathroom Area 5 - Table Room Area 5 - Table Area 7 - Area Area		7 000		Layer 1	QN	P-F/G**	<1,000 sf
Area 4 - 12" Vinyl Tile Blue) + Layer 1 ND Area 4 - 12" White Vinyl Tile + Layer 2 ND Area 4 - 12" White Vinyl Tile + Layer 3 ND Area 4 - 12" White Vinyl Tile + Layer 1 ND Area 5 - Table Room Area 5 - Table Area 5 - Table Room Area 5 - Table Area 5 - Table Room Area 5 - Table Area 5 - Table Area 5 - Table Bathroum Area 5 - Table Area 5 - Table Room Area 5 - Table Area 5 - Table Area 5 - Table Room Area 5 - Table Area 5 - Table Room Area 5 - Table Area 7 - Ar	BRF-ACM-008h	Area 4 - Bathroom	12 VINVI IIIe(Blue) + Brown Mastic	Layer 2	QN	P-F/G**	
Area 4 - Brown Mastic Layer 2 Layer 2 Layer 2 Layer 2 Layer 2 Layer 3 Layer 4 Layer 7 Layer 8 Layer 8 Layer 9 Layer 1 ND Layer 9 Layer 1 ND Layer 9 Layer 1 ND Layer 1 ND Layer 1 ND Layer 1 ND Layer 9 Layer 1 ND Layer 1 ND Layer 1 ND Layer 1 Layer 1 ND Room Smooth Texture Layer 1 ND Room Room Rastic Layer 1 ND Layer 1 ND Layer 1 ND Layer 1 ND Room Room Brown Mastic Layer 2 ND ND Room Room Rasic Layer 1 Layer 1 ND Room Room Rasic Layer 1 ND Layer 1 N				Layer 3	QN	P-F/G**	
Bathroom Brown Mastic Layer 1 ND Area 4 - Bathroom 12" White Vinyl Tile + Layer 3 Layer 3 ND Area 4 - Bathroom 12" White Vinyl Tile + Layer 1 Layer 3 ND Area 5 - Table Room Area 5 - Table Room Wallboard + White Smooth Texture Room Layer 3 ND Area 5 - Table Room Wallboard + White Smooth Texture Room Layer 3 ND Area 5 - Table Room Wallboard + White Smooth Texture Room Layer 3 ND Area 5 - Table Room Wallboard + White Smooth Texture Room Layer 3 ND Area 5 - Table Room Wallboard + White Smooth Texture Room Layer 3 ND Area 5 - Table Room Wallboard + White Smooth Texture Room Layer 3 ND Area 5 - Table Room Layer 1 ND Area 5 - Table Room Layer 2 ND Area 5 - Table Room Layer 3 ND Area 5 - Table Room Layer 1 ND	BRF-ACM-009i	Area 4 -	12" Vinyl Tile(Blue) +	Layer 1	ND	P-F/G**	<1,000 sf
Area 4 - 12" White Vinyl Tile + Layer 2 ND Area 4 - 12" White Vinyl Tile + Layer 1 ND Area 5 - Table Room Area 5 - Table Area 5 - Table Room Area 5 - Table Room Area 5 - Table Area 5 - Table Room Area 5 - Table Area 5 - Table Room Area 5 - Table Area 5 - Table Room Area 5 - Table Wallboard + White Layer 1 ND Layer 2 ND Layer 3 ND Layer 3 ND Layer 3 ND Layer 4 Canysotile Layer 3 ND Layer 1 ND Layer 1 ND Layer 3 ND Layer 3 ND Layer 3 ND Layer 4 Canysotile Layer 5 ND Layer 7 ND Layer 7 ND Layer 8 ND Layer 9 ND Layer 9 ND Layer 9 ND Layer 1 ND Layer 1 ND Layer 1 ND Area 5 - Table Smooth Texture Layer 1 ND Layer 1 ND Layer 1 ND Layer 1 ND Layer 2 ND Area 5 - Table Smooth Texture Layer 1 ND Layer 1 ND Layer 2 ND Room Area 5 - Table Wallboard + White Layer 1 ND Layer 1 ND Layer 1 ND Layer 1 ND Layer 2 ND Layer 1 ND Layer 1 ND Layer 1 ND Layer 1 ND Layer 2 ND Layer 3 ND Layer 3 ND Layer 4 Canyor 1 ND Layer 1 ND Layer 1 ND Layer 2 ND Layer 2 ND Layer 3 ND Layer 3 ND Layer 4 Canyor 1 ND Layer 1 ND Layer 1 ND Layer 2 ND Layer 2 ND Layer 3 ND Layer 3 ND Layer 3 ND Layer 4 Canyor 1 ND Layer 1 ND Layer 1 ND Layer 2 ND Layer 2 ND Layer 3 ND Layer 3 ND Layer 3 ND Layer 4 Canyor 1 ND Layer 5 ND Layer 6 ND Layer 7 ND Layer 8 ND Layer 9 ND Layer 9 ND Layer 9 ND Layer 1 ND Layer 2 ND Layer 2 ND Layer 3 ND Layer 3 ND Layer 4 Canyor 1 ND Layer 4 Canyor 1 ND Layer 5 ND Layer 6 ND Layer 7 ND Layer 7 ND Layer 7 ND Layer 8 ND Layer 9 ND Layer		Bathroom	Brown Mastic	Layer 2	QN	P-F/G**	
Area 4 - 12' White Vinyl Tile + Layer 2 ND Area 4 - 12'' White Vinyl Tile + Layer 1 ND Area 5 - Table Room Area 5 - Table Brown Mastic Layer 2 Layer 3 ND Layer 1 ND Layer 3 ND Layer 4 Layer 3 ND Layer 3 ND Layer 3 ND Layer 4 Layer 3 ND Layer 3 ND Layer 3 ND Layer 4 Layer 3 ND Layer 3 ND Layer 3 ND Layer 4 Layer 3 ND Layer 3 ND Layer 4 Layer 3 ND Layer 1 ND Layer 3 ND Layer 4 Layer 3 ND Layer 4 Layer 3 ND Layer 7 ND Layer 3 ND Layer 3 ND Layer 4 Layer 3 ND Layer 4 Layer 3 ND Layer 7 ND Layer 8 ND Layer 9 ND Layer 1 ND			7	Layer 1	QN	P-F/G**	<1,000 sf
Area 5 – Table Room Area 5 – Table Area 5 – Table Room Area 5 – Table Area 7 – Ta	BRF-ACM-010j	Area 4 - Bathroom	12" White Vinyl Life + Brown Mastic	Layer 2	QN	P-F/G**	
Area 4 - Bathroom 12" White Vinyl Tile + Bathroom Layer 1				Layer 3	ND	P-F/G**	
Bathroom Brown Mastic Layer 2 ND Area 4 - Bathroom 12" White Vinyl Tile + Bathroom Layer 1 ND Area 5 - Table Room Wallboard + White Room Layer 3 -1% Chrysotile Layer 3 Area 5 - Table Room Wallboard + White Smooth Texture Room Layer 4 -=1% Chrysotile Layer 3 Area 5 - Table Room Wallboard + White Smooth Texture Room Layer 1 ND Area 5 - Table Room Wallboard + White Smooth Texture Layer 3 Layer 1 ND Area 5 - Table Room Wallboard + White Smooth Texture Room Layer 1 ND Area 5 - Table Room Wallboard + White Smooth Texture Room Layer 1 ND	BRF-ACM-011k	Area 4 -	12" White Vinyl Tile +	Layer 1	ND	P-F/G**	<1,000 sf
Area 5 – Table Room Area 7 – Area 7		Bathroom	Brown Mastic	Layer 2	QN	P-F/G**	
Area 5 – Table Room Area 5 – Table Smooth Texture Layer 3 ND Area 5 – Table Smooth Texture Layer 3 ND Area 5 – Table Smooth Texture Layer 3 ND Area 5 – Table Smooth Texture Layer 3 ND Area 5 – Table Smooth Texture Layer 3 ND Area 5 – Table Smooth Texture Layer 3 ND Area 5 – Table Smooth Texture Layer 3 ND Area 5 – Table Smooth Texture Layer 3 ND Area 5 – Table Smooth Texture Layer 3 ND Area 5 – Table Smooth Texture Layer 3 ND Area 5 – Table Smooth Texture Layer 3 ND Area 5 – Table Smooth Texture Layer 3 ND Area 5 – Table Smooth Texture Layer 3 ND	BRF-ACM-012	Area 4 -	12" White Vinyl Tile +	Layer 1	Q	P-F/G**	<1,000 sf
Area 5 – Table Room Area 5 – Table Smooth Texture Layer 2 ND Area 5 – Table Smooth Texture Layer 2 ND Area 5 – Table Smooth Texture Layer 2 ND Area 5 – Table Smooth Texture Layer 2 ND Area 5 – Table Smooth Texture Layer 2 ND Area 5 – Table Smooth Texture Layer 2 ND		Bathroom	Brown Mastic	Layer 2	QN	P-F/G**	
Area 5 – Table Room Area 7 – Table Room Area 5 – Table Room Area 7 – Table Room Area 8 – Table Room Area 7 – Table Room Area 8 – Table Room Area 9 – Table Room Area 9 – Table Room Area 1 –			4	Layer 1	ND	C**	<1,000 sf
Area 5 – Table Room Smooth Texture Smooth Texture Layer 4 c=1% Chrysotile ND Area 5 – Table Room Wallboard + White Room Layer 2 Layer 3 ND ND Area 5 – Table Room Wallboard + White Smooth Texture Room Layer 2 ND ND Area 5 – Table Room Smooth Texture Smooth Texture Smooth Texture Room Layer 2 ND ND Area 5 – Table Room Brown Mastic Layer 1 ND ND				Layer 2	<=1% Chrysotile	C **	
Area 5 – Table Room Area 5 – Table Room Smooth Texture Layer 2 ND Area 5 – Table Smooth Texture Layer 3 ND Area 5 – Table Smooth Texture Layer 3 ND Area 5 – Table Smooth Texture Layer 2 ND Area 5 – Table Smooth Texture Layer 2 ND Area 5 – Table Smooth Texture Layer 2 ND Area 5 – Table Smooth Texture Layer 3 ND Area 5 – Table Smooth Texture Layer 3 ND Area 5 – Table Smooth Texture Layer 3 ND Area 5 – Table Smooth Texture Layer 3 ND	TR-ACM-001a	Area 5 - Table Room	Smooth Texture	Layer 3	QN	C **	
Area 5 – Table Room Wallboard + White Smooth Texture Layer 1 Layer 2 Layer 3 Layer 3 ND Area 5 – Table Room Wallboard + White Smooth Texture Room Layer 2 Layer 3 ND ND Area 5 – Table Room Smooth Texture Smooth Texture Smooth Texture Layer 3 ND Layer 3 ND ND Area 5 – Table Room 12" Grey Vinyl Tile + Layer 1 ND Layer 2 ND ND				Layer 4	<=1% Chrysotile	**9	
Area 5 – Table Room Wallboard + White Smooth Texture Layer 2 Layer 3 Layer 3 Layer 3 ND ND Area 5 – Table Room Wallboard + White Smooth Texture Room Layer 2 Layer 2 ND ND Area 5 – Table Room 12" Grey Vinyl Tile + Room Layer 1 ND Area 5 – Table Room 12" Grey Vinyl Tile + Layer 1 ND				Layer 5	QN	**9	
Area 5 – Table Smooth Texture Layer 2 ND Area 5 – Table Smooth Texture Layer 1 ND Area 5 – Table Smooth Texture Layer 2 ND Area 5 – Table Smooth Texture Layer 3 ND Area 5 – Table Brown Mastic Layer 2 ND		<u> </u>	1	Layer 1	QN	C**	<1,000 sf
Area 5 – Table Smooth Texture Layer 3 ND Area 5 – Table Smooth Texture Layer 2 ND Area 5 – Table 12" Grey Vinyl Tile + Layer 1 ND Room Brown Mastic Layer 2 ND	TR-ACM-002b	Area 5 - Table Room	Smooth Texture	Layer 2	QN	**Đ	
Area 5 – Table Smooth Texture Layer 1 ND Room Smooth Texture Layer 2 ND Area 5 – Table 12" Grey Vinyl Tile + Layer 1 ND Room Brown Mastic Layer 2 ND				Layer 3	QN	C**	
Area 5 – Table Smooth Texture Layer 2 ND Smooth Texture Layer 3 ND Area 5 – Table 12" Grey Vinyl Tile + Layer 1 ND Room Brown Mastic Layer 2 ND		j.	1	Layer 1	ND	G**	<1,000 sf
Area 5 – Table 12" Grey Vinyl Tile + Layer 1 ND Room Brown Mastic Layer 2 ND	TR-ACM-003c	Area 5 - Table Room	Smooth Texture	Layer 2	QN	G**	
Area 5 – Table 12" Grey Vinyl Tile + Layer 1 ND Room Brown Mastic Layer 2 ND	9			Layer 3	ΩN	C **	
Room Brown Mastic Layer 2 ND	TR-ACM-004d	Area 5 – Table	12" Grey Vinyl Tile +	Layer 1	ND	P-F/G**	<1,000 sf
		Room	Brown Mastic	Layer 2	ND	P-F/G**	

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Sample No.	Sample Location	Sample Description	Layers	Asbestos Content (PLM)	Observed Condition /Friability	Estimated Material Amount
			Layer 3	QN	P-F/G**	
TR-ACM-005e	Area 5 – Table Room	Grey 12" Vinyl Tile + Brown Mastic	Layer 1	Q	P-F/G**	<1,000 sf
	- - -		Layer 1	ND	P-F/G**	<1,000 sf
TR-ACM-006f	Area 5 - Lable Room	Grey 12" Vinyl Tile + Brown Mastic	Layer 2	ND	P-F/G**	
			Layer 3	ND	P-F/G**	
TR-ACM-0070	Area 5 - Table		Layer 1	ND	**5	<1,000 sf
800	Room		Layer 2	QN	*5	
TR-ACM-008h	Area 5 - Table		Layer 1	QN	**5	<1,000 sf
I DOD-MOV-VI	Room	Z XZ VVNITE CEIIING TIE	Layer 2	Q	**5	
TR-ACM-009i	Area 5 - Table	O. O. M. H. H. C. Sich	Layer 1	QN	** ©	<1,000 sf
100-100-11	Room	z xz vvnite celling Lile	Layer 2	ND	**Đ	
KT-ACM-001a	A Coro	12" White Vinyl Tile +	Layer 1	ND	P-F/G**	<1,000 sf
	אומופוו	Mastic	Layer 2	QN	P-F/G**	
			Layer 1	ND	P-F/G**	<1,000 sf
KT-ACM-002b	Area 6 - Kitchen	12" vvnite vinyi Lile +	Layer 2	ND	P-F/G**	
			Layer 3	ND	P-F/G**	
KT-ACM-003c	Area 6 - Kitchen	12" White Vinyl Tile +	Layer 1	Q	P-F/G**	<1,000 sf
	אומופוו	Mastic	Layer 2	QN	P-F/G**	
KT-ACM-004d	A ChotiN	1.5.5. The state of the state o	Layer 1	ND	**©	<1,000 sf
	אופש ח – עונכוופוו	z xz vvinie Cennig i ne	Layer 2	ND	G **	
KT-ACM-005e	Area 6 - Kitchen	C'S Affaite Coiling Tile	Layer 1	ND	C**	<1,000 sf
	אומופוו	z xz vviiile Ceiiiilg Tile	Layer 2	ND	C**	
KT-ACM-006f	Area 6 Kitchon	O'CO'C	Layer 1	QN	G **	<1,000 sf
	אומים – אוכיומיו	z xz winte Cennig Lile	Layer 2	ND	C **	
KT-ACM-007g	Area 6 - Kitchen	Moll Doord + Toyde	Layer 1	QN	G**	<1,000 sf
	אופש ח באוכוופון	wall boald + lexiule	Layer 2	<=1% Chrysotile	G**	
KT-ACM-008h	Area 6 Vitabon	MAIL Doord + Toydillo	Layer 1	ND	C**	<1,000 sf
	אופש ס – אונכוופנו	wall boald + lexitle	Layer 2	<=1% Chrysotile	C**	
KT-ACM-009i	Aros 6 - Kitchon	Moll Doord + Toyler	Layer 1	QN	C**	<1,000 sf
	אופווסווטו – טופוו	wall boatu + lexture	Layer 2	ND	* **	
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Sample No.	Sample Location	Sample Description	Layers	Content (Pl M)	Condition (Friability	Material Amount
1000年の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の	多数是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个				THE HEADING	
			Layer 3	QN	** O	
KT-ACM-010i	Aroo 6	Black Cove Base + Brown	Layer 1	ND	P-F/G**	150 If
for p-wood and	Alea o - Nicileii	Mastic	Layer 2	QN	P-F/G**	
KT_ACM_011k	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Black Cove Base + Brown	Layer 1	Q	P-F/G**	150 lf
ALLO-MOVE IN	Area o - Nichen	Mastic	Layer 2	QN	P-F/G**	
		(Layer 1	QN	P-F/G**	150 lf
KT-ACM-012j	Area 6 – Kitchen	Black Cove Base + Brown	Layer 2	ND	P-F/G**	
		Oncolo	Layer 3	QN	P-F/G**	
MR-ACM-001a	Area 7 – Main	12" White Vinyl Tile +	Layer 1	QN	P-F/G**	>1,000 sf <5,000
BIO MINE STATE	Room	Brown Mastic	Layer 2	ND	P-F/G**	
			Layer 1	ND	P-F/G**	>1,000 sf <5,000
MR-ACM-002h	Area 7 – Main	12" White Vinyl Tile +	Layer 2	ND	P-F/G**	
	Room	Brown Mastic	Layer 3	N	P-F/G**	
			Layer 4	Q	P-F/G**	
			Layer 1	ND	P-F/G**	>1,000 sf <5,000
MR-ACM-003c	Area 7 - Main	12" White Vinyl Tile +	Layer 2	QV	P-F/G**	
	Room	Brown Mastic	Layer 3	Q	P-F/G**	
			Layer 4	N	P-F/G**	
	A 7		Layer 1	ND	P-F/G**	>1,000 sf <5,000
MR-ACM-004d	Area / - IMain Room	12" White Vinyl Lile + Brown Mastic	Layer 2	ND	P-F/G**	
			Layer 3	QV	P-F/G**	
			Layer 1	ND	P-F/G**	>1,000 sf <5,000
MR-ACM-005e	Area 7 – Main	12" White Vinyl Tile +	Layer 2	QN	P-F/G**	
	Room	Brown Mastic	Layer 3	QV	P-F/G**	
			Layer 4	Q	P-F/G**	
MR-ACM-006f	Area 7 - Main	Black Cove Vase + Brown	Layer 1	QV	P-F/G**	250 lf
	Room	Mastic	Layer 2	Q	P-F/G**	
MR-ACM-007g	Area 7 - Main	Black Cove Vase + Brown	Layer 1	QV	P-F/G**	250 If
8	Room	Mastic	Layer 2	Q	P-F/G**	
MR-ACM-008h	Area 7 – Main	Black Cove Vase + Brown	Layer 1	ND	P-F/G**	250 lf

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Sample	Sample	Sample Deserription	a syone	Asbestos	Observed	Estimated Material
No.	Location			(PLM)	/Friability	Amount
	Room	Mastic	Layer 2	QN	P-F/G**	
MR-ACM-009i	Area 7 - Main	Black Cove Vase + Brown	Layer 1	QN	P-F/G**	250 lf
1000-MIOCA 1181	Room	Mastic	Layer 2	ON	P-F/G**	
MR-ACM-010i	Area 7 - Main	Black Cove Vase + Brown	Layer 1	ON	P-F/G**	250 lf
	Room	Mastic	Layer 2	ND	P-F/G**	
MR-ACM-011k	Area 7 - Main	CV.C. Tilo	Layer 1	ND	C **	>1,000 sf <5,000
	Room	z zz vvine cennig ine	Layer 2	ND	C**	
MR-ACM-012	Area 7 - Main	Tile Tile	Layer 1	ND	C **	>1,000 sf <5,000
	Room		Layer 2	QN	**5	
MR-ACM-013m	Area 7 – Main	TIL TILL	Layer 1	ND	** O	>1,000 sf <5,000
	Room	z xz vvnite celiing Lite	Layer 2	ND	C**	
MR-ACM-014n	Area 7 – Main Room	2'x2' White Ceiling Tile	Layer 1	QN	**Đ	>1,000 sf <5,000
MR-ACM-0150	Area 7 – Main	Till Table	Layer 1	QN	**5	>1,000 sf <5,000
	Room	z xz vvinte centrig i ne	Layer 2	QN	C**	
			Layer 1	QN	**Đ	>1,000 sf <5,000
MR-ACM-016p	Area 7 – Main	Wallboard + Surface	Layer 2	<=1% Chrysotile	G**	
	Room	Texture	Layer 3	QN	G**	
			Layer 4	QN	G**	
MR-ACM-017n	Area 7 - Main	Wallboard + Surface	Layer 1	ND	G**	>1,000 sf <5,000
	Room	Texture	Layer 2	<=1% Chrysotile	G**	
MR-ACM-018r	Area 7 – Main	Wallboard + Surface	Layer 1	Q	Č**	>1,000 sf <5,000
	Room	Texture	Layer 2	<=1% Chrysotile	G**	
			Layer 1	ND	G**	>1,000 sf <5,000
MR-ACM-019s	Area 7 - Main	Wallboard + Surface	Layer 2	<=1% Chrysotile	G**	
	Room	Texture	Layer 3	QN	G**	
			Layer 4	QN	G**	
	A 7		Layer 1	N	G**	>1,000 sf <5,000
MR-ACM-020t	Area / - Iviain Room	Wallboard + Surrace	Layer 2	Q	C**	
			Layer 3	QN	**Đ	
RMB-ACM-001a	Area 8 – Room B	12" White Vinyl Tile +	Layer 1	QN	**Đ	1,000 sf
		Page 7 of 10	of 10			

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Sample Sample Description Sample Description Layer 2 (PLM) Content (PLM) Condition (PLM) </th <th>30 XD</th> <th></th> <th>a tada cominanty conto), i amamp, iterata</th> <th></th> <th>manufacture and deligation</th> <th></th> <th></th>	30 XD		a tada cominanty conto), i amamp, iterata		manufacture and deligation		
Location Mastic Layer 2 (PLM) Area 8 – Room B 12" White Vinyl Tile + Layer 1 Layer 2 ND Area 8 – Room B 12" White Vinyl Tile + Layer 1 Layer 2 ND Area 8 – Room B 2"X2" White Ceiling Tile Layer 2 ND Area 8 – Room B 2"X2" White Ceiling Tile Layer 2 ND Area 8 – Room B Black Cove Base + Brown Layer 1 ND Area 8 – Room B Black Cove Base + Brown Layer 2 ND Area 8 – Room B Black Cove Base + Brown Layer 1 ND Area 8 – Room B Black Cove Base + Brown Layer 1 ND Area 8 – Room B Black Cove Base + Brown Layer 2 ND Area 8 – Room B Black Cove Base + Brown Layer 1 Layer 2 ND Area 8 – Room B Black Cove Base + Brown Layer 2 Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 3 Layer 2 ND Area 8 – Room B Wallboard + Surface Layer 3 Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 3 Layer 3 ND Area 8 – Room B Wallboard + Surf	Sample	Sample			Asbestos	Observed	Estimated
Area 8 – Room B 12" White Vinyl Tile + Layer 1 Layer 2 ND Area 8 – Room B 12" White Vinyl Tile + Layer 1 Layer 2 ND Area 8 – Room B 2x2' White Ceiling Tile Layer 2 Layer 1 ND Area 8 – Room B 2x2' White Ceiling Tile Layer 2 Layer 2 ND Area 8 – Room B 2x2' White Ceiling Tile Layer 2 Layer 2 ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 2 Layer 2 ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 2 Layer 2 ND Area 8 – Room B Black Cove Base + Brown Layer 1 Layer 2 ND Area 8 – Room B Black Cove Base + Brown Layer 1 Layer 2 ND Area 8 – Room B Wallboard + Surface Layer 2 Layer 1 ND Area 8 – Room B Wallboard + Surface Layer 2 Layer 2 ND Area 8 – Room B Wallboard + Surface Layer 2 Layer 2 ND Area 8 – Room B Wallboard + Surface Layer 3 Layer 1 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Area 9 – Roo	No.	Location	Sample Description	Layers	(PLM)	Condition /Friability	Material Amount
Area 8 – Room B 12" White Vinyl Tile + Layer 1 Layer 2 ND Area 8 – Room B 12" White Vinyl Tile + Layer 1 Layer 2 ND Area 8 – Room B 2x2' White Ceiling Tile Layer 2 Layer 2 ND Area 8 – Room B 2x2' White Ceiling Tile Layer 2 Layer 2 ND Area 8 – Room B 2x2' White Ceiling Tile Layer 2 ND ND Area 8 – Room B Black Cove Base + Brown Layer 1 ND ND Area 8 – Room B Black Cove Base + Brown Layer 1 ND ND Area 8 – Room B Black Cove Base + Brown Layer 1 ND ND Area 8 – Room B Black Cove Base + Brown Layer 1 ND ND Area 8 – Room B Black Cove Base + Brown Layer 2 ND ND Area 8 – Room B Wailboard + Surface Layer 2 ND Layer 3 ND Area 8 – Room B Wailboard + Surface Layer 2 ND Layer 1 ND Area 8 – Room B Wailboard + Surface Layer 2 ND Layer 3 ND Area 8 – Room B Wailboard + Surface Layer 3 ND Layer 1 <td></td> <td></td> <td>Mastic</td> <td>Layer 2</td> <td>ND</td> <td>**Đ</td> <td></td>			Mastic	Layer 2	ND	**Đ	
Area 8 – Room B 12" White Vinyl Tile + Layer 1 Layer 2 ND Area 8 – Room B 2'x2' White Ceiling Tile Layer 2 ND Area 8 – Room B 2'x2' White Ceiling Tile Layer 2 ND Area 8 – Room B 2'x2' White Ceiling Tile Layer 2 ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 2 ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 2 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Area 9 – Room A White 12" Vinyl Tille Layer 1 ND Area 9 – Room A White 12" Vinyl Tille Layer 2	RMB-ACM-002h	0 2000	12" White Vinyl Tile +	Layer 1	QN	**9	1,000 sf
Area 8 – Room B 12" White Vinyl Tile + Layer 1 Layer 2 ND Area 8 – Room B 2'x2' White Ceiling Tile Layer 2 ND Area 8 – Room B 2'x2' White Ceiling Tile Layer 2 ND Area 8 – Room B 2'x2' White Ceiling Tile Layer 2 ND Area 8 – Room B Black Cove Base + Brown Layer 1 ND Area 8 – Room B Black Cove Base + Brown Layer 1 ND Area 8 – Room B Black Cove Base + Brown Layer 1 ND Area 8 – Room B Black Cove Base + Brown Layer 1 ND Area 8 – Room B Black Cove Base + Brown Layer 2 ND Area 8 – Room B Wallboard + Surface Layer 2 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Layer 1 ND Layer 2 ND Layer 3 ND Layer 4		Alea o - Rooll o	Mastic	Layer 2	N	**9	
Area 8 – Room B 2'x2' White Ceiling Tile Layer 1 Layer 2 Layer 2 Layer 3 ND Area 8 – Room B 2'x2' White Ceiling Tile Layer 1 Layer 2 Layer 3 ND ND Area 8 – Room B Black Cove Base + Brown Area 8 – Room B Black Cove Base + Brown Layer 1 ND Layer 2 ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 ND ND Area 8 – Room B Black Cove Base + Brown Layer 1 ND Layer 2 ND Area 8 – Room B Black Cove Base + Brown Layer 1 ND Layer 2 ND Area 8 – Room B Wallboard + Surface Layer 2 ND Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 1 ND Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 1 ND Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 1 ND Layer 3 ND Area 8 – Room B While 12" Vinyl Tile+ Layer 1 ND Layer 3 ND Area 9 – Room A White 12" Vinyl Tile+ Layer 1 ND Layer 1 ND	RMB-ACM-003c	00000	12" White Vinyl Tile +	Layer 1	ON	**Đ	1,000 sf
Area 8 – Room B 2'x2' White Ceiling Tile Layer 1 Layer 2 Layer 2 Layer 2 ND ND Area 8 – Room B 2'x2' White Ceiling Tile Layer 1 ND ND Area 8 – Room B Black Cove Base + Brown Area 8 – Room B Black Cove Base + Brown Layer 1 ND Layer 2 ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 ND ND Area 8 – Room B Black Cove Base + Brown Layer 1 ND Layer 2 ND Area 8 – Room B Black Cove Base + Brown Layer 1 ND Layer 2 ND Area 8 – Room B Wallboard + Surface Layer 2 ND Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 1 ND Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 2 ND Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Layer 3 ND Area 8 – Room B Texture Layer 1 ND Area 9 – Room A White 12" Vinyl Tile+ Layer 1 ND Brown Mastic Layer 1 ND		Alea o - Ruoill D	Mastic	Layer 2	ND	**9	
Area 8 – Room B 2x2' White Ceiling Tile Layer 1 ND Area 8 – Room B 2x2' White Ceiling Tile Layer 1 ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 ND Area 8 – Room B Wallboard + Surface Layer 2 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 2 ND Area 8 – Room B Wallboard + Surface Layer 1 ND Area 8 – Room B Wallboard + Surface Layer 2 ND Area 8 – Room B Texture Layer 1 ND Area 9 – Room A Wallboard + Surface Layer 2 ND Area 9 – Room B Texture Layer 3 ND Area 9 – Room A White 12" Vinyl Tile+ Layer 1 ND <td>RMB-ACM-004d</td> <td>0 0000</td> <td>Tip = 11:00 - 11:00 (CV)</td> <td>Layer 1</td> <td>ND</td> <td>**9</td> <td>1,000 sf</td>	RMB-ACM-004d	0 0000	Tip = 11:00 - 11:00 (CV)	Layer 1	ND	**9	1,000 sf
Area 8 – Room B 2x2' White Ceiling Tile Layer 1 ND Area 8 – Room B 2x2' White Ceiling Tile Layer 2 ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 ND Area 8 – Room B Wallboard + Surface Layer 1 ND Area 8 – Room B Wallboard + Surface Layer 2 ND Area 8 – Room B Wallboard + Surface Layer 2 ND Area 8 – Room B Wallboard + Surface Layer 2 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Area 8 – Room B Texture Layer 1 ND Area 9 – Room A Wallboard + Surface Layer 3 ND Area 9 – Room A Wallboard + Surface Layer 3 ND Area 9 – Room A Wallboard + Surface Layer 3 ND		م المصال		Layer 2	ND	**5	
Area 8 – Room B 2 ×2 White Celling Tile Layer 1 Layer 1 Layer 1 Layer 2 ND ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 ND ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 ND ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 2 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 3 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 3 ND ND Area 8 – Room B Wallboard + Surface Layer 3 ND Layer 1 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Layer 1 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Layer 1 ND Area 9 – Room A White 12" Vinyl Tile+ Layer 1 ND Layer 2 ND	RMB-ACM-005a			Layer 1	ND	* *5	1,000 sf
Area 8 – Room B 2'x2' White Ceiling Tile Layer 1 Layer 2 Layer 2 Layer 2 ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 2 ND ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 2 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 3 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 3 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 3 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 3 ND ND Area 8 – Room B Wallboard + Surface Layer 3 ND Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 3 ND Layer 4 ND Area 9 – Room A Wallboard + Surface Layer 3 ND Layer 4 ND Area 9 – Room A Wallboard + Surface Layer 3 ND Layer 4 ND		ı	Z XZ VVNite Celling Tile	Layer 2	ND	**•	
Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 Layer 2 Layer 1 ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 Layer 1 Layer 2 Layer 2 ND ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 2 Layer 2 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 2 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 2 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 2 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 1 ND ND Area 9 – Room B White 12" Vinyl Tile+ Layer 1 ND Layer 2 ND Area 9 – Room A White 12" Vinyl Tile+ Layer 1 ND Layer 2 ND	RMB-ACM-006f	0 000	2,72, 18 to 15 (0.1)	Layer 1	ND	**Đ	1,000 sf
Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 Layer 2 Layer 2 Layer 2 ND Area 8 – Room B Black Cove Base + Brown Mastic Layer 2 Layer 2 Layer 3 Layer 3 ND ND Area 8 – Room B Wallboard + Surface Area 8 – Room B Layer 1 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 1 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 1 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 1 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 1 ND ND Area 9 – Room B White 12" Vinyl Tile+ Layer 1 ND Layer 2 ND ND Area 9 – Room A White 12" Vinyl Tile+ Layer 1 ND Layer 2 ND ND		Alea o = Rooiii D		Layer 2	ND	G**	
Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 Layer 1 Layer 1 Layer 2 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 3 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 1 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 3 ND ND Area 8 – Room B Wallboard + Surface Layer 3 ND Layer 1 ND ND Area 8 – Room B Wallboard + Surface Layer 3 ND Layer 3 ND ND Area 8 – Room B Wallboard + Surface Layer 3 ND Layer 4 ND ND Brown Mastic Layer 4 ND ND Layer 4 ND	RMB-ACM-007a	0 0010	+	Layer 1	ND	C**	150 lf
Area 8 – Room B Black Cove Base + Brown Area 8 – Room B Layer 1 Room B Black Cove Base + Brown Area 8 – Room B Layer 2 ND Layer 3 ND Layer 1 ND Layer 3 ND Layer 4 ND Layer 3 ND Layer 4 ND Layer 3 ND Layer 4 ND Layer 3 ND Layer 3 ND Layer 4 ND Layer 3 ND Layer 4 ND Brown Mastic Layer 2 ND Brown Mastic Layer 3 ND Brown Mastic Layer 4 ND Brown Ma		Alea o - Nooill D		Layer 2	ND	** _©	
Area 8 – Room B Black Cove Base + Brown Mastic Layer 1 Layer 2 Layer 3 ND Area 8 – Room B Wallboard + Surface Texture Layer 2 Layer 3 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 2 ND ND Area 8 – Room B Wallboard + Surface Layer 3 ND Layer 3 ND ND Area 8 – Room B Wallboard + Surface Layer 3 ND Layer 3 ND ND Area 9 – Room A White 12" Vinyl Tile+ Layer 3 ND ND Layer 4 ND Area 9 – Room A White 12" Vinyl Tile+ Layer 1 ND Layer 2 ND ND	RMB-ACM-008h	0 000	Black Cove Base + Brown	Layer 1	ND	**Đ	150 lf
Area 8 – Room B Black Cove Base + Brown Mastic Layer 2 Layer 2 Layer 3 ND Area 8 – Room B Wallboard + Surface Texture Layer 2 Layer 3 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 2 ND ND Area 8 – Room B Wallboard + Surface Layer 3 ND Layer 1 ND ND Area 8 – Room B Wallboard + Surface Layer 3 ND Layer 4 ND ND Area 9 – Room A White 12" Vinyl Tile+ Layer 4 ND ND Layer 4 ND		Alea o - Room D	Mastic	Layer 2	ND	**Đ	
Area 8 – Room B Black Cove base + Brown Mastic Layer 2 ND Area 8 – Room B Wallboard + Surface Texture Layer 2 ND Area 8 – Room B Wallboard + Surface Texture Layer 2 ND Area 8 – Room B Wallboard + Surface Texture Layer 2 ND Area 8 – Room B Wallboard + Surface Layer 2 ND ND Area 9 – Room B White 12" Vinyl Tile+ Layer 1 ND ND Area 9 – Room A White 12" Vinyl Tile+ Layer 1 Layer 1 ND			· · · · · · · · · · · · · · · · · · ·	Layer 1	ND	**Đ	150 If
Area 8 – Room B Wallboard + Surface Texture Layer 1 Layer 1 Layer 2 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 3 ND ND Area 8 – Room B Wallboard + Surface Layer 3 ND Layer 3 ND Area 9 – Room A White 12" Vinyl Tile+ Brown Mastic Layer 1 ND	RMB-ACM-009i	Area 8 - Room B	Black Cove Base + Brown Mactic	Layer 2	ND	**Đ	
Area 8 – Room B Wallboard + Surface Texture Layer 2 Layer 2 Layer 3 ND Area 8 – Room B Wallboard + Surface Texture Layer 2 ND ND Area 8 – Room B Wallboard + Surface Texture Layer 2 ND ND Area 9 – Room A White 12" Vinyl Tile+ Brown Mastic Layer 1 ND ND				Layer 3	QN	C **	
Area 8 – Room B Wallboard + Surface Layer 2 ND Area 8 – Room B Wallboard + Surface Layer 1 ND Area 8 – Room B Wallboard + Surface Layer 2 ND Area 9 – Room A White 12" Vinyl Tile+ Layer 1 ND Area 9 – Room A White 12" Vinyl Tile+ Layer 1 ND Brown Mastic Layer 2 ND				Layer 1	ND	C **	1,000 sf
Area 8 – Room B Wallboard + Surface Texture Layer 2 Layer 2 Layer 3 ND Area 8 – Room B Wallboard + Surface Layer 2 Layer 1 ND Layer 2 ND Area 9 – Room A White 12" Vinyl Tile+ Layer 1 ND Area 9 – Room A White 12" Vinyl Tile+ Layer 2 ND	RMB-ACM-010j	Area 8 - Room B	Waliboard + Surface	Layer 2	ND	**Đ	
Area 8 – Room B Wallboard + Surface Texture Layer 2 Layer 2 Layer 3 ND Area 8 – Room B White 12" Vinyl Tile+ Brown Mastic Layer 1 ND				Layer 3	Q	***9	
Area 8 – Room B Wallboard + Surface Layer 2 ND Area 8 – Room B Wallboard + Surface Layer 1 ND Area 9 – Room A White 12" Vinyl Tile+ Layer 1 ND Area 9 – Room A White 12" Vinyl Tile+ Layer 1 ND Brown Mastic Layer 2 ND				Layer 1	Q	C**	1,000 sf
Area 8 – Room B White 12" Vinyl Tile+ Layer 3 ND Area 9 – Room A White 12" Vinyl Tile+ Layer 4 ND Area 9 – Room A Brown Mastic Layer 2 ND	RMB-ACM-011k	Area 8 - Room B	Waliboard + Surface	Layer 2	ND	C **	
Area 8 – Room B Wallboard + Surface Texture Layer 2 Layer 2 Layer 3 ND Area 9 – Room A White 12" Vinyl Tile+ Brown Mastic Layer 1 ND			O INVO	Layer 3	QN	P**	
Area 8 – Room B Wallboard + Surface Texture Layer 2 Layer 3 ND ND Area 9 – Room A White 12" Vinyl Tile+ Brown Mastic Layer 1 ND				Layer 1	QN	C **	1,000 sf
Area 9 – Room A Brown Mastic Layer 2 ND Layer 4 ND Layer 4 ND Layer 1 ND Layer 1 ND Rown Mastic Layer 2 ND	RMB-ACM-012	0 8 0000	Wallboard + Surface	Layer 2	QN	C **	
Area 9 – Room A White 12" Vinyl Tile+ Layer 4 ND Brown Mastic Layer 2 ND		2 110001 = 0 2017	Texture	Layer 3	Q	* **9	
Area 9 – Room A Brown Mastic Layer 1 ND Brown Mastic Layer 2 ND				Layer 4	ND	** ©	
Brown Mastic Layer 2 ND	RMA-ACM-001a	Area 0 – Doors	White 12" Vinyl Tile+	Layer 1	N	***	<1,000 sf
			Brown Mastic	Layer 2	Q	**5	

		Total community committee and and the control of th	1 (10311.	allip) Novada		
Sample	Sample			Asbestos	Observed	Estimated
, ö N	Location	Sample Description	Layers	Content (PLM)	Condition /Friability	Material Amount
RMA-ACM-002h	Aron 0	White 12" Vinyl Tile +	Layer 1	ND	P**	<1,000 sf
	AIEG 9 - NOOIII A	Brown Mastic	Layer 2	ND	**Đ	
RMA-ACM-003c	A 2000 O COTA	White 12" Vinyl Tile +	Layer 1	ND	**9	<1,000 sf
	AIEG 9 - ROOIII A	Brown Mastic	Layer 2	ND	**9	
RMA-ACM-004d	Aron O Doory	Cylo Maito	Layer 1	ND	**Đ	<1,000 sf
		z xz ceillig ille vviile	Layer 2	ND	**9	
RMA-ACM-005e	A 200 0	10 / C.	Layer 1	ND	** ©	<1,000 sf
	Alea 9 - NOOIII A	z xz ceiiing Lile vvnite	Layer 2	ND	**Đ	
RMA-ACM-006f	Aros O Doom A		Layer 1	QN	C**	<1,000 sf
	Alea 9 - Nooill A		Layer 2	ND	C **	
RMA-ACM-007g	Aros 0	Black Cove Base + Brown	Layer 1	ND	C**	50 If
D		Mastic	Layer 2	ND	G**	
	0 000	Black Cove Base + Brown	Layer 1	ND	**9	50 lf
RMA-ACM-008h	Alea 9 - Roolli A	Mastic	Layer 2	ND	C**	
RMA-ACM-009i	V 2000	Black Cove Base + Brown	Layer 1	ON	C**	50 lf
	עוופמ ש בועסווו ע	Mastic	Layer 2	QN	G**	
RMA-ACM-010i	Aros 0 – Doors	Wallboard + Surface	Layer 1	QN	* . 5	<1,000 sf
	A 1100011 A	Texture	Layer 2	ND	**5	
RMA-ACM-011k	0000	Wallboard + Surface	Layer 1	ND	C**	<1,000 sf
	Alea 9 - Nooill A	Texture	Layer 2	ND	G**	
			Layer 1	QN	C **	<1,000 sf
RMA-ACM-012	A 200 0	Wallboard + Surface	Layer 2	ND	C **	
	A 1100A 1 8 801A	Texture	Layer 3	QN	C **	
			Layer 4	ON	C **	
BRB-ACM-001a	Area 10 –	12" Grey Vinyi Tile +	Layer 1	Q	P-F/G**	<1,000 sf
	Bathroom	Mastic	Layer 2	Q	P-F/G**	
BRB-ACM-002b	Area 10 –	12" Grey Vinyl Tile +	Layer 1	QN	P-F/G**	<1,000 sf
	Bathroom	Mastic	Layer 2	Q	P-F/G**	
BRB-ACM-003c	Area 10 –	12" Grey Vinyl Tile +	Layer 1	QN	P-F/G**	<1,000 sf
	Bathroom	Mastic	Layer 2	QN	P-F/G**	

TABLE F-1

Summary of Limited Asbestos Survey Results Bob Ruud Community Center, Pahrump, Nevada

Sample No.	Sample Location	Sample Description	Layers	Asbestos Content (PLM)	Observed Condition /Friability	Estimated Material Amount
BRB-ACM-004d	Area 10 –	Wallboard + Surface	Layer 1	QN	P-F/G**	<1,000 sf
	Bathroom	Texture	Layer 2	ND	P-F/G**	
			Layer 1	QN	P-F/G**	<1,000 sf
BRB-ACM-005e	Area 10 –	Wallboard + Surface	Layer 2	<=1% Chrysotile	P-F/G**	
	Bathroom	Texture	Layer 3	QN	P-F/G**	
			Layer 4	QN	P-F/G**	
			Layer 1	ND	P-F/G**	<1,000 sf
			Layer 2	<=1% Chrysotile	P-F/G**	
BRB-ACM-006f	Area 10 -	Wallboard + Surface	Layer 3	QN	P-F/G**	
	Bathroom	Texture	Layer 4	<=1% Chrysotile	P-F/G**	
			Layer 5	Q	P-F/G**	
			Layer 6	QN	P-F/G**	
BRB-4CM-007g	Area 10 -	Black Cove Base + Brown	Layer 1	QN	P-F/G**	50 If
800	Bathroom	Mastic	Layer 2	QN	P-F/G**	
	\(\frac{1}{2}\)	(Layer 1	ΩN	P-F/G**	50 lf
BRB-ACM-008h	Area 10 Rathroom	Black Cove Base + Brown	Layer 2	QN	P-F/G**	
			Layer 3	QN	P-F/G**	
BRR-ACM-009i	Area 10 -	Black Cove Base + Brown	Layer 1	Q	P-F/G**	50 lf
	Bathroom	Mastic	Layer 2	QN	P-F/G**	

G = Good condition

NA = Not Applicable

NF = Non-Friable

P-F = Poor condition-Friable

P-F = Poor condition-Friable

PC = Point Count
TEM = Gravimetric/Semi-Quantitative Analysis

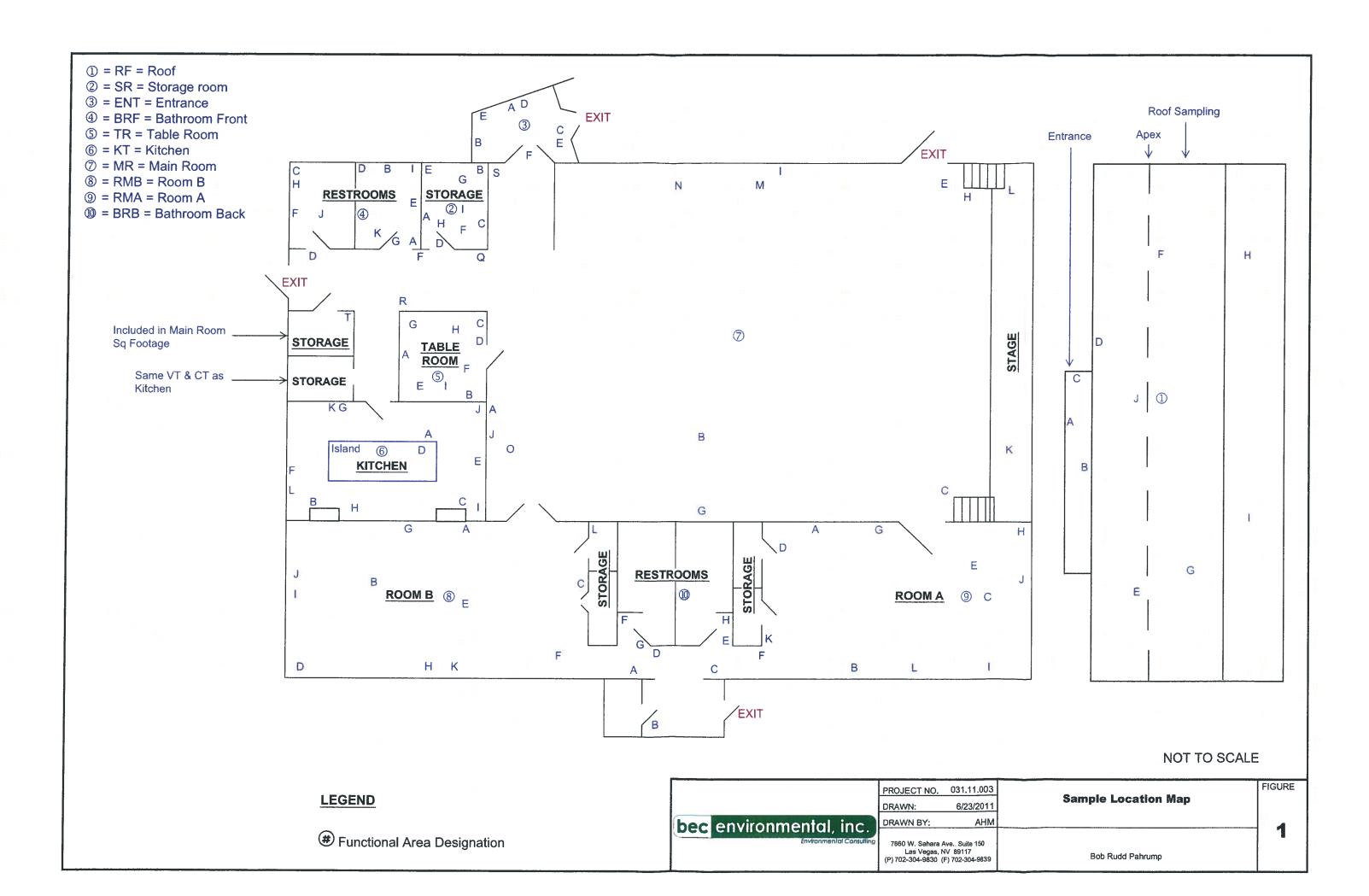
** = May become friable during renovation or repair activities

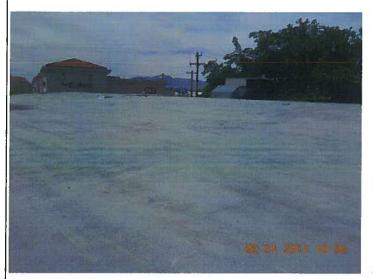
* = Paper backing on linoleum

1 = Quantity assumed mastic is present under all flooring material

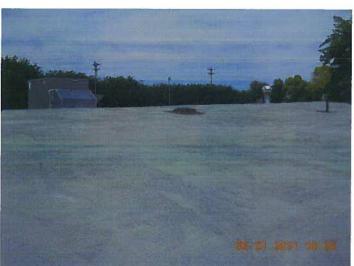
Trace % is reported as 0 asbestos counts in 400 total counts

sq. ft. = Square feet lin. ft. = Linear feet All quantities are noted in square feet per layer, per homogeneous area, unless otherwise noted. Laboratory described colors may differ from inspector's described colors. Material quantities are estimates only, based on the survey results presented. Contractors are responsible for verifying quantities prior to bid.





Picture 1. Roofing.



Picture 2. Roofing.



Picture 3. Roofing.



Picture 4. Roofing sample.



Picture 5. Roofing.



Picture 6. Roofing sample.



Picture 7. Roofing sample.



Picture 8. Roofing sample.



Picture 9. Roofing sample.



Picture 10. Roofing sample.



Pictures 11. Roof.



Pictures 12. Roof.



Picture 13. Roofing sample.



Picture 14. White/Beige vinyle tile.



Picture 15.



Picture 16.



Picture 17. Wallboard sample.



Picture 18. Wallboard sample.



Picture 19. Wallboard sample.



Picture 20. White/Beige tile sample.





Picture 21.

Picture 22.





Picture 23.

Picture 24.





Picture 25.

Picture 26.



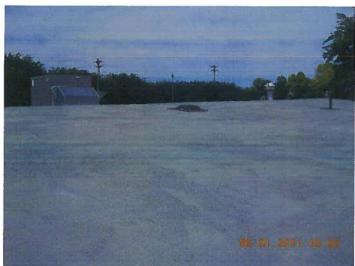




Picture 28. Ceiling sample.



Picture 1. Roofing.



Picture 2. Roofing.



Picture 3. Roofing.



Picture 4. Roofing sample.



Picture 5. Roofing.



Picture 6. Roofing sample.



Picture 7. Roofing sample.



Picture 8. Roofing sample.



Picture 9. Roofing sample.



Picture 10. Roofing sample.



Pictures 11. Roof.



Pictures 12. Roof.



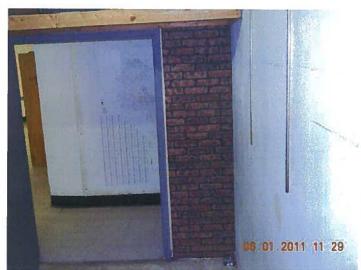
Picture 13. Roofing sample.



Picture 14. White/Beige vinyle tile.



Picture 15.



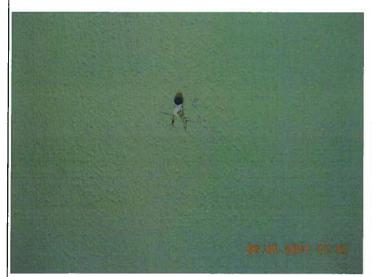
Picture 16.



Picture 17. Wallboard sample.



Picture 18. Wallboard sample.



Picture 19. Wallboard sample.



Picture 20. White/Beige tile sample.





Picture 21.

Picture 22.





Picture 23.

Picture 24.



Picture 25.



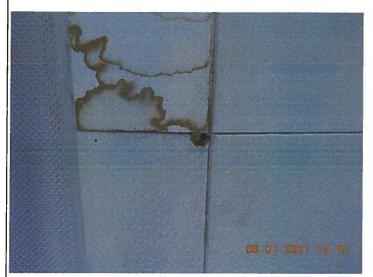
Picture 26.



Picture 27.



Picture 28. Ceiling sample.



Picture 29. Ceiling sample.



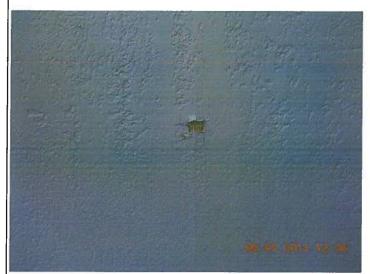
Picture 30. White vinyl tile sample.



Picture 31. Vinyl tile sample.



Picture 32. White vinyl tile sample.



Picture 33. Wallboard sample.



Picture 34. Wallboard sample.



Picture 35. Wallboard sample.



Picture 36. Vinyl tile sample.



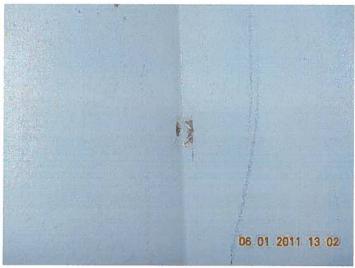
Picture 37.



Picture 38.



Picture 39.



Picture 40. Wallboard sample.



Picture 41. Grey vinyl tile sample



Picture 42. Ceiling



Picture 43.



Picture 44.





Picture 45.

Picture 46.







Picture 48.



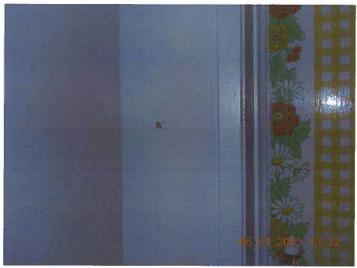
Picture 49.



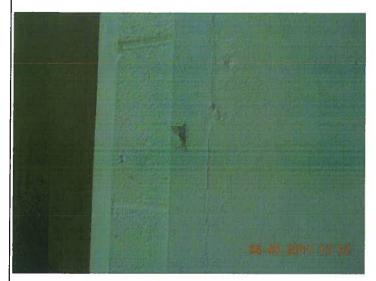
Picture 50.



Picture 51. Ceiling sample.



Picture 52. Wallboard sample.



Picture 53. Wallboard sample.



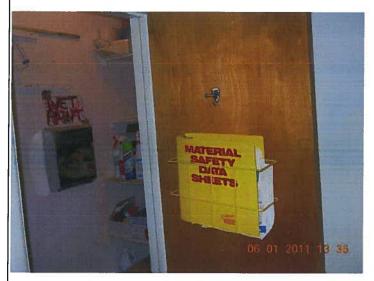
Picture 54. Wallboard sample.



Picture 55. Black cove base sample.



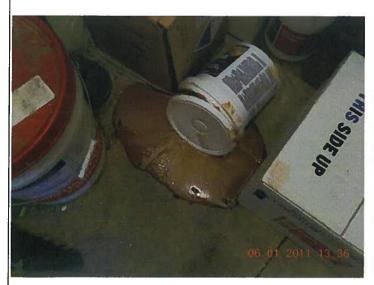
Picture 56. Black cove base sample.





Picture 57.

Picture 58.



Picture 59.



Picture 60. Ceiling.





Picture 61.

Picture 62.



Picture 63.



Picture 64.



Picture 65.

Picture 66.



Picture 67. Wallboard sample.



Picture 68. Wallboard sample.



Picture 69. Wallboard sample.



Picture 70. Wallboard sample



Picture 71.



Picture 72.





Picture 73.

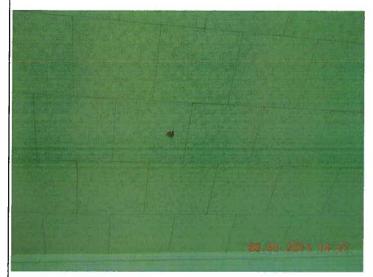
Picture 74.







Picture 76.





Picture 77.

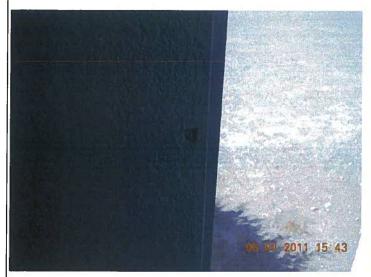
Picture 78.



Picture 79.



Picture 80.



Picture 81. Wallboard sample.



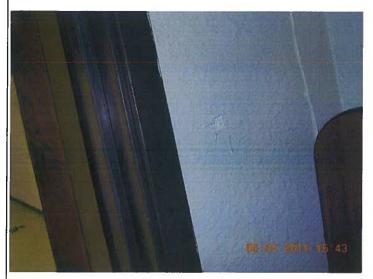
Picture 82.



Picture 83. White vinyl tile sample.



Picture 84. Wallboard sample.



Picture 85. Wallboard sample.



Picture 86. Black cove base sample.



Picture 87.



Picture 88.



Picture 89. Wallboard sample.



Picture 90. Black cove base sample.



Picture 91. Vinyl tile sample.



Picture 92. Wallboard sample.





Picture 93.

Picture 94.



Picture 95. Wallboard sample.



Picture 96. Vinyl tile sample.



Picture 97. Wallboard sample.



Picture 98. Wallboard sample.



Picture 99. Black cove base sample.



Picture 100. Wallboard sample.

06 01 2011 16 23



Picture 101. Black cove base sample.



Picture 102.



Picture 103.



Picture 104.



Polarized Light Microscope (PLM) Analysis for Asbestos

JobNumber:

201105827

Client:

BEC ENVIRONMENTAL INC

7660 W SAHARA AVE #150

LAS VEGAS, NV

89117-0000

Office Phone: FAX:

6/16/2011

(702) 304-9830 (702) 304-9839

Samples: 110

Report Date:

PLM

Rec: 6/10/2011 Method: EPA 600/R-93/116

PLM analysis for asbestos in bulk smp

Client Job: 031.11.003

Date Analyzed:

PO Number:

Routing Number: -

Method and Analysis Information:

6/16/2011 Fiberquant Internal SOP: PLMn

Each bulk sample is first dissected under a 7-30x magnification stereo-microscope. This examination is used to determine the general type of sample, how many and what type of layers it has, and initial estimates of fiber types and quantities. Second, liquid media mounts are made of each layer - such mounts may be of selected fibers (used solely for identification purposes) or may be representative of the layer as a whole (used for quantitation purposes). The mounts may be made in a synthetic Canadian balsam, one of several solvents, or in refractive index oils (media of known refractive index). Generally, a variety of different mounts are made: some optimized for fiber visibility, some optimized for fiber identification, and some optimized for fiber quantitation. The mounted slides are then examined at 50-400x magnification on a Nikon Labphot-pol microscope. Optical characteristics are used to identify each observed fiber type; the optical data are contained for each sample on its detail analysis sheet, attached.

Current EPA and NESHAP regulations designate a result of <=1 % asbestos as "negative" and >1 % asbestos as "positive". Samples containing layers that have been determined to be "positive" may have to be handled differently during a renovation or demolition than samples whose layers have been determined to be "negative."

The method of fiber analysis and identification is the EPA Method 600/R-93/116. The method of fiber quantitation is an estimation technique in which the analysts quantitation is routinely calibrated by reference quantitation standards, and which has been shown to be equivalent in precision and accuracy to point counting. Friability is estimated for the purposes of deciding when to point count. Friabilities determined in the field take precedence over those determined in the laboratory. Those sample layers which are friable and estimated by the analyst to contain <= 1% asbestos are point counted using 400 points. Such point counting is required by NESHAP (National Emission Standards for Hazardous Air Polutants, Nov. 1990) in order to rely on analytical results that are <= 1%. The coefficient of variation for the estimation quantitation technique is 100% in the range 0-5%. This means that PLM analysis is not capable of conclusively determining whether a layer containing close to 1% asbestos is actually "positive" or "negative". For this reason, Fiberquant refers to results where asbestos was detected but <= 1% as "borderline negative", and results where asbestos was >1 % but <= 2% as "borderline positive" to indicate the uncertainty in assigning a "positive" or "negative" label. In the sample summary, "ND" means that no asbestos was detected during the analysis. A "Tr" or "Trace" of asbestos reported is defined for our purposes as the detection of several asbestos fibers during the analysis; this level would be right at the limit of detection for the method. Trace is only reported on the analysis detail - in the summary a trace would be reported as <=1%. The limit of detection (the smallest % of aspestos that can be detected) varies greatly depending on the matrix in which the asbestos is found. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 1% stated in the method. During the analysis, the analyst, for Fiberquant identification purposes only, determines the "apparent sample type" and "apparent layer types." It must be emphasized that these types are only what is apparent. Often, different materials appear similar or identical after sampling, so the analyst may assign a type other than what was sampled.

Floor tiles present a special problem for PLM asbestos analysis. Floor tile can contain chrysotile fibers so thin that they cannot be resolved by optical methods. In such a case, we may observe a percentage of asbestos which is lower than the actual percentage, or not observe asbestos at all when some is present. For this reason, floor tiles reported as negative should be confirmed to be negative using transmission electron microscope (TEM) analysis. Likewise, vermiculite insulation materials containing traces of asbestiform asbestos present a problem for routine PLM analysis - the amphiboles are sometimes present in trace amounts inhomogeneously distributed. We recommend a hydro-separation technique for such samples.

Vermiculite-containing samples may contain trace amounts of asbestiform amphibole that may or may not be detected during routine PLM analysis. For this reason, loose vermiculite samples reported as negative should be confirmed to contain no amphibole using hydroseparation

The samples were analyzed under the following ongoing quality assurance program: Blank samples are routinely analyzed to maintain contamination-free materials. Each analyst has at least a bachelor's degree in physical science, and has also completed extensive training specific to asbestos analysis for 1-3 months before being allowed to analyze client samples. Qualitative reference samples are routinely analyzed to assure that analysts can identify asbestos and asbestos-look-alike fibers. Quantitative reference samples are routinely analyzed to calibrate and characterize the estimation procedure. Microscope alignment is checked each day. Refractive index oils are calibrated at least quarterly. At least 10% of client samples are re-analyzed from scratch by a different analyst than the original, and any discrepancies are resolved for the sample and similar sample types before the results are reported. All quality checks performed for these samples were in control except as detailed in the "Analytical Notes" below. All analysts participate in interlab round robins and proficiency testing to assure competence. Fiberguant is accredited by NVLAP (Lab #101031) for the analysis of bulk samples for asbestos using PLM. Accreditation does not imply endorsement by the EPA, any other United States governmental agency or any private agency or association. Each lab analysis refers only to the sample tested, and may not, due to the sampling

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process, be representative of the material sampled. This report may not be reproduced except in full, without the approval of Fiberquant Analytical Services.

Some results may have been calculated using client supplied data, such as volume or area sampled, for which Fiberquant assumes no liability for accuracy.

Job Analysis Notes:

	C	la Massala		Lab Nicont	A	ah Camada Tunc *	Danish on Lauren Van 1 - 21
	Samp Layer	Color	Apparent Layer Ty	Lab Number	Appare Asbestos Resuit	nt Sample Type *	Positive Layer Yes or No
							Designation of the second second
Sample #	Layer # 1	CM-001a silver	paint	2011-05827-	- 1 Roofing no asbestos detec		Positive Layer? No
					no asbestos detei no asbestos detei		
	Layer # 2	black	roof ply				
	Layer # 3	black	roof ply		no asbestos deter		
	Layer # 4	black	bitumen		no asbestos detec		
	Layer # 5	black	roof ply		no asbestos detec		
Sample #		CM-002b		2011-05827-	-	,	Positive Layer? No
	Layer # 1	off-white	paint		no asbestos detec		
	Layer # 2	silver	paint		no asbestos dete		
	Layer # 3	black	roof ply		no asbestos detec		
	Layer #4	black	bitumen		no asbestos detec	cted	
Sample #		<u>CM-003c</u>		2011-05827-	-		Positive Layer? Yes
	Layer # 1	silver	paint		>1-2% chrysotile	asbestos	
	Layer # 2	black	roof ply		no asbestos detec	cted	
	Layer # 3	black	roof ply		no asbestos detec	cted	
	Layer #4	black	bitumen		no asbestos dete	ted	
Sample #	RF-AC	CM-004d		2011-05827-	- 4 Roofing	3	Positive Layer? Yes
	Layer # 1	silver	paint		>1-2% chrysotile	asbestos	·
	Layer # 2	black	roof ply		no asbestos detec	ted	
	Layer #3	black	bitumen		no asbestos detec	ted	
	Layer # 4	black	roof ply		no asbestos detec	ted	
	Layer #5	black	bitumen		no asbestos detec		
Sample #		CM-005e		2011-05827-			Positive Layer? Yes
outipie /	Layer # 1	silver	paint		>1-2% chrysotile	·	rositive Layer: Tes
	Layer # 2	black	roof ply		no asbestos dete		
	Layer # 3	black	bitumen		no asbestos detei		
	Layer # 4	black	roof ply		no asbestos detei no asbestos detei		
	Layer # 5	black	bitumen		no asbestos detei		
Commin d			Dicumen				Desitive Lavery Ves
Sample #		CM-006f		2011-05827-			Positive Layer? Yes
	Layer # 1	silver	paint		>1-2% chrysotile		
	Layer # 2	black	roof ply		no asbestos dete		
	Layer # 3	black	bitumen		no asbestos dete		
Sample #		<u>CM-007a</u>		2011-05827-			Positive Layer? Yes
	Layer # 1	silver	paint		>1-2% chrysotile		
	Layer # 2	black	bitumen		no asbestos dete		
	Layer # 3	black	roof ply		no asbestos dete		
	Layer #4	black	bitumen		no asbestos dete	cted	
Sample #	* RF-AC	CM-008h		2011-05827	- 8 Roofing)	Positive Layer? Yes
	Layer # 1	silver	paint		>1-2% chrysotile	asbestos	
	Layer # 2	black	caulk		10-20% chrysotil	e asbestos	
Sample #	RE-AC	CM-009i		2011-05827	- 9 Roofing)	Positive Layer? Yes
	Layer # 1	silver	paint		>1-2% chrysotile	asbestos	
	Layer # 2	black	caulk		no asbestos dete	cted	
	Layer # 3	black	roof ply		no asbestos dete	cted	
	Layer #4	black	bitumen		no asbestos dete	cted	
	Layer # 5	white	roofing roll/shingle		no asbestos dete	cted	
Sample #		CM-001a		2011-05827-			Positive Layer? No
	Layer # 1	off-white	paint		no asbestos dete		
	Layer # 2	white	texture/joint compo		<=1% chrysotile		
	Layer # 3	tan	paper/cardboard		no asbestos deter		
	Layer # 4	white	drywall core		no asbestos detei		
Sample #	•	CM-002b		2011-05827-			Positive Layer? No
ample *	Layer # 1	off-white	paint		no asbestos deter		FUSILIVE LAYEL! NO
	Layer # 1 Layer # 2		•		no asbestos detei		
		tan	paper/cardboard drywall core		no aspestos detei no asbestos detei		
ا مساد ا	Layer # 3	white	or y was core				De wiking A annual At
Sample #		CM-003c	un tub	2011-05827			Positive Layer? No
	Layer # 1	off-white	paint		no asbestos dete		
	Layer # 2	tan	paper/cardboard		no asbestos dete		
	Layer # 3	white	drywall core		no asbestos deter	ted	

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Famala # CD ACM 004d	20.	11 05027 12 Flooring	Draining Laura Non
Sample # <u>SR-ACM-004d</u> Layer #1 off-white	floor tile	11-05827- 13 Flooring	Positive Layer? Yes
		5-10% chrysotile asbestos	
Layer # 2 yellow	mastic	no asbestos detected	
Layer # 3 white	leveling compound	no asbestos detected	D:4: 1 7 V
Sample # SR-ACM-005e		11-05827- 14 Flooring	Positive Layer? Yes
Layer # 1 off-white	floor tile	5-10% chrysotile asbestos	
Layer # 2 yellow	mastic	no asbestos detected	
Layer # 3 off-White	floor tile	2-5% chrysotile asbestos	
Layer # 4 yellow	mastic	no asbestos detected	
Sample # SR-ACM-006f		11-05827- 15 Flooring	Positive Layer? Yes
Layer # 1 off-white	floor tile	5-10% chrysotile asbestos	
Layer # 2 yellow	mastic	no asbestos detected	
Layer #3 off-white	leveling compound	no asbestos detected	
Sample # SR-ACM-007q		11-05827- 16 Ceiling System	Positive Layer? No
Layer # 1 white	spray-on ceiling	no asbestos detected	
Layer # 2 tan	paper/cardboard	no asbestos detected	
Layer # 3 white	drywali core	no asbestos detected	
Sample # SR-ACM-008h	20:	11-05827- 17 Ceiling System	Positive Layer? No
Layer # 1 white	spray-on ceiling	no asbestos detected	
Layer # 2 tan	paper/cardboard	no asbestos detected	
Layer # 3 white	drywall core	no asbestos detected	
Sample # SR-ACM-009i	20:	11-05827- 18 Ceiling System	Positive Layer? No
Layer # 1 white	spray-on ceiling	no asbestos detected	
Layer # 2 tan	paper/cardboard	no asbestos detected	
Layer # 3 white	drywall core	no asbestos detected	
Sample # ENT-ACM-001a		11-05827- 19 Acoustical Tile	Positive Layer? No
Layer # 1 off-white	paint	no asbestos detected	
Layer # 2 brown	acoustical tile	no asbestos detected	
Sample # ENT-ACM-002b	20:	11-05827- 20 Acoustical Tile	Positive Layer? No
Layer # 1 off-white	paint	no asbestos detected	
Layer # 2 brown	acoustical tile	no asbestos detected	
Sample # ENT-ACM-003c		11-05827- 21 Acoustical Tile	Positive Layer? No
Layer #1 brown	acoustical tile	no asbestos detected	rosiave bayer. Ho
Sample # ENT-ACM-004d		11-05827- 22 Flooring	Positive Layer? Yes
Layer #1 gray	floor tile	2-5% chrysotile asbestos	rosidve tayer: res
Layer # 2 brown	mastic	no asbestos detected	
Sample # ENT-ACM-005e			Positivo Lavora Voc
Layer # 1 gray	floor tile	11-05827- 23 Flooring 2-5% chrysotile asbestos	Positive Layer? Yes
Layer # 2 brown	mastic	no asbestos detected	
•			Desiring Lauren Ver
Sample # ENT-ACM-006f	floor tile		Positive Layer? Yes
Layer # 1 gray	miscellaneous	2-5% chrysotile asbestos	
Layer # 2 gray		no asbestos detected	D -111 1 - D A1
Sample # BRF-ACM-001a		11-05827- 25 Miscellaneous	Positive Layer? No
Layer #1 gray	base cove	no asbestos detected	
Layer # 2 off-white	mastic	no asbestos detected	
Sample # BRF-ACM-002b		11-05827- 26 Miscellaneous	Positive Layer? No
Layer # 1 gray	base cove	no asbestos detected	
Layer # 2 off-white	mastic	no asbestos detected	
Sample # BRF-ACM-003c		11-05827- 27 Miscellaneous	Positive Layer? No
Layer # 1 gray	base cove	no asbestos detected	
Layer # 2 off-white	mastic	no asbestos detected	
Sample # BRF-ACM-004d	201	11-05827- 28 Wall System	Positive Layer? No
Layer # 1 off-white	paint	no asbestos detected	
Layer # 2 white	texture/joint compound	no asbestos detected	
Layer #3 off-white	paint	no asbestos detected	
Layer # 4 off-white	texture/joint compound	<=1% chrysotile asbestos	
Sample # BRF-ACM-005e	201	11-05827- 29 Wall System	Positive Layer? No
Layer #1 off-white	paint	no asbestos detected	
Layer # 2 white	texture/joint compound	no asbestos detected	
Layer #3 off-white	paint	no asbestos detected	
Layer # 4 white	texture/joint compound	no asbestos detected	
Layer # 5 off-white	paper/cardboard	no asbestos detected	
Layer # 6 white	texture/joint compound	no asbestos detected	
Sample # BRF-ACM-006f		11-05827- 30 Wall System	Positive Layer? No
Layer #1 off-white	paint	no asbestos detected	
Layer # 2 white	texture/joint compound	no asbestos detected	
Layer #3 yellow	fabric	no asbestos detected	
		11-05827- 31 Flooring	Positive Layer? No
	20.	no asbestos detected	i ositive Layer: No
Sample # BRF-ACM-007g	floor tile		
Layer # 1 gray	floor tile mastic		
Layer # 1 gray Layer # 2 yellow	mastic	no asbestos detected	Docitive Lavora Ma
Layer # 1 gray Layer # 2 yellow Sample # BRF-ACM-008h	mastic 201	no asbestos detected 11-05827- 32 Flooring	Positive Layer? No
Layer # 1 gray Layer # 2 yellow Sample # <u>BRF-ACM-008h</u> Layer # 1 gray	mastic 201 floor tile	no asbestos detected 11-05827- 32 Flooring no asbestos detected	Positive Layer? No
Layer # 1 gray Layer # 2 yellow Sample # BRF-ACM-008h Layer # 1 gray Layer # 2 yellow	mastic 201 floor tile mastic	no asbestos detected 11-05827- 32 Flooring no asbestos detected no asbestos detected	Positive Layer? No
Layer # 1 gray Layer # 2 yellow Sample # <u>BRF-ACM-008h</u> Layer # 1 gray	mastic 201 floor tile	no asbestos detected 11-05827- 32 Flooring no asbestos detected	Positive Layer? No

Sample # BRF-ACM-009i		05827- 33 Flooring	Positive Layer? No
Layer #1 gray	floor tile	no asbestos detected	
Layer # 2 yeilow	mastic	no asbestos detected	Death of Laure 2 Ma
Sample # BRF-ACM-010i Layer # 1 white	floor tile	15827- 34 Flooring no asbestos detected	Positive Layer? No
Layer # 2 yellow	mastic	no asbestos detected	
Layer # 3 white	leveling compound	no asbestos detected	
Sample # BRF-ACM-011k		05827- 35 Flooring	Positive Layer? No
Layer #1 white	floor tile	no asbestos detected	TOSIAVE EdyCT: NO
Layer # 2 yellow	mastic	no asbestos detected	
Sample # BRF-ACM-012	2011-0	95827- 36 Flooring	Positive Layer? No
Layer # 1 white	floor tile	no asbestos detected	
Layer # 2 yellow	mastic	no asbestos detected	
Sample # TR-ACM-001a	2011-0	95827- 37 Wall System	Positive Layer? No
Layer # 1 off-white	paint	no asbestos detected	
Layer # 2 white	texture/joint compound	<=1% chrysotile asbestos	
Layer # 3 off-white	paper/cardboard	no asbestos detected	
Layer # 4 white	texture/joint compound	<=1% chrysotile asbestos	
Layer # 5 tan	paper/cardboard	no asbestos detected	
Sample # TR-ACM-002b		05827- 38 Wall System	Positive Layer? No
Layer # 1 off-white	paint	no asbestos detected	
Layer # 2 tan	paper/cardboard	no asbestos detected	
Layer #3 white	drywall core	no asbestos detected 95827- 39 Wall System	Desirius Lavava No
Sample # <u>TR-ACM-003c</u> Layer #1 off-white	paint	no asbestos detected	Positive Layer? No
Layer # 2 tan	paper/cardboard	no asbestos detected	
Layer #3 white	drywall core	no asbestos detected	
Sample # TR-ACM-004d		95827- 40 Flooring	Positive Layer? No
Layer #1 gray	floor tile	no asbestos detected	POSITIVE Layer: NO
Layer # 2 yellow	mastic	no asbestos detected	
Layer #3 off-white	leveling compound	no asbestos detected	
Sample # TR-ACM-005e		05827- 41 Flooring	Positive Layer? No
Layer #1 gray	floor tile	no asbestos detected	
Sample # TR-ACM-006f	2011-0	15827- 42 Flooring	Positive Laver? No
Layer #1 gray	floor tile	no asbestos detected	
Layer # 2 yellow	mastic	no asbestos detected	
Layer #3 gray	debris	no asbestos detected	
Sample # TR-ACM-007q	2011-0	5827- 43 Acoustical Tile	Positive Layer? No
Layer # 1 off-white	paint	no asbestos detected	
Layer # 2 brown	acoustical tile	no asbestos detected	
Sample # TR-ACM-008h		95827- 44 Acoustical Tile	Positive Layer? No
Layer # 1 off-white	paint	no asbestos detected	
Layer # 2 brown	acoustical tile	no asbestos detected	
Sample # TR-ACM-009i		5827- 45 Acoustical Tile	Positive Layer? No
Layer #1 off-white	paint	no asbestos detected	
Layer # 2 brown	acoustical tile	no asbestos detected	5 1 . 5 41
Sample # KT-ACM-001a		5827- 46 Flooring	Positive Layer? No
Layer # 1 white Layer # 2 black	floor tile mastic	no asbestos detected no asbestos detected	
Sample # KT-ACM-002b		95827- 47 Flooring	Positivo Lavor? No
Layer #1 white	floor tile	no asbestos detected	Positive Layer? No
Layer # 2 black	mastic	no asbestos detected	
Layer #3 off-white	leveling compound	no asbestos detected	
Sample # KT-ACM-003c		05827- 48 Flooring	Positive Layer? No
Layer #1 white	floor tile	no asbestos detected	
Layer # 2 black	bitumen-paper	no asbestos detected	
Sample # KT-ACM-004d	2011-0	5827- 49 Acoustical Tile	Positive Layer? No
Layer # 1 off-white	paint	no asbestos detected	
Layer # 2 brown	acoustical tile	no asbestos detected	
Sample # KT-ACM-005e	2011-0	95827- 50 Acoustical Tile	Positive Layer? No
Layer # 1 off-white	paint	no asbestos detected	
Layer # 2 brown	acoustical tile	no asbestos detected	
Sample # KT-ACM-006f		95827- 51 Acoustical Tile	Positive Layer? No
Layer # 1 off-white	paint	no asbestos detected	
Layer # 2 brown	acoustical tile	no asbestos detected	
Sample # KT-ACM-007g		95827- 52 Wall System	Positive Layer? No
Layer # 1 off-white	paint texture/joint.compound	no asbestos detected <=1% chrysotile asbestos	
Layer # 2 off-white	texture/joint compound		Danibus Laure Ma
Sample # <u>KT-ACM-008h</u> Layer # 1 off-white	paint 2011-0	95827- 53 Wall System no asbestos detected	Positive Layer? No
Layer # 2 off-white	texture/joint compound	<=1% chrysotile asbestos	
Sample # KT-ACM-009i		95827- 54 Wall System	Positive Layer? No
Layer # 1 off-white	paint	no asbestos detected	FOSIUVE Layer: NO
Layer # 2 tan	paper/cardboard	no asbestos detected	
Layer #3 white	drywall core	no asbestos detected	
	<u></u>		

Sample # KT-ACM-010i		2011-05827- 55 Miscellaneous	Positive Layer? No
Layer # 1 black	base cove	no asbestos detected	
Layer # 2 brown	mastic	no asbestos detected	
Sample # KT-ACM-011k		2011-05827- 56 Miscellaneous	Positive Layer? No
Layer # 1 black	base cove	no asbestos detected	
Layer # 2 off-white	mastic	no asbestos detected	5 - 111 - 1 5 11
Sample # <u>KT-ACM-012</u> Layer # 1 black	base cove	2011-05827- 57 Miscellaneous no asbestos detected	Positive Layer? No
Layer # 2 off-white	mastic	no asbestos detected	
Layer #3 brown	mastic	no asbestos detected	
Sample # MR-ACM-001a	77100010	2011-05827- 58 Flooring	Positive Layer? No
Layer #1 gray	floor tile	no asbestos detected	100.010 20,011 110
Layer # 2 yellow	mastic	no asbestos detected	
Sample # MR-ACM-002b		2011-05827- 59 Flooring	Positive Layer? No
Layer # 1 gray	floor tile	no asbestos detected	
Layer # 2 yellow	mastic	no asbestos detected	
Layer # 3 off-white	leveling compound	no asbestos detected	
Layer #4 brown	wood	no asbestos detected	
Sample # MR-ACM-003c	March Mar	2011-05827- 60 Flooring	Positive Layer? No
Layer #1 gray	floor tile mastic	no asbestos detected no asbestos detected	
Layer # 2 yellow Layer # 3 off-white	leveling compound	no asbestos detected	
Layer # 4 brown	wood	no asbestos detected	
Sample # MR-ACM-004d	***************************************	2011-05827- 61 Flooring	Positive Laver? No
Layer # 1 gray	floor tile	no asbestos detected	. Co. Gre Layer 140
Layer # 2 yellow	mastic	no asbestos detected	
Layer #3 off-white	leveling compound	no asbestos detected	
Sample # MR-ACM-005e		2011-05827- 62 Flooring	Positive Layer? No
Layer # 1 gray	floor tile	no asbestos detected	
Layer # 2 yellow	mastic	no asbestos detected	
Layer # 3 off-white	leveling compound	no asbestos detected	
Layer #4 brown	wood	no asbestos detected	5 5
Sample # MR-ACM-006f	haar	2011-05827- 63 Miscellaneous	Positive Layer? No
Layer # 1 black Layer # 2 off-white	base cove mastic	no asbestos detected no asbestos detected	
Sample # MR-ACM-007q	Hasuc	2011-05827- 64 Miscellaneous	Positive Layer? No
Layer # 1 black	base cove	no asbestos detected	Positive Layer: No
Layer # 2 off-white	mastic	no asbestos detected	
Sample # MR-ACM-008h		2011-05827- 65 Miscellaneous	Positive Layer? No
Layer #1 black	base cove	no asbestos detected	
Layer # 2 off-white	mastic	no asbestos detected	
Sample # MR-ACM-009i		2011-05827- 66 Miscellaneous	Positive Layer? No
Layer # 1 black	base cove	no asbestos detected	
Layer # 2 off-white	mastic	no asbestos detected	
Sample # MR-ACM-010i		2011-05827- 67 Miscellaneous	Positive Layer? No
Layer # 1 black	base cove	no asbestos detected	
Layer #2 off-white	mastic	no asbestos detected	5 1 . 5
Sample # MR-ACM-011k	naint	2011-05827- 68 Acoustical Tile	Positive Layer? No
Layer # 1 off-white	paint	no asbestos detected	
Layer # 2 brown Sample # MR-ACM-012	acoustical tile	no asbestos detected 2011-05827- 69 Acoustical Tile	Positive Layer? No
Layer # 1 off-white	paint	no asbestos detected	1 0310 VE LEFET! 140
Layer # 2 brown	acoustical tile	no asbestos detected	
Sample # MR-ACM-013m		2011-05827- 70 Acoustical Tile	Positive Layer? No
Layer # 1 off-white	paint	no asbestos detected	
Cayer # 1 Oil Wince		no aspestos detected	
Layer # 2 brown	acoustical tile	no asbestos detected	
	-	no asbestos detected 2011-05827- 71 Acoustical Tile	Positive Layer? No
Layer # 2 brown	-	no asbestos detected 2011-05827- 71 Acoustical Tile no asbestos detected	
Layer # 2 brown Sample # MR-ACM-014n Layer # 1 brown Sample # MR-ACM-0150	acoustical tile	no asbestos detected 2011-05827- 71 Acoustical Tile no asbestos detected 2011-05827- 72 Acoustical Tile	Positive Layer? No Positive Layer? No
Layer # 2 brown Sample # MR-ACM-014n Layer # 1 brown Sample # MR-ACM-0150 Layer # 1 off-white	acoustical tile acoustical tile paint	no asbestos detected 2011-05827- 71 Acoustical Tile no asbestos detected 2011-05827- 72 Acoustical Tile no asbestos detected	
Layer # 2 brown Sample # MR-ACM-014n Layer # 1 brown Sample # MR-ACM-015o Layer # 1 off-white Layer # 2 brown	acoustical tile	no asbestos detected 2011-05827- 71 Acoustical Tile no asbestos detected 2011-05827- 72 Acoustical Tile no asbestos detected no asbestos detected	Positive Layer? No
Layer # 2 brown Sample # MR-ACM-014n Layer # 1 brown Sample # MR-ACM-015o Layer # 1 off-white Layer # 2 brown Sample # MR-ACM-016p	acoustical tile acoustical tile paint acoustical tile	no asbestos detected 2011-05827- 71 Acoustical Tile no asbestos detected 2011-05827- 72 Acoustical Tile no asbestos detected no asbestos detected 2011-05827- 73 Wall System	
Layer # 2 brown	acoustical tile acoustical tile paint acoustical tile paint	no asbestos detected 2011-05827- 71 Acoustical Tile no asbestos detected 2011-05827- 72 Acoustical Tile no asbestos detected no asbestos detected 2011-05827- 73 Wall System no asbestos detected	Positive Layer? No
Layer # 2 brown	acoustical tile acoustical tile paint acoustical tile paint texture/joint compo	no asbestos detected 2011-05827- 71 Acoustical Tile no asbestos detected 2011-05827- 72 Acoustical Tile no asbestos detected no asbestos detected 2011-05827- 73 Wall System no asbestos detected and <=1% chrysotile asbestos	Positive Layer? No
Layer # 2 brown	acoustical tile acoustical tile paint acoustical tile paint texture/joint compo	no asbestos detected 2011-05827- 71 Acoustical Tile no asbestos detected 2011-05827- 72 Acoustical Tile no asbestos detected no asbestos detected 2011-05827- 73 Wall System no asbestos detected	Positive Layer? No
Layer # 2 brown	acoustical tile acoustical tile paint acoustical tile paint texture/joint compo	no asbestos detected 2011-05827-71 Acoustical Tile no asbestos detected 2011-05827-72 Acoustical Tile no asbestos detected no asbestos detected 2011-05827-73 Wall System no asbestos detected ound <=1% chrysotile asbestos no asbestos detected no asbestos detected no asbestos detected	Positive Layer? No
Layer # 2 brown	acoustical tile acoustical tile paint acoustical tile paint texture/joint compo	no asbestos detected 2011-05827- 71 Acoustical Tile no asbestos detected 2011-05827- 72 Acoustical Tile no asbestos detected no asbestos detected 2011-05827- 73 Wall System no asbestos detected und <=1% chrysotile asbestos no asbestos detected	Positive Layer? No
Layer # 2 brown Sample # MR-ACM-014n Layer # 1 brown Sample # MR-ACM-015o Layer # 2 brown Sample # MR-ACM-016p Layer # 1 various Layer # 2 various Layer # 2 off-white Layer # 3 tan Layer # 4 white Sample # MR-ACM-017p	acoustical tile paint acoustical tile paint acoustical tile paint texture/joint compo	no asbestos detected 2011-05827- 71 Acoustical Tile no asbestos detected 2011-05827- 72 Acoustical Tile no asbestos detected no asbestos detected 2011-05827- 73 Wall System no asbestos detected 2011-05827- 74 Wall System no asbestos detected 2011-05827- 74 Wall System no asbestos detected 2011-05827- 74 Wall System no asbestos detected	Positive Layer? No
Layer # 2 brown	acoustical tile acoustical tile paint acoustical tile paint texture/joint comport paper/cardboard drywall core paint	no asbestos detected 2011-05827- 71 Acoustical Tile no asbestos detected 2011-05827- 72 Acoustical Tile no asbestos detected no asbestos detected 2011-05827- 73 Wall System no asbestos detected 2011-05827- 74 Wall System no asbestos detected 2011-05827- 74 Wall System no asbestos detected 2011-05827- 74 Wall System no asbestos detected	Positive Layer? No
Layer # 2 brown	acoustical tile acoustical tile paint acoustical tile paint texture/joint comport paper/cardboard drywall core paint	no asbestos detected 2011-05827- 71 Acoustical Tile no asbestos detected 2011-05827- 72 Acoustical Tile no asbestos detected no asbestos detected 2011-05827- 73 Wall System no asbestos detected 2011-05827- 74 Wall System no asbestos detected	Positive Layer? No Positive Layer? No Positive Layer? No
Layer # 2 brown Sample # MR-ACM-014n Layer # 1 brown Sample # MR-ACM-015o Layer # 1 off-white Layer # 2 brown Sample # MR-ACM-016p Layer # 1 various Layer # 2 off-white Layer # 3 tan Layer # 4 white Sample # MR-ACM-017p Layer # 1 off-white Layer # 2 off-white Sample # MR-ACM-017p Layer # 2 off-white Layer # 3 tan Layer # 4 white	acoustical tile paint acoustical tile paint texture/joint compaper/cardboard drywall core paint texture/joint compaper/cardboard	no asbestos detected 2011-05827- 71	Positive Layer? No Positive Layer? No Positive Layer? No

Sample # MR-ACM-019s	2011-05	827- 76 Wall System	Positivo Lavora No
Layer # 1 off-white	paint	no asbestos detected	Positive Layer? No
Layer # 2 off-white	texture/joint compound	<=1% chrysotile asbestos	
Layer # 3 tan	paper/cardboard	no asbestos detected	
Layer # 4 white	drywall core	no asbestos detected	
Sample # MR-ACM-020t	2011-058	827- 77 Wall System	Positive Layer? No
Layer # 1 off-white	paint	no asbestos detected	
Layer # 2 tan	paper/cardboard	no asbestos detected	
Layer #3 white	drywall core	no asbestos detected	
Sample # RMB-ACM-001a	2011-05	2	Positive Layer? No
Layer # 1 off-white Layer # 2 yellow	floor tile	no asbestos detected	
	mastic 2011 051	no asbestos detected	Desirius Laure 2 No
Sample # RMB-ACM-002b Layer # 1 off-white	2011-058 floor tile	827- 79 Flooring no asbestos detected	Positive Layer? No
Layer # 2 yellow	mastic	no asbestos detected	
Sample # RMB-ACM-003c	2011-058		Positive Layer? No
Layer #1 off-white	floor tile	no asbestos detected	POSITIVE LEYET: 110
Layer # 2 yellow	mastic	no asbestos detected	
Sample # RMB-ACM-004d	2011-058	827- 81 Acoustical Tile	Positive Layer? No
Layer # 1 white	paint	no asbestos detected	
Layer # 2 tan	acoustical tile	no asbestos detected	
Sample # RMB-ACM-005e	2011-058	827- 82 Acoustical Tile	Positive Layer? No
Layer # 1 white	paint	no asbestos detected	
Layer # 2 tan	acoustical tile	no asbestos detected	
Sample # RMB-ACM-006f	2011-058		Positive Layer? No
Layer #1 white	paint	no asbestos detected	
Layer # 2 tan	acoustical tile	no asbestos detected	"
Sample # RMB-ACM-007g	2011-058		Positive Layer? No
Layer # 1 black Layer # 2 brown	base cove mastic	no asbestos detected no asbestos detected	
Sample # RMB-ACM-008h	2011-058		Docitive I puer? No
Layer # 1 black	base cove	no asbestos detected	Positive Layer? No
Layer # 2 brown	mastic	no asbestos detected	
Sample # RMB-ACM-009i	2011-058		Positive Layer? No
Layer # 1 black	base cove	no asbestos detected	1051070 20707. 170
Layer # 2 brown	mastic	no asbestos detected	
Layer #3 white	mastic	no asbestos detected	
Sample # RMB-ACM-010i	2011-058	827- 87 Wall System	Positive Layer? No
Layer # 1 various	paint	no asbestos detected	
Layer # 1 various Layer # 2 white	texture/joint compound	no asbestos detected no asbestos detected	
Layer # 2 white Layer # 3 tan	texture/joint compound paper/cardboard	no asbestos detected no asbestos detected	
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k	texture/joint compound paper/cardboard 2011-058	no asbestos detected no asbestos detected 827- 88 Wall System	Positive Layer? No
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various	texture/joint compound paper/cardboard 2011-058 paint	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected	Positive Layer? No
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 2 white	texture/joint compound paper/cardboard 2011-056 paint texture/joint compound	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected	Positive Layer? No
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 2 white Layer # 3 tan	texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected	
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 2 white Layer # 3 tan Sample # RMB-ACM-012	texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard 2011-058	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System	Positive Layer? No Positive Layer? No
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 2 white Layer # 3 tan Sample # RMB-ACM-012 Layer # 1 various	texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard 2011-058 paint	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected	
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 2 white Layer # 3 tan Sample # RMB-ACM-012 Layer # 1 various Layer # 2 white	texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard 2011-058 paint texture/joint compound	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected no asbestos detected	
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 2 white Layer # 3 tan Sample # RMB-ACM-012 Layer # 1 various	texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard 2011-058 paint	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected	
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 2 white Layer # 3 tan Sample # RMB-ACM-012 Layer # 1 various Layer # 2 white Layer # 3 tan	texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected	
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 2 white Layer # 3 tan Sample # RMB-ACM-012 Layer # 1 various Layer # 2 white Layer # 2 white Layer # 3 tan Layer # 3 tan Layer # 4 white	texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard drywall core	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected	Positive Layer? No
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 3 tan Sample # RMB-ACM-012 Layer # 1 various Layer # 2 white Layer # 2 white Layer # 3 tan Layer # 3 tan Layer # 4 white Sample # RMA-ACM-001a	texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard drywal core 2011-056	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 90 Flooring	Positive Layer? No
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 2 white Layer # 3 tan Sample # RMB-ACM-012 Layer # 1 various Layer # 2 white Layer # 3 tan Layer # 3 tan Layer # 3 tan Layer # 4 white Sample # RMA-ACM-001a Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-002b	texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard drywall core 2011-058 floor tile mastic 2011-058	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected	Positive Layer? No
Layer # 2	texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard drywal core 2011-058 floor tile mastic 2011-058	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 90 Flooring no asbestos detected no asbestos detected no asbestos detected no asbestos detected	Positive Layer? No Positive Layer? No
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 3 tan Sample # RMB-ACM-012 Layer # 1 various Layer # 2 white Layer # 3 tan Layer # 2 white Layer # 3 tan Layer # 3 tan Layer # 3 tan Layer # 4 white Sample # RMA-ACM-001a Layer # 1 off-white Layer # 2 yellow	texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard drywall core 2011-058 floor tile mastic floor tile mastic	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 90 Flooring no asbestos detected 827- 91 Flooring no asbestos detected 827- 91 Flooring no asbestos detected no asbestos detected no asbestos detected	Positive Layer? No Positive Layer? No Positive Layer? No
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 3 tan Sample # RMB-ACM-012 Layer # 1 various Layer # 2 white Layer # 3 tan Layer # 3 tan Layer # 1 various Layer # 3 tan Layer # 2 white Sample # RMA-ACM-001a Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-002b Layer # 2 yellow Sample # RMA-ACM-003c	texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard drywal core 2011-056 floor tile mastic 2011-056 floor tile mastic 2011-056	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 89 Wall System no asbestos detected 827- 90 Flooring no asbestos detected 827- 91 Flooring no asbestos detected no asbestos detected no asbestos detected 827- 91 Flooring no asbestos detected no asbestos detected	Positive Layer? No Positive Layer? No
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard drywall core 2011-056 floor tile mastic 2011-056 floor tile	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 90 Flooring no asbestos detected 827- 91 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 92 Flooring no asbestos detected	Positive Layer? No Positive Layer? No Positive Layer? No
Layer # 2	texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard drywall core 2011-058 floor tile mastic 2011-058 floor tile floor tile floor tile floor tile mastic 2011-058 floor tile mastic	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 90 Flooring no asbestos detected 827- 91 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 92 Flooring no asbestos detected no asbestos detected	Positive Layer? No Positive Layer? No Positive Layer? No Positive Layer? No
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 2 white Layer # 1 various Layer # 1 various Layer # 1 various Layer # 2 white Layer # 3 tan Layer # 3 tan Layer # 3 tan Sample # RMA-ACM-001a Layer # 4 white Sample # RMA-ACM-001b Layer # 1 off-white Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 1 off-white Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 2 yellow Sample # RMA-ACM-003c Layer # 2 yellow	texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard drywall core 2011-058 floor tile mastic 2011-058 floor tile mastic 2011-058 floor tile mastic 2011-058	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 90 Flooring no asbestos detected 827- 91 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 92 Flooring no asbestos detected no asbestos detected 827- 93 Acoustical Tile	Positive Layer? No Positive Layer? No Positive Layer? No
Layer # 2	texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard drywall core 2011-058 floor tile mastic 2011-058 floor tile mastic 2011-058 paint 2011-058 paint	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 90 Flooring no asbestos detected 827- 91 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 93 Acoustical Tile no asbestos detected	Positive Layer? No Positive Layer? No Positive Layer? No Positive Layer? No
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 3 tan Sample # RMB-ACM-012 Layer # 1 various Layer # 1 various Layer # 2 white Layer # 3 tan Layer # 2 white Sample # RMA-ACM-001a Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-002b Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-004d Layer # 1 white	texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard drywall core 2011-056 floor tile mastic 2011-056 floor tile mastic 2011-056 paint acoustical tile	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 90 Flooring no asbestos detected 827- 91 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 93 Acoustical Tile no asbestos detected no asbestos detected	Positive Layer? No
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 3 tan Sample # RMB-ACM-012 Layer # 1 various Layer # 2 white Layer # 3 tan Layer # 3 tan Layer # 3 tan Layer # 4 white Sample # RMA-ACM-001a Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-002b Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-004d Layer # 1 white Layer # 2 off-white	texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard drywall core 2011-058 floor tile mastic 2011-058 floor tile mastic 2011-058 paint 2011-058 paint	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 90 Flooring no asbestos detected 827- 91 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 93 Acoustical Tile no asbestos detected	Positive Layer? No Positive Layer? No Positive Layer? No Positive Layer? No
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 3 tan Sample # RMB-ACM-012 Layer # 1 various Layer # 1 various Layer # 2 white Layer # 3 tan Layer # 2 white Sample # RMA-ACM-001a Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-002b Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-004d Layer # 1 white	texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard drywall core 2011-058 floor tile mastic 2011-058 floor tile mastic 2011-058 paint acoustical tile 2011-058	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 90 Flooring no asbestos detected 827- 91 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 93 Acoustical Tile no asbestos detected no asbestos detected	Positive Layer? No
Layer # 2	texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard drywall core 2011-056 floor tile mastic 2011-056 floor tile mastic 2011-056 paint acoustical tile 2011-056 paint	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 90 Flooring no asbestos detected 827- 91 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 93 Acoustical Tile no asbestos detected	Positive Layer? No
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 2 white Layer # 3 tan Sample # RMB-ACM-012 Layer # 1 various Layer # 2 white Layer # 3 tan Layer # 3 tan Layer # 4 white Sample # RMA-ACM-001a Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-004d Layer # 1 white Layer # 2 off-white	texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard drywall core 2011-056 floor tile mastic 2011-056 floor tile mastic 2011-056 paint acoustical tile 2011-056 paint acoustical tile	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 90 Flooring no asbestos detected 827- 91 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 93 Acoustical Tile no asbestos detected	Positive Layer? No
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 2 white Layer # 3 tan Sample # RMB-ACM-012 Layer # 1 various Layer # 2 white Layer # 3 tan Layer # 3 tan Layer # 3 tan Sample # RMA-ACM-001a Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-004d Layer # 1 off-white Layer # 1 off-white Layer # 2 off-white Layer # 1 white Layer # 2 off-white Layer # 1 white Layer # 2 off-white Layer # 1 white Layer # 2 off-white Layer # 3 tan Layer # 2 off-white Layer # 2 off-white Layer # 2 off-white Layer # 2 off-white	texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard 2011-058 paint texture/joint compound paper/cardboard drywall core 2011-058 floor tile mastic 2011-058 floor tile mastic 2011-058 paint acoustical tile 2011-058 paint acoustical tile 2011-058	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 90 Flooring no asbestos detected 827- 91 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 93 Acoustical Tile no asbestos detected 827- 94 Acoustical Tile no asbestos detected 827- 94 Acoustical Tile no asbestos detected no asbestos detected so asbestos detected	Positive Layer? No
Layer # 2	texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard drywal core 2011-056 floor tile mastic 2011-056 floor tile mastic 2011-056 paint acoustical tile 2011-056 paint acoustical tile paint acoustical tile 2011-056 paint	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 90 Flooring no asbestos detected 827- 91 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 93 Acoustical Tile no asbestos detected 827- 94 Acoustical Tile no asbestos detected 827- 95 Acoustical Tile no asbestos detected no asbestos detected	Positive Layer? No
Layer # 2	texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard drywall core 2011-056 floor tile mastic 2011-056 floor tile mastic 2011-056 paint acoustical tile 2011-056 paint acoustical tile paint acoustical tile	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 90 Flooring no asbestos detected 827- 91 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 93 Acoustical Tile no asbestos detected 827- 94 Acoustical Tile no asbestos detected 827- 95 Acoustical Tile no asbestos detected no asbestos detected	Positive Layer? No
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 3 tan Sample # RMB-ACM-012 Layer # 1 various Layer # 2 white Layer # 3 tan Layer # 3 tan Layer # 3 tan Layer # 3 tan Layer # 4 white Sample # RMA-ACM-001a Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-002b Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-004d Layer # 2 yellow Sample # RMA-ACM-004d Layer # 2 off-white Layer # 2 off-white Sample # RMA-ACM-005c Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005c Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005c Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005c Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-006f Layer # 2 off-white Sample # RMA-ACM-006f Layer # 2 off-white Sample # RMA-ACM-006f Layer # 2 off-white	texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard drywall core 2011-056 floor tile mastic 2011-056 floor tile mastic 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 paint acoustical tile	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 90 Flooring no asbestos detected 827- 91 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 93 Acoustical Tile no asbestos detected 827- 94 Acoustical Tile no asbestos detected 827- 95 Acoustical Tile no asbestos detected no asbestos detected no asbestos detected 827- 95 Acoustical Tile no asbestos detected no asbestos detected 827- 95 Miscellaneous	Positive Layer? No
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 2 white Layer # 3 tan Sample # RMB-ACM-012 Layer # 1 various Layer # 2 white Layer # 3 tan Layer # 2 white Sample # RMA-ACM-001a Layer # 1 off-white Layer # 1 white Layer # 1 white Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005e Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005f Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005f Layer # 1 white Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005f Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005f Layer # 1 black Layer # 2 yellow Sample # RMA-ACM-007g Layer # 1 black Layer # 2 yellow Sample # RMA-ACM-007g Layer # 1 black Layer # 2 yellow Sample # RMA-ACM-007g Layer # 1 black Layer # 2 yellow Sample # RMA-ACM-007g Layer # 2 yellow	texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard drywall core 2011-056 floor tile mastic 2011-056 floor tile mastic 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 base cove mastic	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 90 Flooring no asbestos detected 827- 91 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 93 Acoustical Tile no asbestos detected 827- 94 Acoustical Tile no asbestos detected 827- 95 Acoustical Tile no asbestos detected 827- 96 Miscellaneous no asbestos detected no asbestos detected	Positive Layer? No
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 2 white Layer # 3 tan Sample # RMA-ACM-001a Layer # 4 white Sample # RMA-ACM-001a Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005c Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005c Layer # 1 white Sample # RMA-ACM-005c Layer # 1 white Layer # 1 black Layer # 1 black Layer # 2 yellow Sample # RMA-ACM-007c Layer # 1 black Layer # 2 yellow Sample # RMA-ACM-007c Layer # 1 black Layer # 2 yellow	texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard drywall core 2011-056 floor tile mastic 2011-056 floor tile mastic 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 89 Wall System no asbestos detected no asbestos detected no asbestos detected no asbestos detected 827- 90 Flooring no asbestos detected 827- 91 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 93 Acoustical Tile no asbestos detected 827- 93 Acoustical Tile no asbestos detected 827- 94 Acoustical Tile no asbestos detected 827- 95 Acoustical Tile no asbestos detected 827- 96 Miscellaneous no asbestos detected	Positive Layer? No Positive Layer? No
Layer # 2 white Layer # 3 tan Sample # RMB-ACM-011k Layer # 1 various Layer # 1 various Layer # 2 white Layer # 1 various Layer # 2 various Layer # 2 various Layer # 2 various Layer # 3 tan Sample # RMA-ACM-001a Layer # 4 white Sample # RMA-ACM-001a Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Layer # 1 off-white Layer # 2 yellow Sample # RMA-ACM-003c Sample # RMA-ACM-005c Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005c Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005c Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005c Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005c Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005c Layer # 1 white Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005c Sample # RMA-ACM-005c Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005c Sample # RMA-ACM-005c Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005c Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005c Layer # 1 white Layer # 2 off-white Sample # RMA-ACM-005c Layer # 1 white Layer # 2 white Sample # RMA-ACM-005c Layer # 1 white Layer # 2 white Sample # RMA-ACM-005c Layer # 1 white Layer # 2 white Sample # RMA-ACM-005c Layer # 1 white Layer # 2 white Sample # RMA-ACM-005c Layer # 1 white Layer # 2 white Sample # RMA-ACM-005c Layer # 2 white Sample # RMA-CM-005c Layer # 2 white	texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard 2011-056 paint texture/joint compound paper/cardboard drywall core 2011-056 floor tile mastic 2011-056 floor tile mastic 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 paint acoustical tile 2011-056 base cove mastic	no asbestos detected no asbestos detected 827- 88 Wall System no asbestos detected no asbestos detected no asbestos detected 827- 89 Wall System no asbestos detected 827- 90 Flooring no asbestos detected 827- 91 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 92 Flooring no asbestos detected 827- 93 Acoustical Tile no asbestos detected 827- 94 Acoustical Tile no asbestos detected 827- 95 Acoustical Tile no asbestos detected 827- 96 Miscellaneous no asbestos detected no asbestos detected	Positive Layer? No Positive Layer? No

Sample # RMA-ACM-009i	2011-05	5827- 98 Miscellaneous	Positive Layer? No
Layer # 1 black	base cove	no asbestos detected	
Layer # 2 yellow	mastic	no asbestos detected	
Sample # RMA-ACM-010j	2011-05	5827- 99 Wall System	Positive Layer? No
Layer # 1 white	paint	no asbestos detected	
Layer # 2 white	texture/joint compound	no asbestos detected	
Sample # RMA-ACM-011k	2011-05	5827- 100 Wall System	Positive Layer? No
Layer # 1 white	paint	no asbestos detected	
Layer # 2 white	texture/joint compound	no asbestos detected	
Sample # RMA-ACM-012	2011-05	5827- 101 Wall System	Positive Layer? No
Layer # 1 off-white	paint	no asbestos detected	
Layer # 2 white	texture/joint compound	no asbestos detected	
Layer #3 tan	paper/cardboard	no asbestos detected	
Layer # 4 white	drywall core	no asbestos detected	
Sample # BRB-ACM-001a	2011-05	5827- 102 Flooring	Positive Layer? No
Layer # 1 off-white	floor tile	no asbestos detected	·
Layer # 2 yellow	mastic	no asbestos detected	
Sample # BRB-ACM-002b	2011-05	827- 103 Flooring	Positive Layer? No
Layer # 1 off-white	floor tile	no asbestos detected	·
Layer # 2 yellow	mastic	no asbestos detected	
Sample # BRB-ACM-003c	2011-05	827- 104 Flooring	Positive Layer? No
Layer # 1 off-white	floor tile	no asbestos detected	
Layer # 2 yellow	mastic	no asbestos detected	
Sample # BRB-ACM-004d	2011-05	827- 105 Wall System	Positive Layer? No
Layer # 1 white	paint	no asbestos detected	
Layer # 2 white	texture/joint compound	no asbestos detected	
Sample # BRB-ACM-005e	2011-05	827- 106 Wall System	Positive Laver? No
Layer # 1 white	paint	no asbestos detected	
Layer # 2 white	texture/joint compound	<=1% chrysotile asbestos	
Layer #3 tan	paper/cardboard	no asbestos detected	
Layer # 4 white	drywall core	no asbestos detected	
Sample # BRB-ACM-006f	2011-05	827- 107 Wall System	Positive Layer? No
Layer # 1 white	paint	no asbestos detected	
Layer # 2 white	texture/joint compound	<=1% chrysotile asbestos	
Layer # 3 off-white	paper/cardboard	no asbestos detected	
Layer # 4 white	texture/joint compound	<=1% chrysotile asbestos	
Layer # 5 tan	paper/cardboard	no asbestos detected	
Layer # 6 white	drywall core	no asbestos detected	
Sample # BRB-ACM-007q	2011-05	827- 108 Miscellaneous	Positive Layer? No
Layer # 1 black	base cove	no asbestos detected	
Layer # 2 off-white	mastic	no asbestos detected	
Sample # BRB-ACM-008h	2011-05	827- 109 Miscellaneous	Positive Layer? No
Layer # 1 black	base cove	no asbestos detected	
Layer # 2 off-white	mastic	no asbestos detected	
Layer #3 brown	mastic	no asbestos detected	
Sample # BRB-ACM-009i		827- 110 Miscellaneous	Positive Layer? No
Layer #1 black	base cove	no asbestos detected	. solere mayor. He
Layer # 2 off-white	mastic	no asbestos detected	
			····································

^{*} Apparent Sample Types and Apparent Layer Types are as they appeared to the analyst. Since many types of materials appear similar after sampling damage, the apparent type of material may not be the actual type of material.

5025 S. 33rd Street

Page 7 of 58

Phone: 602-276-6139

PLM Analysis Details

Job Number:

201105827

031.11.003

Sample RF-ACM-001a

Lab Number 2011-05827- 1

Sampled: 6/1/2011

10:42 Condition: acceptable

Analyzed By US

6/16/2011

An? OK Apparent Smp Type Roofing

comp type noo

Fibrous Solid

Homogeneous No

Layers 5

Pos Layer? No

Sub-Samples 10

Non-Fibrous Components (in approx. decreasing order): bitumen, filler, binder

ra	yers				Percents of Each Fiber						
#	Layer Type	%	Color	Friability [Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6	
1	paint	3	silver	1	n.d.	n.d.	-	-	-	-	
2	roof ply	22	biack	1	10-20%	n.d.	-	-	-	-	
3	roof ply	15	biack	1	10-20%	n.d.		-	-		
4	bitumen	50	biack	1	n.d.	n.d.		-	-	-	
5	roof ply	10	błack	1	n.d.	60-70%	-	-	-	-	
	Total %	100		Overall %	5-10%	5-10%		· -	-	-	

Fiber Identification:

glass fiber cellulose fiber

_					_
	Refractive :	Index	Determi	nations	

	Fibers							Kenactive Index Determinations					
\vdash	Fibers	Color	Mrph	Iso	Pieo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	giass fiber	CL	D	Υ					,				
2	cellulose fiber	W	F	N	N	Н	+	U					
3													
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of bitumen matrix using solvent.

Sample RF-ACM-002b

Lab Number 2011-05827- 2

Sampled: 6/1/2011

10:47 Condition: acceptable

Analyzed By US

6/16/2011 An? OK

Apparent Smp Type Roofing

Fibrous Solid

Homogeneous No

Layers 4

Pos Layer? No

Sub-Samples 8

Non-Fibrous Components (in approx. decreasing order): bitumen, filler, binder

La	yers				Percents of Each Fiber						
#	Layer Type	9/0	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6	
1	paint	5	off-white	1	n.d.	-		-	-	-	
2	paint	2	silver	1	n.d.	-	-	-		-	
3	roof ply	33	black	1	10-20%	-	-	-	-	-	
4	bitumen	60	black	1	n.d.	-	-	-	-	-	
	Total %	100		Overali %	2-5%	_		T _	_	_	

Fiber Identification:

Color

CL

glass fiber

Iso

Pleo

Bi

Elg

Mrph

D

	F	Refractive Index Determinations									
Ext	Oil	Col Par	Col Per	RI Par	RI Per						
				<u> </u>							

Sample Analytical Note

Fibers

3 4 5 glass fiber

Procedure: tweased apart using forceps. Procedure: dissolution of bitumen matrix using solvent.

PLM Analysis Details

Job Number:

201105827

031.11.003

Percents of Each Fiber

Fib 3

n.d. 10-20% 10-20% n.d. 5-10%

Sample RF-ACM-003c

Lab Number 2011-05827-3

Sampled: 6/1/2011

10:52

Analyzed By US Homogeneous No 6/16/2011

An? OK Apparent Smp Type Roofing

Pos Layer? Yes

Fibrous Solid # Sub-Samples 8

Fib 4

Layers 4 Non-Fibrous Components (in approx. decreasing order): bitumen, filler, binder

Lay	yers							
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Ī	
1	paint	6	silver	1	>1-2%	2-5%	T	
2	roof ply	32	black	1	n.d.	n.d.	Т	
3	roof ply	32	black	1	n.d.	n.d.	Т	
4	bitumen	30	black	1	n.d.	n.d.	I	
	Total %	100		Overall %	<=1%	<=1%	T	

Fiber Identi

	mil								R	efractive I	ndex Deter	minatio	15
_	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	chrysotile asbestos	W	Α	N	N	L	+	Р	1.550	vb/g	sb/o	1.556	1.553
2	cellulose fiber	W	F	N	N	Н	+	υ					
3	giass fiber	CL	D	Υ									
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of bitumen matrix using solvent.

Sample RF-ACM-004d

Lab Number 2011-05827- 4

Sampled: 6/1/2011

10:57

Condition: acceptable

Condition: acceptable

Fib 6

Fib 5

Analyzed By US

chrysotile asbestos

glass fiber

cellulose fiber

An? OK

Apparent Smp Type Roofing

Fibrous Solid

Homogeneous No

6/16/2011

Layers 5

Pos Layer? Yes

Sub-Samples 10

Non-Fibrous Components (in approx. decreasing order): bitumen, filler, binder

L	ayers				Percents of Each Fiber								
#	Layer Type	º/p	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6			
1	paint	5	silver	1	>1-2%	n.d.	2-5%		-	-			
2	roof ply	25	black	1	n.d.	10-20%	n.d.	•	-				
3	bitumen	20	black	1	n.d.	n.d.	n.d.	_	-	-			
4	roof ply	30	black	1	n.d.	n.d.	60-70%	-	-	-			
5	bitumen	20	black	1	n.d.	n.d.	n.d.	-	-	-			
	Total %	100		Overall %	<=1%	2-5%	10-20%	-	l -	l -			

Fiber Identification:

Color

W

CL

W

Mrph

D

F

Iso

N

N

chrysotile asbestos glass fiber

Pleo

N

N

Bi

Н

cellulose fiber

Elg E

+

	Refractive Index Determinations											
xt	Oil	Col Par	Col Per	RI Par	RI Per							
Р	1.550	vb/g	sb/o	1.556	1.553							
U												

Sample Analytical Note

Fibers

2

3

4 5

Procedure: tweased apart using forceps. Procedure: dissolution of bitumen matrix using solvent.

Job Number:

201105827

031.11.003

Sample RF-ACM-005e

Lab Number 2011-05827- 5

Sampled: 6/1/2011

11:02 Condition: acceptable

Analyzed By US

6/16/2011

An? OK

Apparent Smp Type Roofing

Fibrous Solid

Layers 5 Homogeneous No

Pos Layer? Yes

Sub-Samples 8

Non-Fibrous Components (in approx. decreasing order): bitumen, filler, binder

Lay	/ers						Percents of	Each Fiber		
#	Layer Type	0/0	Color	Friability [Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	5	silver	1	>1-2%	n.d.	2-5%	-	-	-
2	roof ply	25	błack	1	n.d.	10-20%	n.d.	-	-	-
3	bitumen	20	black	1	n.d.	n.d.	n.d.	-	-	-
4	roof ply	30	black	1	n.d.	n.d.	60-70%	-	-	-
5	bitumen	20	black	1	n.d.	n.d.	n.d.	-	-	-
	Total %	100		Overall %	<=1%	2-5%	10-20%	-	-	-

Fiber Identification: chrysotile asbestos glass fiber cellulose fiber

									R	efractive I	ndex Dete	minatio	ns
<u></u>	Fibers	Color	Mrph	Iso	Pieo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	chrysotile asbestos	W	Α	N	N	L	+	Р	1.550	∨b/g	sb/o	1.556	1.553
2	glass fiber	CL	D	Υ									
3	cellulose fiber	W	F	N	N	Н	+	υ					
4													
5					I								
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of bitumen matrix using solvent.

Sample RF-ACM-006f

Lab Number 2011-05827- 6

Sampled: 6/1/2011 11:07

Condition: acceptable

Analyzed By US Homogeneous No 6/16/2011

An? OK # Layers 3

Apparent Smp Type Roofing Pos Layer? Yes

Fibrous Solid

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): bitumen, filler, binder

La	yers			[Percents of	Each Fiber		
#	Layer Type	9/0	Color	Friability [Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	10	silver	1	>1-2%	2-5%	n.d.	-	-	-
2	roof ply	50	black	1	n.d.	n.d.	10-20%	-	-	-
3	bitumen	40	black	1	n.d.	n.d.	n.d.	-	-	-
	Total %	100		Overall %	<=1%	<=1%	5-10%	-	-	-

Fiber Identification:

chrysotile asbestos cellulose fiber glass fiber

									R	efractive I	ndex Deter	mination	ns
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	chrysotile asbestos	W	A	N	N	L	+	Р	1.550	vb/g	sb/o	1.556	1.553
2	cellulose fiber	W	F	N	N	Н	+	U					
3	glass fiber	CL	D	ΥΥ									
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of bitumen matrix using solvent.

Job Number:

201105827

031.11.003

Sample RF-ACM-007g

Lab Number 2011-05827-7

Sampled: 6/1/2011

Condition: acceptable 11:12

Analyzed By US

6/16/2011

Apparent Smp Type Roofing

Fibrous Solid

Homogeneous No

An? OK # Layers 4

Pos Layer? Yes

Sub-Samples 8

Non-Fibrous Components (in approx. decreasing order): bitumen, filler, binder

La	yers						Percents of	Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	5	silver	1	>1-2%	2-5%	n.d.	-	-	-
2	bitumen	10	black	1	n.d.	n.d.	n.d.	-	-	-
3	roof ply	55	biack	1	n.d.	n.d.	10-20%	-	-	-
4	bitumen	30	black	1	n.d.	n.d.	n.d.	-		-
	Total %	100		Overall %	<=1%	<=1%	5-10%	-	-	-

Fiber Identification:

chrysotile asbestos cellulose fiber

glass fiber

	eth								R	efractive I	ndex Deter	minatio	ns
<u></u>	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	chrysotile asbestos	W	Α	N	N	L	+	P	1.550	vb/g	sb/o	1.556	1.553
2	cellulose fiber	w	F	N	N	Н	+	U					
3	glass fiber	CL	D	Υ									
4										_			
5												· · · · · · · · · · · · · · · · · · ·	
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of bitumen matrix using solvent.

Sample RF-ACM-008h

Lab Number 2011-05827-8

Sampled: 6/1/2011

Elg

11:16

Condition: acceptable

Analyzed By US Homogeneous No 6/16/2011

chrysotile asbestos

An? OK

Apparent Smp Type Roofing

Pos Layer? Yes

Fibrous Solid # Sub-Samples 4

Layers 2 Non-Fibrous Components (in approx. decreasing order): bitumen, filler, binder

L	ayers						Percents o	f Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	5	silver	1	>1-2%	-		-	-	-
2	caulk	95	black	1	10-20%	-	-	-	-	-
	Total %	100		Overall %	10-20%	-				-

Iso Pleo

N

Bi

Fiber Identification:

Color

W

chrysotile asbestos

N

Mrph

Α

	R	efractive I	ndex Dete	rminatio	ns
Ext	Oil	Col Par	Col Per	RI Par	RI Per
Р	1.550	vb/g	sb/o	1.556	1.553
				-	
]

Sample Analytical Note

Fibers

3 5 6

Procedure: tweased apart using forceps. Procedure: dissolution of bitumen matrix using solvent.

Job Number:

201105827

031.11.003

Sample RF-ACM-009i

Lab Number 2011-05827-9

Sampled: 6/1/2011

11:20

Analyzed By US

6/16/2011

An? OK

Apparent Smp Type Roofing

Fibrous Solid

Homogeneous No

Layers 5

Pos Layer? Yes

Sub-Samples 10

Non-Fibrous Components (in approx. decreasing order): bitumen, filler, binder

	ayers			L			Percents of	Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	5	silver	1	>1-2%	n.d.	n.d.	•	-	-
2	caulk	10	black	1	n.d.	10-20%	n.d.		•	-
3	roof ply	30	black	1	n.d.	n.d.	10-20%	-	-	-
4	bitumen	20	black	1	n.d.	n.d.	n.d.	-	-	-
5	roofing roll/shingle	35	white	1	n.d.	n.d.	5-10%		-	-
	Total %	100		Overall %	<=1%	>1-2%	5-10%	-	-	-

Fiber Identification:

chrysotile asbestos cellulose fiber glass fiber

									R	efractive I	ndex Dete	rminatio	ns
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	chrysotile asbestos	W	Α	N	N	L	+	Р	1.550	vb/g	sb/o	1.556	1.553
2	cellulose fiber	W	F	N	N	н	+	υ					
3	glass fiber	CL	D	Υ									
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of bitumen matrix using solvent.

Sample SR-ACM-001a

Lab Number 2011-05827- 10

Sampled: 6/1/2011

11:24

Condition: acceptable

Condition: acceptable

Analyzed By US

6/16/2011

An? OK

Apparent Smp Type Wall System

Fibrous Solid

Homogeneous No

chrysotile asbestos

cellulose fiber

glass fiber

Pos Layer? No

Sub-Samples 12

Layers 4 Non-Fibrous Components (in approx. decreasing order): filler, binder,

- 1	Layers						Percents of	Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	3	off-white	1	n.d.	n.d.	n.d.	-	-	-
2	texture/joint compound	7	white	3	<=1%	n.d.	n.d.		-	-
3	paper/cardboard	15	tan	2	n.d.	90-100%	n.d.	-	-	
4	drywall core	75	white	3	n.d.	<=1%	<=1%	•	-	-
	Total %	100		Overall %	<=1%	10-20%	<=1%	-	-	-

Fiber Identification:

Color

W

W

CL

Mrph

F

D

chrysotile asbestos cellulose fiber

Pleo

N

N

Bi

Н

glass fiber

Elg

+

		R	efractive I	ndex Dete	rminatio	ns
	Ext	Oil	Col Par	Col Per	RI Par	RI Per
	Р	1.550	vb/g	sb/o	1.556	1.553
	U					
					1	
				T		
1				T		

Sample Analytical Note

Fibers

3

4 5

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid. Point Count: Layer Number 2; 0 asbestos counts per 400 total counts = Trace percent.

Iso

N

N

Υ

Job Number:

201105827

031.11.003

Analyzed By US

Sample SR-ACM-002b

Lab Number 2011-05827- 11

Sampled: 6/1/2011 Apparent Smp Type Wall System

11:28 Condition: acceptable Fibrous Solid

Homogeneous No

6/16/2011

Pos Layer? No

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): filler, binder,

Layers 3

Li	ayers			П			Percents of	Each Fiber		
#	Layer Type	0/0	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	3	off-white	1	n.d.	n.d.	•	-	-	-
2	paper/cardboard	7	tan	2	90-100%	n.d.		-	-	-
3	drywall core	90	white	3	>1-2%	<=1%	_	-	-	_
	Total %	100		Overall %	5-10%	<=1%	-		-	-

Fiber Identification:

An? OK

cellulose fiber glass fiber

	P10								R	efractive I	ndex Dete	rmination	15
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	cellulose fiber	W	F	N	N	н	+	U					
2	glass fiber	CL	D	Υ									
3													
4													
5													
6			1			_ = =				_			\Box

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample SR-ACM-003c

Lab Number 2011-05827- 12

Sampled: 6/1/2011

11:33

Condition: acceptable

Analyzed By US

6/16/2011

cellulose fiber

glass fiber

An? OK

Apparent Smp Type Wall System

Fibrous Solid

Homogeneous No

Layers 3

Pos Layer? No

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): filler, binder,

L	ayers					Percents of Each Fiber								
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6				
1	paint	20	off-white	1	n.d.	n.d.	-	-	<u> </u>	-				
2	paper/cardboard	65	tan	2	90-100%	n.d.	_	-	-	-				
3	drywall core	15	white	3	>1-2%	<=1%	-	-	-	-				
	Total %	100]	Overall %	60-70%	<=1%	-	_	-					

Fiber Identification:

Color

W

CL

Mrph

F

D

cellulose fiber glass fiber

Pleo

N

Bi

Н

Elg

Iso

N

Υ

	Refractive Index Determinations												
xt	Oil	Col Par	Col Per	RI Par	RI Per								
U													

Fibers

1

2

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Job Number:

201105827

031.11.003

Sample SR-ACM-004d

Lab Number 2011-05827- 13

Sampled: 6/1/2011 Apparent Smp Type Flooring

11:35 Condition: acceptable Non-fibrous Solid

Analyzed By US Homogeneous No 6/16/2011 # Layers 3

Pos Layer? Yes

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): filler, polymer,

	ayers			(Percents of Each Fiber									
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6				
1	floor tile	45	off-white	1	5-10%	n.d.		-	_	-				
2	mastic	5	yellow	2	n.d.	n.d.	_	-	-	-				
3	leveling compound	50	white	3	n.d.	>1-2%	-	-	-	-				
	Total %	100	1	Overall %	2-5%	<=1%	-	-	_	-				

Fiber Identification:

An? OK

chrysotile asbestos cellulose fiber

	-11								R	efractive I	ndex Dete	rminatio	ns
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	chrysotile asbestos	W	Α	N	N	L	+	Р	1.550	vb/g	sb/o	1.556	1.553
2	cellulose fiber	w	F	N	N	Н	+	U		_			
3											_		
4													
5													
6							· · · · · ·						

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent. Procedure: dissolution of matrix using dilute HCl acid.

Sample SR-ACM-005e

Lab Number 2011-05827- 14

Sampled: 6/1/2011

Condition: acceptable

Analyzed By US Homogeneous No 6/16/2011

An? OK **Apparent Smp Type** Flooring

Pos Layer? Yes

Non-fibrous Solid # Sub-Samples 8

11:37

Non-Fibrous Components (in approx. decreasing order): filler, polymer,

Layers 4

Layers					Percents of Each Fiber								
#	Layer Type	%	Color	Friability [Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6			
1	floor tile	30	off-white	1	5-10%	-	-	-	-				
2	mastic	2	yellow	2	n.d.	-	-	-	-	-			
3	floor tile	66	off-White	1	2-5%	-		-	-	-			
4	mastic	2	yellow	2	n.d.	-		-	-	-			
	Total %	100		Overall %	5-10%	-	-	-	-	T -			

Fiber Identification:

chrysotile asbestos

									R	efractive I	ndex Deter	minatio	ns
<u></u>	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	chrysotile asbestos	w	Α	N	N	L	+	Р	1.550	vb/g	sb/o	1.556	1.553
2												-	
3													
4													
5													
6													

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Phone: 602-276-6139

Job Number:

201105827

031.11.003

Sample SR-ACM-006f

Analyzed By US

Lab Number 2011-05827- 15 An? OK

Sampled: 6/1/2011 Apparent Smp Type Flooring

11:40 Condition: acceptable

Homogeneous No

6/16/2011

Non-fibrous Solid

Layers 3

Pos Layer? Yes

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): filler, polymer,

L	Layers										
#	Layer Type	%	Color	Friability							
1	floor tile	60	off-white	1							
2	mastic	10	yeilow	2							
3	leveling compound	30	off-white	3							
	Total %	100		Overall %							

Percents of Each Fiber Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 Fib 6 5-10% n.d. n.d. n.d. n.d. >1-2% 5-10% <=1%

Fiber Identification:

Color

W

W

Mrph

chrysotile asbestos cellulose fiber

Pleo

N

N

Bi

Н

Iso

N

N

	R	minations				
Ext	Oil	Col Par	Col Per	RI Par	RI Per	
P	1.550	vb/g	sb/o	1.556	1.553	
U						

Sample Analytical Note

Fibers

2

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent. Procedure: dissolution of matrix using dilute HCl acid.

Sample SR-ACM-007g

Lab Number 2011-05827- 16

Sampled: 6/1/2011

Elg

Condition: acceptable 11:42

Analyzed By US

6/16/2011

chrysotile asbestos

cellulose fiber

An? OK

Apparent Smp Type Ceiling System

Fibrous Solid

Homogeneous No

Layers 3

Pos Layer? No

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): filler, polymer foam, binder

La	yers			
#	Layer Type	%	Color	Friability
1	spray-on ceiling	60	white	3
2	paper/cardboard	25	tan	2
3	drywall core	15	white	3

Total % 100

Į				f Each Fiber		
[Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
] [n.d.		-	-	-	-
][90-100%	-	-	-	_	-
] [>1-2%	-	-	-	_	-
ا ه	20-30%	_	_	-		_

Fiber Identification:

Overall %

cel

	Г	Refractive Index Determinations

	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	cellulose fiber	W	F	N	N	H	+	U					
2		II											
3													
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of sprayed material using acid.

Job Number:

201105827

031.11.003

Sample SR-ACM-008h

6/16/2011

Lab Number 2011-05827- 17

Sampled: 6/1/2011 Apparent Smp Type Ceiling System

11:46 Condition: acceptable Fibrous Solid

Analyzed By US Homogeneous No

Layers 3

Pos Layer? No

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): filler, polymer foam, binder

L	ayers						Percents of	f Each Fiber		
#	Layer Type	°/o	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	spray-on ceiling	30	white	3	n.d.		-	-	-	-
2	paper/cardboard	60	tan	2	90-100%	-	-	-	-	-
3	drywall core	10	white	3	>1-2%	-	-	-	-	-
	Total %	100		Overall %	50-60%		-	-	-	-

Fiber Identification:

cellulose fiber

	m14								R	efractive I			
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	cellulose fiber	W	F	N	N	Н	+	U					
2							117						
3													
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of sprayed material using acid.

Sample SR-ACM-009i

Lab Number 2011-05827- 18

Sampled: 6/1/2011 11:48

Condition: acceptable Fibrous Solid

Analyzed By US

6/16/2011 An? OK Apparent Smp Type Ceiling System

Sub-Samples 6

Layers 3 Homogeneous No Pos Layer? No Non-Fibrous Components (in approx. decreasing order): filler, polymer foam, binder

	ayers			[Percents o	f Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	spray-on celling	60	white	3	n.d.	-	-	-	-	-
2	paper/cardboard	20	tan	2	90-100%	-	-	-	-	-
3	drywall core	20	white	3	>1-2%	-	-	-	-	-
	Total %	100		Overall %	10-20%	-	-		-	-

Fiber Identification:

Color

W

cellulose fiber

Mrph

F

Iso

N

Pleo

N

Bi

н

Elg

	R	efractive I	ndex Dete	rminatior	ıs
Ext	Oil	Col Par	Col Per	RI Par	RI Per
U					
_					

Sample Analytical Note

Fibers

cellulose fiber

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of sprayed material using acid.

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201105827

031.11.003

Sample ENT-ACM-001a Lab Number 2011-05827- 19 Sampled: 6/1/2011 12:05 Condition: acceptable Analyzed By US 6/16/2011 An? OK Apparent Smp Type Acoustical Tile Fibrous Mat Homogeneous No # Layers 2 Pos Layer? No # Sub-Samples 5 Non-Fibrous Components (in approx. decreasing order): filler, binder, Layers Percents of Each Fiber **Layer Type** Coior Friability Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 Fib 6 20 off-white paint n.d. acoustical tile 80 brown 90-100% Total % 100 Overall % 70-80% cellulose fiber Fiber Identification: **Refractive Index Determinations** Fibers Color Iso Pleo Bi Ext Mrph Elg Col Par Col Per RI Par RI Per cellulose fiber W N N U н 3 4 5 Sample Analytical Note Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Sample ENT-ACM-002b Lab Number 2011-05827- 20 Sampled: 6/1/2011 12:08 Condition: acceptable Analyzed By US 6/16/2011 An? OK Apparent Smp Type Acoustical Tile Fibrous Mat Homogeneous No # Layers 2 Pos Layer? No # Sub-Samples 5 Non-Fibrous Components (in approx. decreasing order): filler, binder, Layers Percents of Each Fiber **Layer Type** Color Friability Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 Fib 6 paint off-white n.d. acoustical tile 95 brown 90-100% 100 Total % Overall % 90-100% cellulose fiber Fiber Identification: Refractive Index Determinations Fibers Color Mrph Iso Pleo Bi Elg Ext Col Par | Col Per | RI Par | RI Per cellulose fiber W N N н U 2 3 4 5 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Sample ENT-ACM-003c Lab Number 2011-05827- 21 Sampled: 6/1/2011 12:10 Condition: acceptable Analyzed By US 6/16/2011 An? OK Apparent Smp Type Acoustical Tile Fibrous Mat Homogeneous Yes # Layers 1 Pos Layer? No # Sub-Samples 3 Non-Fibrous Components (in approx. decreasing order): filler, binder, Layers Percents of Each Fiber Layer Type % Color Friability Fib 1 Fib 2 Fib 4 Fib 5 Fib 3 Fib 6 acoustical tile 100 brown 90-100% 3 Total % 100 90-100% Overall % Fiber Identification: cellulose fiber **Refractive Index Determinations** Fibers Color Mrph Iso Pleo Bi Elg Ext Oil Col Par Col Per RI Par RI Per cellulose fiber W N N U 3 4 5 Sample Analytical Note Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Phone: 602-276-6139

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031.11.003

Sample ENT-ACM-004d Lab Number 2011-05827- 22

Sampled: 6/1/2011

12:14 Condition: acceptable

Analyzed By US 6/16/2011 Homogeneous No # Layers 2

An? OK

Apparent Smp Type Flooring Pos Layer? Yes

Non-fibrous Solid # Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): filler, polymer,

L	ayers						Percents of	Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	floor tile	95	gray	1	2-5%	>1-2%		-	-	-
2	mastic	5	brown	1	n.d.	2-5%		-	-	-
	Total %	100		Overall %	2-5%	2-5%	-	-	- 1	-

Fiber Identification:

chrysotile asbestos cellulose fiber

_	Ethous								R	efractive I	ndex Dete	rminatio	ns
<u></u>	Fibers	Color	Mrph	Iso	Pleo	Bi	Eig	Ext	OII	Col Par	Col Per	RI Par	RI Per
1	chrysotile asbestos	W	Α	N	N	L	+	P	1.550	vb/g	sb/o	1.556	1.553
2	cellulose fiber	W	F	N	N	н	+	U				T	
3													
4												1	
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample ENT-ACM-005e

Lab Number 2011-05827- 23

Sampled: 6/1/2011

12:18 Condition: acceptable

Analyzed By US Homogeneous No 6/16/2011

An? OK # Layers 2

Apparent Smp Type Flooring Pos Layer? Yes

Non-fibrous Solid # Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): filler, polymer,

Lay	yers			L				Each Fiber		
#	Layer Type	9/0	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	floor tile	90	gray	1	2-5%	>1-2%	-	-	-	- N-
2	mastic	10	brown	1	n.d.	2-5%	-		-	-
	Total %	100		Overall %	2-5%	2-5%	-	-	-	-

Fiber Identification:

chrysotile asbestos cellulose fiber

	#21								R	efractive I	ndex Deter	minatio	ns
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	chrysotile asbestos	W	Α	N	N	L	+	Р	1.550	vb/g	sb/o	1.556	1.553
2	cellulose fiber	W	F	N	N	Н	+	U					
3													
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample ENT-ACM-006f

Lab Number 2011-05827- 24

Sampled: 6/1/2011

12:21

Condition: acceptable

Analyzed By US Homogeneous No

6/16/2011

An? OK

Apparent Smp Type Flooring Pos Layer? Yes

Non-fibrous Solid # Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): filler, polymer,

Layers 2

La	yers						Percents of	Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	floor tile	60	gray	1	2-5%	>1-2%	-	-	-	-
2	miscellaneous	40	gray	2	n.d.	>1-2%	-		-	-
	Total %	100		Overall %	>1-2%	>1-2%	-	-	-	-

Fiber Identification:

chrysotile asbestos cellulose fiber

	eth								R	efractive I	ndex Dete	minatio	ns
<u></u>	Fibers	Color	Mrph	Iso	Pieo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	chrysotile asbestos	W	Α	N	N	L	+	P	1.550	vb/g	sb/o	1.556	1.553
2	cellulose fiber	W	F	N	N	Н	+	U					
3													
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

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201105827

031.11.003

Sample BRF-ACM-001a Analyzed By US

6/16/2011

Lab Number 2011-05827- 25 An? OK **Apparent Smp Type** Miscellaneous

Sampled: 6/1/2011

12:25 Condition: acceptable Rubbery

Homogeneous No

Layers 2

Pos Layer? No

Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): filler, binder,

L	ayers						Percents of	Each Fiber		
#	Layer Type	9/0	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	base cove	97	gray	1	n.d.		-	-	-	_
2	mastic	3	off-white	1	<=1%		•	-	-	-
	Total %	100]	Overall %	<=1%	-	-	-	-	-

Fiber Identification:

cellulose fiber

	-4								R	efractive I	ndex Deter	mination	s
<u></u>	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	cellulose fiber	W	F	N	N	Н	+	U					
2													
3													
4	· · · · · · · · · · · · · · · · · · ·												
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample BRF-ACM-002b

Lab Number 2011-05827- 26

Sampled: 6/1/2011 12:26

Condition: acceptable

Analyzed By US

6/16/2011

An? OK

Apparent Smp Type Miscellaneous

Rubbery

Homogeneous No

Layers 2

Pos Layer? No

Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): filler, binder,

La	yers						Percents of	Each Fiber		
#	Layer Type	o/o	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	base cove	95	gray	1	n.d.	-	-	-	-	-
2	mastic	5	off-white	1	<=1%	-	-	-	-	-
	Total %	100		Overall %	<=1%		-	-		-

Fiber Identification:

cellulose fiber

									R	efractive I	ndex Deter	minatior	15
<u> </u>	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	cellulose fiber	W	F	N	N	Н	+	U					
2													
3													
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Job Number:

201105827

031.11.003

Sample BRF-ACM-003c

Lab Number 2011-05827- 27

Sampled: 6/1/2011 Apparent Smp Type Miscellaneous

12:28 Condition: acceptable

Analyzed By US Homogeneous No 6/16/2011

Pos Layer? No

Rubbery

Non-Fibrous Components (in approx. decreasing order): filler, binder,

Layers 2

An? OK

#	Sub-Sample	es 5

Lo	yers						~	Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	base cove	98	gray	1	n.d.	_	-	-	-	-
2	mastic	2	off-white	1	<=1%				-	-
	Total %	100		Overall %	<=1%	-			•	-

Fiber Identification:

cellulose fiber

									R	efractive I			
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	cellulose fiber	W	F	N	N	Н	+	U					
2													
3													
4													
5					_								
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample BRF-ACM-004d

Lab Number 2011-05827- 28

Sampled: 6/1/2011

Condition: acceptable

Analyzed By US

6/16/2011

An? OK

Apparent Smp Type Wall System

Fibrous Solid

Homogeneous No

Layers 4

Pos Layer? No

Sub-Samples 12

Non-Fibrous Components (in approx. decreasing order): filler, binder,

	Layers						Percents o	f Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	15	off-white	1	n.d.	-	-	-	-	-
2	texture/joint compound	25	white	3	n.d.	-	-	-	-	-
3	paint	25	off-white	1	n.d.	- V	- II	-	-	-
4	texture/joint compound	35	off-white	3	<=1%	-			-	-
	Total %	100	П	Overali %	<=1%	-	-	-		-

Fiber Identification:

chrysotile asbestos

									R	efractive I	ndex Dete	minatio	ns
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	chrysotile asbestos	W	Α	N	N	L	+	Р	1.550	vb/g	sb/o	1.556	1.553
2													
3													
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid. Point Count: Layer Number 4; 0 asbestos counts per 400 total counts = Trace percent.

Job Number:

201105827

031.11.003

Sample BRF-ACM-005e Analyzed By US

Lab Number 2011-05827-29

Sampled: 6/1/2011 Apparent Smp Type Wall System

12:32 Condition: acceptable Fibrous Solid

Homogeneous No

6/16/2011

An? OK # Layers 6

Pos Layer? No

Sub-Samples 12

Non-Fibrous Components (in approx. decreasing order): filler, binder,

	Layers				-		Percents of	Each Fiber		0.0
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	10	off-white	1	n.d.	-	- 1	-		-
2	texture/joint compound	40	white	3	n.d.		-	-	-	-
3	paint	10	off-white	1	n.d.	•	-	-	-	-
4	texture/joint compound	10	white	3	n.d.	-	-	-	-	-
5	paper/cardboard	20	off-white	2	90-100%	-	-	- "	-	-
6	texture/joint compound	10	white	3	n.d.		-	-	-	-
	Total %	100]	Overall %	10-20%	-	- 1	-		

Fiber Identification:

cellulose fiber

	Pik								R	efractive I	ndex Detei	mination	ıs
<u></u>	Fibers	Color	Mrph	Iso	Pleo	В	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	cellulose fiber	W	F	N	N	Н	+	U					
2													
3													
4		_											
5													
6												-	

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

Sample BRF-ACM-006f

Lab Number 2011-05827- 30

Sampled: 6/1/2011

Condition: acceptable

Analyzed By US Homogeneous No 6/16/2011

glass fiber

An? OK

Layers 3

Apparent Smp Type Wall System Pos Layer? No

Fibrous Solid # Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): filler, binder,

L	ayers						Percents of	FEach Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	15	off-white	1	n.d.	•	/ -	-	-	-
2	texture/joint compound	80	white	3	n.d.	-	-	-	-	-
3	fabric	5	yellow	2	90-100%	-		-	•	_
	Total %	100		Overall %	2-5%	-	-	-		-

Fiber Identification:

Color

CL

Mrph

D

glass fiber

Iso

Pleo

Bi

Elg

	Refractive Index Determinations												
Ext	Oil	Col Par	Coi Per	RI Par	RI Per								
\neg													

Sample Analytical Note

Fibers

3 5 6

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid.

Job Number:

none

201105827

031.11.003

Sample BRF-ACM-007g

Analyzed By US 6/16/2011 Lab Number 2011-05827-31

Sampled: 6/1/2011 **Apparent Smp Type** Flooring

12:37 Condition: acceptable Non-fibrous Solid

Homogeneous No

An? OK # Layers 2

Pos Layer? No

Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): filler, binder,

La	yers			
#	Layer Type	%	Color	Friability
1	floor tile	95	gray	1
2	mastic	5	yellow	1
	Total %	100		Overalt %

Percents of Each Fiber Fib 1 Fib 2 Fib 5 Fib 3 Fib 4 Fib 6 n.d. n.d. n.d.

Fiber Identification:

							Refractive Index Determinations						
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	none												
2													
3													
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample BRF-ACM-008h

Lab Number 2011-05827-32

Sampled: 6/1/2011

Fib 2

12:38 Condition: acceptable

Fib 5

Fib 6

Analyzed By US Homogeneous No

6/16/2011

An? OK # Layers 3

Apparent Smp Type Flooring Pos Layer? No

Non-fibrous Solid # Sub-Samples 6

Fib 4

Percents of Each Fiber

Non-Fibrous Components (in approx. decreasing order): filler, binder,

La	yers			
#	Layer Type	9/p	Color	Friability
1	floor tile	90	gray	1
2	mastic	3	yellow	1
3	wood	7	brown	2
	Total %	100		Overall %

n.d. 90-100% Overall % 5-10%

Fib 3

Fiber Identification:

cellulose fiber

Fib 1

n.d.

m15									SHOCHAG T	IIGEX DELEI	mination	15
Fibers	Color	Mrph	Iso	Pleo	Bi	Eig	Ext	Oil	Col Par	Col Per	RI Par	RI Per
cellulose fiber	W	F	N	N	Н	+	U					
	cellulose fiber	Color	cellulose fiber W F	cellulose fiber W F N	cellulose fiber W F N N	Cellulose fiber W F N N H	cellulose fiber W F N N H +	cellulose fiber W F N N H + U	Color Mrph Iso Pleo Bi Eig Ext Oil	Fibers Color Mrph Iso Pleo Bi Elg Ext Oil Col Par cellulose fiber W F N N H + U	Color Mrph Iso Pleo Bi Eig Ext Oil Col Par Col Per	cellulose fiber W F N N H + U Col Par Col Per R1 Par

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Job Number:

201105827

031.11.003

Sample BRF-ACM-009i

Lab Number 2011-05827-33

Sampled: 6/1/2011

Condition: acceptable

Analyzed By US

6/16/2011

Apparent Smp Type Flooring

Non-fibrous Solid

Homogeneous No

Layers 2

An? OK

Pos Layer? No

Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): filler, binder,

L	Layers Percents of Each Fiber							Each Fiber		n
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	floor tile	98	gray	1	n.d.	-	-	-	-	-
2	mastic	2	yellow	1	n.d.	-	-	-	- "	-
	Total %	100		Overall %	n.d.	-	-		-	-

Fiber Identification:

none

									Refractive Index Determination					
	Fibers	Color	Mrph	Iso	Pieo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per	
1	none													
2														
3														
4														
5														
6														

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample BRF-ACM-010j

Lab Number 2011-05827- 34

Sampled: 6/1/2011

Bi

Elg

12:42 Condition: acceptable

Analyzed By US Homogeneous No

Fibers

6/16/2011

none

An? OK

Apparent Smp Type Flooring Pos Layer? No

Non-fibrous Solid # Sub-Samples 6

Layers 3 Non-Fibrous Components (in approx. decreasing order): filler, binder,

L	ayers				Percents of Each Fiber						
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6	
1	floor tile	92	white	1	n.d.		-	-	-	-	
2	mastic	5	yellow	1	n.d.	-	-	-	-	-	
3	leveling compound	3	white	3	n.d.	-		-	-	-	
	Total %	100		Overall %	n.d.	-	-	-	-	-	

Mrph Iso Pleo

Fiber Identification:

Color

none

	Refractive Index Determinations													
Ext	Oil	Col Par	Col Per	RI Par	RI Per									
]														
		1												

5 Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

5025 S. 33rd Street

85040-2816 Phoenix, Arizona

Phone: 602-276-6139

1-800-743-2687

FAX: 602-276-4558

PLM Analysis Details

Sample | BRF-ACM-011k

Analyzed By US

Homogeneous No

Layers

Fibers

Sample Analytical Note

Analyzed By US

Homogeneous No

Layers

Fibers

Sample Analytical Note

Sample BRF-ACM-012

Layer Type

floor tile

mastic

Total %

none

Layer Type

floor tile

mastic

Total %

none

6/16/2011

99

1

100

6/16/2011

%

95

5

100

Job Number:

Apparent Smp Type Flooring

Pos Layer? No

Fib 1

n.d.

n.d.

n.d.

Iso

Mrph

Lab Number 2011-05827- 36

Pleo

Apparent Smp Type Flooring

Pos Layer? No

Fib 1

n.d.

n.d.

n.d.

Iso

Pleo

none

Mrph

Lab Number 2011-05827- 35

Friability

Overall %

Color

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Friability

Overali %

Color

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Fiber Identification:

An? OK

Layers 2

Color

white

yellow

Non-Fibrous Components (in approx. decreasing order): filler, binder,

Fiber Identification:

An? OK

Layers 2

Color

white

yellow

Non-Fibrous Components (in approx. decreasing order): filler, binder,

201105827

Fib 2

Bi

Fib 2

Bi

Elg

Elg

Sampled: 6/1/2011

Sampled: 6/1/2011

031.11.003

Sub-Samples 5

Percents of Each Fiber

Fib 3

Ext

12:45

Fib 4

12:47

Fib 4

Sub-Samples 5

Oil

Percents of Each Fiber

Fib 3

Ext

Non-fibrous Solid

Fib 5

Refractive Index Determinations

Non-fibrous Solid

Fib 5

Refractive Index Determinations

Col Par | Col Per | RI Par | RI Per

Col Par Col Per RI Par RI Per

Condition: acceptable

Fib 6

Condition: acceptable

Fib 6

Phoenix, Arizona 85040-2816

Phone: 602-276-6139

1-800-743-2687

FAX: 602-276-4558

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201105827

031.11.003

Sample TR-ACM-001a Analyzed By US

Lab Number 2011-05827-37

Sampled: 6/1/2011 Apparent Smp Type Wall System

12:51 Condition: acceptable

Homogeneous No

6/16/2011

An? OK # Layers 5

Pos Layer? No

Fibrous Solid # Sub-Samples 14

Non-Fibrous Components (in approx. decreasing order): powder, binder,

	Layers			
#	Layer Type	º/o	Color	Friability
1	paint	10	off-white	1
2	texture/joint compound	50	white	3
3	paper/cardboard	15	off-white	2
4	texture/joint compound	5	white	3
5	paper/cardboard	20	tan	2
	Total %	100		Overall %

Percents of Each Fiber Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 Fib 6 n.d. n.d. <=1% n.d. n.d. 90-100% <=1% n.d. n.d. 90-100% <=1% 30-40%

Fiber Identification:

chrysotile asbestos cellulose fiber

									R	efractive I	ndex Deter	minatio	าร
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	chrysotile asbestos	W	A	N ·	N	L	+	Р	1.550	vb/g	sb/o	1.556	1.553
2	cellulose fiber	W	F	N	N	Н	+	U					
3													
4													
5													
6		_											

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid. Note: the texture/joint compound layers were identical in appearance and asbestos content. One point count was used to quantify them. Point Count: Layer Number 2,4; 0 asbestos counts per 400 total counts = Trace percent.

Sample TR-ACM-002b

Lab Number 2011-05827-38

Sampled: 6/1/2011

Fib 2

Bi

Н

Elg

12:53

Fib 4

Condition: acceptable

Fib 6

Analyzed By US Homogeneous No 6/16/2011

An? OK # Layers 3

Apparent Smp Type Wall System Pos Layer? No

Fib 1

Fibrous Solid # Sub-Samples 6

Percents of Each Fiber

Non-Fibrous Components (in approx. decreasing order): filler, binder,

L	ayers			
#	Layer Type	%	Color	Friability
1	paint	15	off-white	1
2	paper/cardboard	50	tan	2
3	drywall core	35	white	3
	Total %	100		Overall %

cellulose fiber

glass fiber

n.d. n.d. 90-100% n.d. <=1% <=1% Overall % 40-50% <=1%

Fib 3

Fiber Identification:

Color

W

CL.

Mrph

D

cellulose fiber glass fiber

Pleo

N

Iso

N

Υ

	Refractive Index Determinations												
Ext	Oil	Col Par	Col Per	RI Par	RI Per								
U													
ŀ					_								

Fib 5

Sample Analytical Note

Fibers

1

3 4 5

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Job Number:

201105827

031.11.003

Sample TR-ACM-003c

Lab Number 2011-05827-39

Sampled: 6/1/2011

12:56 Condition: acceptable

Analyzed By US

6/16/2011

Apparent Smp Type Wall System

Fibrous Solid

Homogeneous No

An? OK # Layers 3

Pos Layer? No

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): filler, binder,

	ayers						Percents of	Each Fiber		
#	Layer Type	9/0	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	15	off-white	1	n.d.	n.d.	•	-	-	-
2	paper/cardboard	40	tan	2	90-100%	n.d.	-	-	-	-
3	drywall core	45	white	3	<=1%	<=1%	-	-	-	-
	Total %	100		Overall %	30-40%	<=1%		-	-	-

Fiber Identification:

cellulose fiber glass fiber

									R	efractive I	ndex Dete	mination	rs
<u></u>	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	cellulose fiber	W	F	N	N	Н	+	U					
2	glass fiber	CL	D	Υ									
3													
4													
5													
6				_				\Box					

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample TR-ACM-004d

Lab Number 2011-05827- 40

Sampled: 6/1/2011

12:59 Condition: acceptable

Analyzed By US

6/16/2011

none

An? OK

Apparent Smp Type Flooring

Non-fibrous Solid

Homogeneous No

Layers 3

Pos Layer? No

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): filler, binder,

L	ayers						Percents of	Each Fiber		
#	Layer Type	9/0	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	floor tile	85	gray	1	n.d.	-	-		-	-
2	mastic	3	yellow	2	n.d.	-	-	-	-	-
3	leveling compound	12	off-white	3	n.d.	-	-	-	-	-
	Total %	100		Overall %	n.d.	-	-	-	-	-

Pleo

Bi

Elg

Fiber Identification:

Color

none

Mrph Iso

	Refractive Index Determinations													
Ext	Oil	Col Par	Col Per	RI Par	RI Per									
		ļ												
		 		 										
				 										

Sample Analytical Note

Fibers

1

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

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Sample TR-ACM-005e Lab Number 2011-05827-41 Sampled: 6/1/2011 13:01 Condition: acceptable 6/16/2011 Analyzed By US An? OK Non-fibrous Solid Apparent Smp Type Flooring Homogeneous Yes # Layers 1 Pos Layer? No # Sub-Samples 3 Non-Fibrous Components (in approx. decreasing order): filler, binder, Layers Percents of Each Fiber Layer Type Friability º/o Color Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 Fib 6 floor tile 100 gray n.d. Total % 100 Overall % n.d. none Fiber Identification: **Refractive Index Determinations** Fibers Color Mrph Iso Pleo Bi Ela Ext Oil Col Par Col Per RI Par RI Per none 2 3 4 5 6 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Sample TR-ACM-006f Lab Number 2011-05827-42 Sampled: 6/1/2011 13:02 Condition: acceptable Analyzed By US 6/16/2011 Apparent Smp Type Flooring Non-fibrous Solid Homogeneous No # Layers 3 Pos Layer? No # Sub-Samples 6 Non-Fibrous Components (in approx. decreasing order): filler, binder, Layers Percents of Each Fiber Layer Type Color Friability Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 Fib 6 floor tile 90 n.d. gray n.d. mastic 7 yellow 2-5% <=1% debris 3 20-30% gray n.d. Total % 100 Overall % >1-2% <=1% Fiber Identification: synthetic fiber (extr hair Refractive Index Determinations Fibers Color Mrph Iso Oil Col Par | Col Per | RI Par | RI Per Pieo Bi Elg Ext synthetic fiber (extruded) W F N N н Р 2 BR Е N 3 4 5 6 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Sample TR-ACM-007g Lab Number 2011-05827-43 Sampled: 6/1/2011 13:03 Condition: acceptable Analyzed By US 6/16/2011 An? OK Apparent Smp Type Acoustical Tile Fibrous Mat Homogeneous No # Layers 2 Pos Layer? No # Sub-Samples 5 Non-Fibrous Components (in approx. decreasing order): filler, binder, Percents of Each Fiber Friability Fib 1 Fib 2 # Layer Type % Color Fib 3 Fib 4 Fib 5 Fib 6 paint off-white n.d. acoustical tile 95 90-100% brown Total % 100 90-100% Overall % Fiber Identification: cellulose fiber Refractive Index Determinations Fibers Color Pleo Col Par Col Per RI Par RI Per Mrph Iso Bi Elg Ext cellulose fiber W N N Н U 2 3 4 5 6 Sample Analytical Note Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

5025 S. 33rd Street

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031.11.003

Sample TR-ACM-008h Lab Number 2011-05827-44 Sampled: 6/1/2011 13:04 Condition: acceptable Analyzed By US 6/16/2011 An? OK Apparent Smp Type Acoustical Tile Fibrous Mat Homogeneous No # Layers 2 Pos Layer? No # Sub-Samples 5 Non-Fibrous Components (in approx. decreasing order): filler, binder, Layers Percents of Each Fiber **Layer Type** % Color Friability Fib 5 Fib 1 Fib 2 Fib 3 Fib 4 Fib 6 off-white paint n.d. acoustical tile 95 brown 90-100% 100 Overall % 90-100% Fiber Identification: Refractive Index Determinations Fibers Color Col Par | Col Per | RI Par | RI Per Pleo Bi Elg Mrph Iso Ext cellulose fiber W N N H U 3 4 6 Sample Analytical Note Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid. Sample TR-ACM-009i Lab Number 2011-05827- 45 Sampled: 6/1/2011 13:05 Condition: acceptable Analyzed By US 6/16/2011 An? OK Apparent Smp Type Acoustical Tile Fibrous Mat Homogeneous No # Layers 2 Pos Layer? No # Sub-Samples 5 Non-Fibrous Components (in approx. decreasing order): filler, binder, Layers Percents of Each Fiber Layer Type Color Friability Fib 1 Fib 2 Fib 6 FIb 3 Fib 4 Fib 5 10 off-white paint n.d. acoustical tile 90 brown 90-100% Total % 100 Overall % 80-90% Fiber Identification: cellulose fiber Refractive Index Determinations Fibers Color Pleo Col Par Col Per RI Par RI Per Mrph Iso Bi Elg Ext 1 cellulose fiber W N N Н U 2 3 4 5 6 Sample Analytical Note Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid. Sample KT-ACM-001a Lab Number 2011-05827-46 Sampled: 6/1/2011 13:10 Condition: acceptable Analyzed By US 6/16/2011 An? OK **Apparent Smp Type** Flooring Non-fibrous Solid Homogeneous No # Layers 2 Pos Layer? No # Sub-Samples 5 Non-Fibrous Components (in approx. decreasing order): filler, binder, Percents of Each Fiber **Layer Type** Color Friability Fib 1 Fib 2 Fib 6 Fib 3 Fib 4 Fib 5 floor tile 90 white n.d. mastic 10 black 10-20% Total % 100 Overall % >1-2% Fiber Identification: cellulose fiber **Refractive Index Determinations** Fibers Color Mrph Iso Pleo Bi Elg Col Par Col Per RI Par RI Per Ext cellulose fiber W N N Н U 2 3 4 5 6 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

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Job Number:

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Sample KT-ACM-002b

Lab Number 2011-05827-47

Sampled: 6/1/2011

13:12 Condition: acceptable

Analyzed By US

6/16/2011

An? OK

Apparent Smp Type Flooring

Non-fibrous Solid

Homogeneous No

Layers 3

Pos Layer? No

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): filler, binder,

	ayers						Percents o	f Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	floor tile	85	white	1	n.d.	-	-	-	-	11-
2	mastic	5	black	1	10-20%	-	-	-	-	-
3	leveling compound	10	off-white	3	2-5%	•	-	-	-	-
	Total %	100		Overall %	>1-2%	•	-	-	-	-

Fiber Identification:

cellulose fiber

									R	efractive I	ndex Dete	rminatior	IS
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	cellulose fiber	W	F	N	N	Н	+	U		F			
2		. A											
3													
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample KT-ACM-003c

Lab Number 2011-05827-48

Sampled: 6/1/2011 13:14 Condition: acceptable

Analyzed By US

6/16/2011

cellulose fiber

An? OK

Apparent Smp Type Flooring

Non-fibrous Solid

Homogeneous No

Layers 2

Pos Layer? No

Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): filler, binder,

L	ayers			[Percents of	Each Fiber	•	
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	floor tile	80	white	1	n.d.	-	-	-	-	-
2	bitumen-paper	20	black	1	70-80%	-	-	-	-	-
	Total %	100		Overall % [10-20%	-		-	-	-

Pleo

N

Bi

Elg

Fiber Identification:

Color

W

cellulose fiber

Iso

N

Mrph

[Refractive Index Determinations											
П	Oil	Col Par	Col Per	RI Par	RI Per							
٦٢												
71												
71		-										
71												
-11												

Sample Analytical Note

5

Fibers

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

201105827

031.11.003

Sample KT-ACM-004d Lab Number 2011-05827-49 Sampled: 6/1/2011 13:17 Condition: acceptable Analyzed By US 6/16/2011 An? OK Apparent Smp Type Acoustical Tile Fibrous Mat Homogeneous No # Lavers 2 Pos Layer? No # Sub-Samples 5 Non-Fibrous Components (in approx. decreasing order): filler, binder, Layers Percents of Each Fiber Layer Type Color Friability Fib 1 Fib 2 Fib 5 Fib 4 Fib 6 4 off-white n.d. paint acoustical tile 96 brown 90-100% 100 90-100% Total % Overall % Fiber Identification: cellulose fiber **Refractive Index Determinations** Fibers Color Mrph Iso Pleo Bi Elg Ext Col Par | Col Per | RI Par | RI Per cellulose fiber W N N н U 3 4 5 Sample Analytical Note Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Sample KT-ACM-005e Lab Number 2011-05827-50 Sampled: 6/1/2011 13:16 Condition: acceptable 6/16/2011 Analyzed By US An? OK Apparent Smp Type Acoustical Tile Fibrous Mat Homogeneous No # Layers 2 Pos Laver? No # Sub-Samples 5 Non-Fibrous Components (in approx. decreasing order): filler, binder, Percents of Each Fiber # Color Friability Layer Type % Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 Fib 6 4 off-white paint n.d. acoustical tile 96 90-100% brown 100 Overall % 90-100% Total % Fiber Identification: cellulose fiber **Refractive Index Determinations** Fibers Color Mrph Iso Pleo Bi Elg Ext Col Par Col Per RI Par RI Per cellulose fiber W N N н U 3 4 5 Sample Analytical Note Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Sample KT-ACM-006f Lab Number 2011-05827-51 Sampled: 6/1/2011 13:18 Condition: acceptable Analyzed By US 6/16/2011 An? OK Apparent Smp Type Acoustical Tile Fibrous Mat Homogeneous No # Lavers 2 Pos Layer? No # Sub-Samples 5 Non-Fibrous Components (in approx. decreasing order): filler, binder, Layers Percents of Each Fiber # **Layer Type** 0/0 Color Friability Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 Fib 6 10 off-white paint n.d. acoustical tile 90 brown 90-100% Total % 100 Overall % 80-90% Fiber Identification: cellulose fiber Refractive Index Determinations Fibers Color Mrph Iso Pleo Bi Elg Ext Col Par Col Per RI Par RI Per celiulose fiber W N N U н 3 4 5 6 Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

5025 S. 33rd Street

Analyzed By US

Homogeneous No

Job Number:

Lab Number 2011-05827-52

201105827

Sampled: 6/1/2011

031.11.003

Sample KT-ACM-008h

Non-Fibrous Components (in approx. decreasing order): filler, binder, Friability

An? OK

Layers 2

Apparent Smp Type Wall System Pos Layer? No

13:23 Non-fibrous Solid

Sub-Samples 6

Layers Percents of Each Fiber **Layer Type** % Color Fib 5 Fib 1 Fib 2 Fib 3 Fib 4 Fib 6 paint 15 off-white n.d. texture/joint compound 85 off-white <=1% Total % 100 Overall % <=1%

Fiber Identification: chrysotile asbestos

	mile and								R	efractive I	ndex Detei	minatio	ns
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	chrysotile asbestos	W	Α	N	N	L	+	Р	1.550	vb/g	sb/o	1.556	1.553
2													
3													
4													
5													
6													
								·					

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid. Point Count: Layer Number 2; 0 asbestos counts per 400 total counts = Trace percent.

Lab Number 2011-05827-53

Sampled: 6/1/2011

Condition: acceptable

Condition: acceptable

Analyzed By US

6/16/2011

chrysotile asbestos

6/16/2011

Apparent Smp Type Wall System

Non-fibrous Solid

13:26

Homogeneous No

Layers 2

An? OK

Pos Layer? No

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): filler, binder,

	Layers						Percents o	Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	15	off-white	1	n.d.	-		-	-	-
2	texture/joint compound	85	off-white	3	<=1%	-	-		-	-
	Total %	100	1	Overall %	<=1%				-	1 -

Fiber Identification:

Color

W

chrysotile asbestos Iso

N

Mrph

Pleo

N

Bi

Ela

	R	Refractive Index Determinations												
Ext	Oil	Col Par	Col Per	RI Par	RI Per									
Р	1.550	vb/g	sb/o	1.556	1.553									
					-									
					 									

Fibers

3 4 5

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid. Point Count: Layer Number 2; 0 asbestos counts per 400 total counts = Trace percent.

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Job Number:

201105827

031.11.003

Sample KT-ACM-009i

Lab Number 2011-05827- 54

Sampled: 6/1/2011

13:30 Condition: acceptable

Analyzed By US

6/16/2011

Apparent Smp Type Wall System

Fibrous Solid

Homogeneous No

Layers 3

Pos Layer? No

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): filler, binder,

Li	ayers						Percents or	f Each Fiber		
#	Layer Type	º/o	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	20	off-white	1	n.d.	n.d.	-	-	-	-
2	paper/cardboard	60	tan	2	90-100%	n.d.	_	-	-	-
3	drywali core	20	white	3	<=1%	<=1%	-	-	- 1	-
	Total %	100		Overall %	50-60%	<=1%	-	1-	-	-

Fiber Identification:

An? OK

cellulose fiber glass fiber

	Fibers Color Mark Liver Piles Color									Refractive Index Determination				
	ribers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Coi Par	Col Per	RI Par	RI Per	
1	cellulose fiber	W	F	N	N	Н	+	U				-		
2	glass fiber	CL	D	Υ										
3														
4														
5														
6														

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample KT-ACM-010j

Lab Number 2011-05827- 55

Sampled: 6/1/2011

13:33 Condition: acceptable

Analyzed By US

6/16/2011

An? OK

Apparent Smp Type Miscellaneous

Rubbery

Homogeneous No

Layers 2

Pos Layer? No

Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): polymer, binder,

L	ayers		[Percents of	f Each Fiber			
#	Layer Type	9/0	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	base cove	94	black	1	n.d.	_	-	-	-	
2 -	mastic	6	brown	1	2-5%			_	-	-
	Total %	100		Overall %	<=1%	-		-	-	-

Fiber Identification:

wollastonite

 Г	Refractive	Index	Determi	nations

Cibasa										enacuve 1	idex Deter	minauor	18
Fibers		Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Coi Par	Col Per	RI Par	RI Per
	wollastonite	W	G	N	N	М	В	Р					
										l			1
		<u> </u>	wollastonite W	wollastonite W G	wollastonite W G N	wollastonite W G N N	wollastonite W G N N M	wollastonite W G N N M B	wollastonite W G N N M B P	Fibers Color Mrph Iso Pleo Bi Etg Ext Oil wollastonite W G N N M B P Iso Pleo Bi Etg Ext Oil N N M B P	Fibers Color Mrph Iso Pleo Bi Elg Ext Oil Col Par wollastonite W G N N M B P W G N N N M B P W G N N N M B P	Fibers Color Mrph Iso Pleo Bi Elg Ext Oil Col Par Col Per wollastonite W G N N M B P	wollastonite W G N N M B P Col Par Col Per RI Par

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

201105827

031.11.003

Lab Number 2011-05827-56

Sampled: 6/1/2011 Apparent Smp Type Miscellaneous

13:37 Condition: acceptable Rubbery

Analyzed By US 6/16/2011 An? OK Homogeneous No # Layers 2

Pos Layer? No

Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): polymer, binder,

La	yers			-			Percents of	Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	base cove	98	black	1	n.d.	-		-	-	-
2	mastic	2	off-white	1	>1-2%	-	-	-	-	-
	Total %	100		Overall %	<=1%	-	<u> </u>	- =	-	<u> </u>

Fiber Identification:

cellulose fiber

	ett.								Refractive Index Determinations				
<u></u>	Fibers	Color	Mrph	Iso	Pieo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	cellulose fiber	W	F	N	N	н	+	U	The state of the s			11	
2													
3													
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample KT-ACM-012I

Lab Number 2011-05827-57

Sampled: 6/1/2011

13:40 Condition: acceptable

Analyzed By US

6/16/2011

cellulose fiber

woliastonite

An? OK

Apparent Smp Type Miscellaneous

Rubbery

Homogeneous No

Layers 3

Pos Layer? No

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): polymer, binder,

La	iyers			[Percents o	f Each Fiber		
#	Layer Type	9/ _D	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	base cove	85	black	1	n.d.	n.d.	-	-	-	-
2	mastic	3	off-white	1	>1-2%	n.d.	-	-	-	-
3	mastic	12	brown	1	<=1%	2-5%	-	-	-	-
	Total %	100		Overall %	<=1%	<=1%	-	-	<u> </u>	-

Fiber Identification:

Color

W

w

Mrph

G

cellulose fiber wollastonite

Iso

N

N

				Refractive Index Determinations									
Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per					
N	Н	+	υ										
N	М	В	Р										

Fibers

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Analyzed By US

Job Number:

201105827

031.11.003

Lab Number 2011-05827- 58

Sampled: 6/1/2011

13:50 Condition: acceptable

Apparent Smp Type Flooring

Non-fibrous Solid

Homogeneous No # Layers 2

Pos Layer? No

Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): filler, polymer,

Lay	yers			
#	Layer Type	%	Color	Friability
1	floor tile	97	gray	1
2	mastic	3	yellow	1
	Total %	100		Overall

6/16/2011

Fiber Identification:

An? OK

cellulose fiber

			R	efractive I	ndex Dete	rmination	15						
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	OII	Col Par	Col Per	RI Par	RI Per
1	cellulose fiber	W	F	N	N.	Н	+	U					
2													
3												_	
4							ì						
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample MR-ACM-002b

Lab Number 2011-05827- 59

Sampled: 6/1/2011

13:51 Condition: acceptable

Analyzed By US Homogeneous No 6/16/2011

cellulose fiber

An? OK # Layers 4

Apparent Smp Type Flooring
Pos Layer? No

Non-fibrous Solid **# Sub-Samples** 8

Non-Fibrous Components (in approx. decreasing order): filler, polymer,

L	Layers						Percents o	f Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	floor tile	87	gray	1	n.d.	•	-		-	-
2	mastic	3	yellow	1	<=1%	-	-	-	-	-
3	leveling compound	5	off-white	3	>1-2%	-	-		-	-
4	wood	5	brown	2	90-100%	-	-	-		-
	Total %	100		Overall %	2-5%		T -		-	-

Fiber Identification:

Color

W

cellulose fiber

Iso

N

Pleo

N

Bi

Н

Elg

Mrph

	R	Refractive Index Determinations												
xt	Oil	Col Par	Col Per	RI Par	RI Per									
J														
\neg														
				-										

Sample Analytical Note

Fibers

3 4 5

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Job Number:

201105827

031.11.003

Homogeneous No

Sample MR-ACM-003c 6/16/2011

Lab Number 2011-05827- 60 An? OK

Sampled: 6/1/2011 **Apparent Smp Type** Flooring

13:52 Condition: acceptable Non-fibrous Solid

Analyzed By US

Layers 4

Pos Layer? No

Non-Fibrous Components (in approx. decreasing order): filler, polymer,

Sub-Samples 8

1	ayers				Percents of Each Fiber									
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6				
1	floor tile	87	gray	1	n.d.	-	-	-		-				
2	mastic	3	yeliow	1	<=1%	-	-		-	-				
3	leveling compound	5	off-white	3	>1-2%	-	-	-	-	-				
4	wood	5	brown	2	90-100%	- 1	-	-	-	-				
	Total %	100		Overall %	2-5%	-	_	-	-					

Fiber Identification:

cellulose fiber

Refractive Index Determinations						Fibers							
RI Per	RI Par	Col Per	Col Par	Oil	Ext	Elg	Bi	Pleo	Iso	Mrph	Color	ribers	
					U	+	Н	N	N	F	W	cellulose fiber	1
													2
													3
													4
													5
													6
													6

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample MR-ACM-004d

Lab Number 2011-05827- 61

Sampled: 6/1/2011

13:53

Condition: acceptable

Analyzed By US

6/16/2011

cellulose fiber

An? OK

Apparent Smp Type Flooring

Non-fibrous Solid

Homogeneous No

Layers 3

Pos Layer? No

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): filler, polymer,

	ayers						Percents o	f Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	floor tile	87	gray	1	n.d.	-	-	-		-
2	mastic	3	yellow	1	<=1%	-	-	-	-	-
3	leveling compound	10	off-white	3	>1-2%	-	-	-	-	-
	Total %	100		Overall %	<=1%	-	-	-	-	-

Fiber Identification:

Color

W

cellulose fiber

Mrph

Iso

N

Pieo

N

Bi

Н

Elg

	Refractive Index Determinations												
Ext	Oil	Col Par	Col Per	RI Par	RI Per								
U													

Sample Analytical Note

Fibers

4 5

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Job Number:

201105827

031.11.003

Sample MR-ACM-005e **Analyzed By US**

Lab Number 2011-05827- 62

Sampled: 6/1/2011 Apparent Smp Type Flooring

13:55 Condition: acceptable Non-fibrous Solid

Homogeneous No

6/16/2011

An? OK

Layers 4

Pos Layer? No

Sub-Samples 8

Non-Fibrous Components (in approx. decreasing order): filler, binder,

L	ayers						Percents of	Each Fiber		
#	Layer Type	9/0	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	floor tile	87	gray	1	n.d.	-	= =			-
2	mastic	1	yellow	1	<=1%	-	-	-	-	-
. 3	leveling compound	2	off-white	3	>1-2%	-	-	-	I - '	-
4	wood	10	brown	2	90-100%	•	-	-		-
	Total %	100		Overall %	5-10%	-	-	-	-	-

Fiber Identification:

cellulose fiber

						R	Refractive Index Determinations					
	Color	Mrph	Iso	Pleo	Bi	Eig	Ext	Oil	Col Par	Col Per	RI Par	RI Per
	W	F	N	N	Н	+	U					
_												

Fibers

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

Sample MR-ACM-006f

Lab Number 2011-05827- 63

Sampled: 6/1/2011

13:57

Condition: acceptable

Analyzed By US

6/16/2011

cellulose fiber

cellulose fiber

An? OK

Apparent Smp Type Miscellaneous

Rubbery

Homogeneous No

Layers 2

Pos Layer? No

Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): polymer, binder,

La	yers					Each Fiber	er			
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	base cove	90	black	1	n.d.	-	-		-	-
2	mastic	10	off-white	1	<=1%	-	-	-	-	-
	Total %	100		Overail %	<=1%	-	-	-	-	-

Fiber Identification:

Color

W

cellulose fiber

Mrph

Iso

·N

Pleo

N

Bi

н

Elg

	R	efractive I	efractive Index Determinations										
Ext	Oil	Col Par	Col Per	RI Par	RI Per								
U													
					L								

Fibers

3 5 6

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Homogeneous No

Job Number:

201105827

031.11.003

Sample MR-ACM-007g Lab Number 2011-05827-64 Analyzed By US 6/16/2011 An? OK

Sampled: 6/1/2011 Apparent Smp Type Miscellaneous

Fib 2

13:59 Rubbery

Sub-Samples 5

Layers 2 Non-Fibrous Components (in approx. decreasing order): polymer, binder,

#	Layer Type	%	Color	Friability	Fib 1
1	base cove	95	black	1	n.d.
2	mastic	5	off-white	1	<=1%

Percents of Each Fiber Fib 4 Fib 5 Fib 6

Overall Fiber Identification:

):	cellulose fiber					
%	<=1%	-	-	•	-	-
	<=1%			•	- -	-
	n.d.	-	-	•	-	-

	Fth								Refractive Index Determinations					
<u> </u>	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per	
1	cellulose fiber	W	F	N	N	Н	+	U						
2														
3							T							
4														
5														
6														
		l .					L		<u> </u>	L				

Pos Layer? No

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample MR-ACM-008h

Lab Number 2011-05827-65

Sampled: 6/1/2011 14:02 Condition: acceptable

Condition: acceptable

Analyzed By US

6/16/2011

An? OK

Apparent Smp Type Miscellaneous

Rubbery

Homogeneous No

Layers 2

Pos Layer? No

Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): polymer, binder,

	ayers			[Percents of	f Each Fiber		
#	Layer Type	%	Color	Friability [Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	base cove	80	black	1	n.d.	-	-	-	-	-
2	mastic	20	off-white	1	<=1%		-	-	-	-
	Total %	100		Overall %	<=1%	•	Ш		•	-

Fiber Identification:

cellulose fiber

	Refr	active	Index	Deter	mination	ıs
_	$\overline{}$		_			_

	Fibers		2.22						- "	CITOCOTA A	HOCK DELE		
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	cellulose fiber	W	F	N	N	Н	+	U					
2													
3													
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Analyzed By US

Homogeneous No

Job Number:

Lab Number 2011-05827-66

201105827

Sampled: 6/1/2011

031.11.003

Sub-Samples 5

14:06

Rubbery

Phone: 602-276-6139

1-800-743-2687

FAX: 602-276-4558

5025 S. 33rd Street

Phoenix, Arizona 85040-2816

Page 38 of 58

Fiberquant, Inc.

Non-Fibrous Components (in approx. decreasing order): polymer, binder, Layers Percents of Each Fiber **Layer Type** % Color Friability Fib 1 Fib 2 Fib 3 Fib 5 Fib 6 95 black base cove n.d. off-white <=1% mastic 100 Total % Overall % <=1% Fiber Identification: cellulose fiber **Refractive Index Determinations** Fibers Color Mrph Iso Pleo Bi Elg Ext Col Par Col Per RI Par RI Per celiulose fiber W N N н U 3 **4 5**

Apparent Smp Type Miscellaneous

Pos Layer? No

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample MR-ACM-010j

Lab Number 2011-05827- 67

Sampled: 6/1/2011

14:07

Condition: acceptable

Condition: acceptable

Analyzed By US

6/16/2011

cellulose fiber

6/16/2011

An? OK

An? OK

Layers 2

Apparent Smp Type Miscellaneous

Rubbery

Homogeneous No

Layers 2

Pos Layer? No

Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): polymer, binder,

Lay	yers						Percents of	Each Fiber		
#	Layer Type	º/o	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	base cove	95	black	1	n.d.	-	-	-	-	-
2	mastic	5	off-white	1	<=1%	•	-	-		-
	Total %	100		Overall %	<=1%	-	-	-	-	-

Fiber Identification:

Color

W

cellulose fiber

Iso

N

Pleo

N

Mrph

			R	efractive I	ndex Dete	mination	15
Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
Н	+	U					
							4
			111				

Sample Analytical Note

Fibers

2 4 5

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not

201105827

031.11.003

Sample MR-ACM-011k Lab Number 2011-05827-68 Sampled: 6/1/2011 14:11 Condition: acceptable Analyzed By US 6/16/2011 An? OK Apparent Smp Type Acoustical Tile Fibrous Mat Homogeneous No Pos Layer? No # Layers 2 # Sub-Samples 5 Non-Fibrous Components (in approx. decreasing order): filler, binder, Layers Percents of Each Fiber Color Friability **Layer Type** Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 Fib 6 10 paint off-white n.d. acoustical tile 90 brown 90-100% Total % 100 Overall % 80-90% cellulose fiber Fiber Identification: **Refractive Index Determinations** Fibers Color Col Par Col Per RI Par RI Per Mrph Iso Pleo Bi Elg Ext cellulose fiber W N N н U 2 3 4 5 6 Sample Analytical Note Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid. Sample MR-ACM-012I Lab Number 2011-05827- 69 Sampled: 6/1/2011 14:14 Condition: acceptable Analyzed By US 6/16/2011 An? OK Apparent Smp Type Acoustical Tile Fibrous Mat Homogeneous No # Layers 2 Pos Layer? No # Sub-Samples 5 Non-Fibrous Components (in approx. decreasing order): filler, binder, Layers Percents of Each Fiber # Layer Type Color Friability Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 8 paint off-white n.d. 92 90-100% acoustical tile brown Total % 100 Overall % 80-90% Fiber Identification: cellulose fiber Refractive Index Determinations Fibers Color Bi Col Par | Col Per | RI Par | RI Per Mrph Iso Pleo Elg Ext cellulose fiber w Н Ν Ν U 2 3 4 5 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid. Sample MR-ACM-013m Lab Number 2011-05827-70 Sampled: 6/1/2011 14:17 Condition: acceptable Analyzed By US 6/16/2011 An? OK Apparent Smp Type Acoustical Tile Fibrous Mat Homogeneous No # Layers 2 Pos Layer? No # Sub-Samples 5 Non-Fibrous Components (in approx. decreasing order): filler, binder, Layers Percents of Each Fiber Layer Type Color Friability Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 Fib 6 5 off-white n.d. paint acoustical tile 95 brown 90-100% Total % 100 Overall % 90-100% Fiber Identification: cellulose fiber **Refractive Index Determinations** Fibers Color Mrph Iso Pleo Bi Elg Ext Col Par Col Per RI Par RI Per cellulose fiber 1 w N N н U 2

Sample Analytical Note

3 4 5

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

5025 S. 33rd Street

Phoenix, Arizona 85040-2816

Phone: 602-276-6139

FAX: 602-276-4558

1-800-743-2687

Job Number:

201105827

031.11.003

Analyzed By US Homogeneous Yes

Sample MR-ACM-014n 6/16/2011 Lab Number 2011-05827-71

Sampled: 6/1/2011 Apparent Smp Type Acoustical Tile

14:19 Condition: acceptable Fibrous Mat

An? OK # Layers 1

Pos Layer? No

Sub-Samples 3

Non-Fibrous Components (in approx. decreasing order): filler, binder,

La	ayers						Percents of	Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	acoustical tile	100	brown	3	90-100%	-	- 1	-	-	-
	Total %	100		Overall %	90-100%	-	-	-	-	-

Fiber Identification:

cellulose fiber

									R	efractive I	ndex Dete	mination	S
	Fibers	Color	Mrph	150	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	cellulose fiber	w	F	N	N	Н	+	υ					
2													
3													
4											_		
5													
6		12											

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

Sample MR-ACM-0150

Lab Number 2011-05827-72

14:23

Analyzed By US

An? OK

Apparent Smp Type Acoustical Tile

Pleo

N

Bi

Н

Sampled: 6/1/2011

Elg

Fibrous Mat

Condition: acceptable

Homogeneous No

6/16/2011 # Layers 2

Pos Layer? No

Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): filler, binder,

La	yers						Percents of	Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	10	off-white	1	n.d.	-	-	-	-	-
2	acoustical tile	90	brown	3	90-100%	-	-	-	-	-
	Total %	100		Overall %	80-90%	-	-	-	-	_

Fiber Identification:

Color

w

cellulose fiber

Mrph

Iso

N

	Refractive Index Determinations												
Ext	Oil	Col Par	Col Per	RI Par	RI Per								
υ													
		1		1									
		1											

Sample Analytical Note

Fibers

cellulose fiber

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

201105827

031.11.003

Sample MR-ACM-016p

Lab Number 2011-05827-73

Sampled: 6/1/2011

14:30 Condition: acceptable

Analyzed By US 6/16/2011 An? OK

Apparent Smp Type Wall System

Fibrous Solid

Homogeneous No

Layers 4

Pos Layer? No Non-Fibrous Components (in approx. decreasing order): filler, binder,

Sub-Samples 12

	ayers			[Percents of Each Fiber								
#	Layer Type	%	Color	Friability [Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6			
1	paint	20	various	1	n.d.	n.d.	-	-	-	-			
2	texture/joint compound	40	off-white	3	<=1%	n.d.	-	-	-	-			
3	paper/cardboard	30	tan	2	n.d.	90-100%	-	-		-			
4	drywali core	10	white	3	n.d.	>1-2%	-	-	-	-			
	Total %	100		Overall %	<=1%	20-30%			-	-			

Fiber Identification:

chrysotile asbestos cellulose fibe

								R	efractive I	ndex Dete	rminatio	ns
Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
chrysotile asbestos	W	Α	N	N	L	+	P	1.550	vb/g	sb/o	1.556	1.553
cellulose fiber	W	F	N	N	Н	+	U					
				1		T						
		chrysotile asbestos W	chrysotile asbestos W A	chrysotile asbestos W A N cellulose fiber W F N	Color Mrph 150 Pleo chrysotile asbestos W A N N cellulose fiber W F N N	Color Perp 150 Pieo Bi chrysotile asbestos W A N N L cellulose fiber W F N N H	chrysotile asbestos W A N N L + cellulose fiber W F N N H +	Color Mrph 150 Pleo Bl Etg Ext	Color Mrph Iso Pleo Bi Elg Ext Oil	Color Mrph Iso Pleo Bi Elg Ext Oil Col Par	Color Mrph Iso Pleo Bi Elg Ext Oil Col Par Col Per	Color Mrph 150 Pieo Bi Etg Ext Oil Col Par Col Per Rt Par

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid. Point Count: Layer Number 2; 0 asbestos counts per 400 total counts = Trace percent.

Sample MR-ACM-017p

Lab Number 2011-05827-74

Sampled: 6/1/2011

14:35 Condition: acceptable

Analyzed By US

6/16/2011 An? OK Apparent Smp Type Wall System

Non-fibrous Solid

Homogeneous No

Lavers 2

Pos Layer? No

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): filler, binder,

	Layers			
#	Layer Type	%	Color	Friability
1	paint	85	off-white	1
2	texture/joint compound	15	off-white	3
	Total 0/	100		Organii 06

Fiber Identification:

<=1%

Fib 1 n.d. <±1%

	Percents of Each Fiber										
Fib 2	Fib 3	Fib 4	Fib 5	Fib 6							
-	-	-	-	-							
		_	_	_							

chrysotile asbestos

									Refractive Index Determinations					
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per	
1	chrysotile asbestos	W	Α	N	N	L	+	P	1.550	vb/g	sb/o	1.556	1.553	
2														
3												-		
4														
5														
6														

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid. Point Count: Layer Number 2; 0 asbestos counts per 400 total counts = Trace percent.

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FAX: 602-276-4558

201105827

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Sample MR-ACM-018r

Lab Number 2011-05827-75

er 2011-05827- 75 Sampled: 6/1/2011 Apparent Smp Type Wall System 14:39 Condition: acceptable

Analyzed By US Homogeneous No 6/16/2011

An? OK # Layers 2

Pos Layer? No

Non-fibrous Solid
Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): filler, binder,

	Layers			
#	Layer Type	%	Color	Friability
1	paint	50	off-white	1
2	texture/joint compound	50	off-white	3
	Total %	100		Overall %

Fiber Identification:

<≈1% chrysotile asbestos

Fib 1

n.d. <≈1%

									Refractive Index Determinations				
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oii	Col Par	Col Per	RI Par	RI Per
1	chrysotile asbestos	W	A	N	N	L	+	Р	1.550	vb/g	sb/o	1.556	1.553
_2			T										
3													
4													
5													
6			1										

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid. Point Count: Layer Number 2; 0 asbestos counts per 400 total counts = Trace percent.

Sample MR-ACM-019s

Lab Number 2011-05827- 76

Sampled: 6/1/2011 14:42

Condition: acceptable

Analyzed By US

6/16/2011

An? OK

Apparent Smp Type Wall System

Non-fibrous Solid

Homogeneous No

Layers 4

Pos Layer? No

Sub-Samples 12

Non-Fibrous Components (in approx. decreasing order): filler, binder,

	Layers			
#	Layer Type	%	Color	Friability
1	paint	20	off-white	1
2	texture/joint compound	40	off-white	3
3	paper/cardboard	20	tan	2
4	drywall core	20	white	3
	Total %	100		Overall %

Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
n.d.	n.d.	n.d.		-	-
<≈1%	n.d.	n.d.		-	•
n.d.	90-100%	n.d.	-	, -	-
n.d.	<=1%	<=1%	•	-	-
<≈1%	10-20%	<=1%		-	-

Percents of Each Fiber

Fiber Identification:

chrysotile asbestos cellulose fiber glass fiber

									Refractive Index Determinations					
_	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per	
1	chrysotile asbestos	W	Α	N	N	L	+	Р	1.550	vb/g	sb/o	1.556	1.553	
2	cellulose fiber	W	F	N	N	Н	+	U						
3	glass fiber	CL	D	Υ										
4				Ï										
5														
6														

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of joint compound/texture matrix using acid. Point Count: Layer Number 2; 0 asbestos counts per 400 total counts = Trace percent.

Job Number:

201105827

031.11.003

Sample MR-ACM-020t Analyzed By US

6/16/2011

Lab Number 2011-05827-77

Sampled: 6/1/2011 Apparent Smp Type Wall System

14:45 Condition: acceptable Fibrous Solid

Homogeneous No

Layers 3

Pos Layer? No

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): filler, binder,

La	ayers			Į	Percents of Each Fiber								
#	Layer Type	%	Color	Friability [Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6			
1	paint	20	off-white	1	n.d.	n.d.	-	-	-	-			
2	paper/cardboard	40	tan	2	90-100%	n.d.	-	11-1	-	-			
3	drywall core	40	white	3	<=1%	<=1%	-	-	-	-			
	Total %	100		Overall %	30-40%	<=1%	-	-	-	-			

Fiber Identification:

An? OK

cellulose fiber glass fiber

_	Teth							Refractive Index Determinations					
_	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	cellulose fiber	W	F	N	N	Н	+	U					
2	glass fiber	CL	D	Υ							_		
3					1								
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent.

Sample RMB-ACM-001a

Lab Number 2011-05827-78

Sampled: 6/1/2011 15:21

Condition: acceptable Non-fibrous Solid

Analyzed By GV

6/16/2011

Apparent Smp Type Flooring

Homogeneous No

An? OK # Layers 2

Pos Layer? No

Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): filler, polymer,

La	yers				Percents of Each Fiber								
#	Layer Type	9/0	Color	Friability [Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6			
1	floor tile	99	off-white	1	n.d.		-		-	-			
2	mastic	1	yeliow	1	n.d.	-	-		-	-			
	Total %	100		Overall %	n.d.	-		-	-	-			

Fiber Identification:

none

	eth							Refractive Index Determinations					
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	none												
2					1								
3					_								
4													
5													
6							TI.						

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

201105827

031.11.003

Sample RMB-ACM-002b Lab Number 2011-05827-79 Sampled: 6/1/2011 15:24 Condition: acceptable Analyzed By GV 6/16/2011 An? OK Apparent Smp Type Flooring Non-fibrous Solid # Layers 2 # Sub-Samples 5 Homogeneous No Pos Layer? No Non-Fibrous Components (in approx. decreasing order): filler, polymer, Layers Percents of Each Fiber **Layer Type** % Color Friability Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 Fib 6 floor tile 99 off-white n.d. mastic yellow n.d. 100 Total % Overali % n.d. Fiber Identification: none **Refractive Index Determinations** Fibers Color Mrph Iso Pieo Bi Elg Ext Oil Col Par Col Per RI Par RI Per none 2 3 4 5 6 Sample Analytical Note Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent. Sample RMB-ACM-003c Lab Number 2011-05827-80 Sampled: 6/1/2011 15:27 Condition: acceptable **Analyzed By GV** 6/16/2011 An? OK **Apparent Smp Type** Flooring Non-fibrous Solid # Lavers 2 Homogeneous No Pos Layer? No # Sub-Samples 5 Non-Fibrous Components (in approx. decreasing order): filler, polymer, Layers Percents of Each Fiber # Color Friability Fib 2 **Layer Type** % Fib 1 Fib 3 Fib 4 Fib 5 Fib 6 floor tile 99 off-white n.d. mastic yellow n.d. 100 Overall % Total % n.d. Fiber Identification: none Refractive Index Determinations Fibers Color lio Mrph Iso Pleo Bi Elg Ext Col Par Col Per RI Par RI Per none 3 4 5 Sample Analytical Note Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent. Sample RMB-ACM-004d Lab Number 2011-05827-81 Sampled: 6/1/2011 15:30 Condition: acceptable Analyzed By GV 6/16/2011 An? OK Apparent Smp Type Acoustical Tile Fibrous Mat Homogeneous No # Lavers 2 Pos Layer? No # Sub-Samples 4 Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder Layers Percents of Each Fiber # **Layer Type** 9/0 Color Friability Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 Fib 6 white paint n.d. n.d. acoustical tile 98 tan 20-30% 2-5% Total % 100 Overall % 20-30% 2-5% Fiber Identification: cellulose fiber glass fiber **Refractive Index Determinations** Fibers Color Mrph Iso Pieo Bi Elg Ext Col Par Coi Per RI Par RI Per cellulose fiber w N н U N 2 CL D glass fiber 3 4 5 6 Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

Job Number:

201105827

031.11.003

Sample RMB-ACM-005e

6/16/2011

Lab Number 2011-05827-82

Sampled: 6/1/2011 Apparent Smp Type Acoustical Tile

15:32 Condition: acceptable Fibrous Mat

Analyzed By GV Homogeneous No

Layers 2

Pos Layer? No

Sub-Samples 4

Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder

An? OK

n La	yers			[Percents o	f Each Fiber		
#	Layer Type	%	Color	Friability [Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fi
1	paint	2	white	1	n.d.	n.d.	-	-	-	
2	acoustical tile	98	tan	3	20-30%	2-5%	-	-		
	Total %	100		Overall %	20-30%	2-5%		T -	T	T

Fiber Identification:

cellulose fiber glass fiber

									Refractive Index Determinations					
	Fibers	Color	Mrph	Iso	Pleo	Bi	Eig	Ext	Oil	Col Par	Col Per	RI Par	RI Per	
1	cellulose fiber	W	F	N	N	Н	+	U						
2	glass fiber	CL	D	Υ						-				
3														
4														
5										-				
6														

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

Sample RMB-ACM-006f

Lab Number 2011-05827-83

Sampled: 6/1/2011

Condition: acceptable

Analyzed By GV Homogeneous No

6/16/2011

An? OK # Layers 2

Apparent Smp Type Acoustical Tile Pos Layer? No

Fibrous Mat # Sub-Samples 4

Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder

	yers			L	Percents of Each Fiber										
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6					
1	paint	2	white	1	n.d.	n.d.	-	-	-	-					
2	acoustical tile	98	tan	3	20-30%	2-5%	-	-	-	-					
	Total %	100		Overall %	20-30%	2-5%	-	_	-	-					

Fiber Identification:

cellulose fiber glass fiber

											Refractive Index Determinations				
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Coi Par	Col Per	RI Par	RI Per		
1	cellulose fiber	W	F	N	N	Н	+	U							
2	glass fiber	CL	D	Υ											
3															
4															
5															
6															

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

PLM Analysis Details
Sample RMB-ACM-007g

Layer Type

base cove

mastic

Total %

none

6/16/2011

98

100

6/16/2011

98

100

Analyzed By GV

Homogeneous No

Layers

Fibers

Sample Analytical Note

Analyzed By GV

Homogeneous No

Layers

Fibers

Sample Analytical Note

Sample RMB-ACM-008h

Layer Type

base cove

mastic

Total %

none

analyzed.

#

3 4 5 Job Number:

Lab Number 2011-05827-84

Friability

Overall %

Color

Fiber Identification:

An? OK

Layers 2

Color

black

brown

Non-Fibrous Components (in approx. decreasing order): polymer, filler,

An? OK

Layers 2

Color

black

brown

Non-Fibrous Components (in approx. decreasing order): polymer, filler,

201105827

Fib 2

ы

Elg

Sampled: 6/1/2011

Apparent Smp Type Miscellaneous

Pos Layer? No

Fib 1

n.d.

n.d.

n.d.

Iso

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not

Apparent Smp Type Miscellaneous

Pleo

Fib 2

Bi

Elg

Pos Layer? No

Fib 1

n.d.

n.d.

n.d.

Iso

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not

none

Mrph

Pleo

none

Mrph

Lab Number 2011-05827-85

Friability

Overall %

Color

Fiber Identification:

Sampled: 6/1/2011

031.11.003

Sub-Samples 4

Percents of Each Fiber

Fib 3

Ext

15:36

Fib 4

15:38

Fib 4

Sub-Samples 4

Percents of Each Fiber

Fib 3

Ext

1-800-743-2687

Rubbery

Rubbery

Condition: acceptable

Fib 6

Fib 5

Refractive Index Determinations

Col Par Col Per RI Par RI Per

Condition: acceptable

Fib 6

Fib 5

Refractive Index Determinations

Oil Col Par Col Per RI Par RI Per

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PLM Analysis Details

Job Number:

201105827

031.11.003

Sample RMB-ACM-009i

Analyzed By GV

Lab Number 2011-05827-86

Sampled: 6/1/2011 **Apparent Smp Type** Miscellaneous

15:39 Rubbery

Homogeneous No

6/16/2011

Pos Layer? No

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): polymer, filler,

Layers 3

Lay	yers			L			Percents or	FEach Fiber		
#	Layer Type	%	Color	Friability [Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	base cove	97	black	1	n.d.	-	-	-	-	-
2	mastic	2	brown	1	n.d.	-	-	-	-	-
3	mastic	1	white	1	n.d.	-	-	-	-	-
	Total %	100		Overall %	n.d.	-	-	-	-	-

Fiber Identification:

An? OK

	Pik								R	efractive I	ndex Dete	rmination	15
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	none												
2													
3													
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample RMB-ACM-010j

Lab Number 2011-05827-87

Sampled: 6/1/2011

15:40

Condition: acceptable

Condition: acceptable

Analyzed By GV Homogeneous No

6/16/2011

cellulose fiber

An? OK # Layers 3

Apparent Smp Type Wall System Pos Layer? No

Non-fibrous Solid

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): powder, ,

	.ayers			Ĺ			Percents of	f Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	2	various	1	n.d.	-	-	-	-	
2	texture/joint compound	95	white	3	n.d.	-	-	-	-	-
3	paper/cardboard	3	tan	2	90-100%	-	-	-	- 11	-
	Total %	100		Overall %	2-5%	-	•	-	-	-

Pleo

N

Bi

Elg

Fiber Identification:

Color

W

cellulose fiber

Iso

N

Mrph

	Refractive Index Determinations Oil Col Par Col Per RI Par RI Per														
Ext	Oil	Col Par	Col Per	RI Par	RI Per										
Ų															

Sample Analytical Note

Fibers

3 4 5

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Procedure: dissolution of matrix using dilute HCI acid.

PLM Analysis Details

Job Number:

201105827

031.11.003

Sample RMB-ACM-011k

Analyzed By GV

Lab Number 2011-05827-88

Sampled: 6/1/2011 Apparent Smp Type Wall System

15:43 Condition: acceptable Non-fibrous Solid

Homogeneous No

6/16/2011

Pos Layer? No

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): powder, ,

	Layers			l			Percents of	Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	2	various	1	n.d.	-	-	_	-	-
2	texture/joint compound	95	white	3	n.d.	-	-		-	-
3	paper/cardboard	3	tan	2	90-100%	•	-	-	-	-
	Totai %	100		Overall %	2-5%	-	-		•	-

Fiber Identification:

An? OK

Layers 3

cellulose fiber

	Fibers	, III							R	efractive I			
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	cellulose fiber	W	F	N.	N	Н	+	U					
2													
3													
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Procedure: dissolution of matrix using dilute HCl acid.

Sample RMB-ACM-012I Analyzed By GV

6/16/2011

cellulose fiber

glass fiber

Lab Number 2011-05827-89 An? OK

Sampled: 6/1/2011 Apparent Smp Type Wall System

15:45

Condition: acceptable Non-fibrous Solid

Homogeneous No

Layers 4

Pos Layer? No

Sub-Samples 9

Non-Fibrous Components (in approx. decreasing order): powder, ,

	ayers						Percents of	f Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	2	various	1	n.d.	n.d.	-	-		-
2	texture/joint compound	5	white	3	n.d.	n.d.	-	-	-	-
.3	paper/cardboard	3	tan	2	90-100%	n.d.	_	-	-	_
4	drywall core	90	white	3	<=1%	<=1%	-	-		-
	Total %	100		Overall %	2-5%	<=1%	-	-	-	-

Fiber Identification:

Color

W

CL

Mrph

D

cellulose fiber glass fiber

Pleo

N

Bi

Elg

+

_						
		F	Refractive I	ndex Dete	rmination	15
1	Ext	Oil	Col Par	Col Per	RI Par	RI Per
	U					
_						
_						
			_			

Sample Analytical Note

Fibers

3 4 5

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Procedure: dissolution of matrix using dilute HCl acid.

Iso

N

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031.11.003

Sample RMA-ACM-001a Lab Number 2011-05827-90 Sampled: 6/1/2011 15:48 Condition: acceptable Analyzed By GV 6/16/2011 An? OK Apparent Smp Type Flooring Non-fibrous Solid # Layers 2 Pos Laver? No # Sub-Samples 6 Homogeneous No Non-Fibrous Components (in approx. decreasing order): filler, polymer, Layers Percents of Each Fiber Layer Type % Color Friability Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 Fib 6 99 off-white floor tile n.d. mastic yellow n.d. 100 Overall % Total % n.d. Fiber Identification: none Refractive Index Determinations Fibers Color Mrph Iso Pleo Bi Elg Ext Col Par | Col Per | RI Par | RI Per none 3 4 5 6 Sample Analytical Note Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent, Sample RMA-ACM-002b Lab Number 2011-05827- 91 Sampled: 6/1/2011 15:50 Condition: acceptable 6/16/2011 An? OK Analyzed By GV **Apparent Smp Type** Flooring Non-fibrous Solid Homogeneous No # Lavers 2 # Sub-Samples 6 Pos Laver? No Non-Fibrous Components (in approx. decreasing order): filler, polymer, Layers Percents of Each Fiber Layer Type Color Friability Fib 1 Fib 2 # % Fib 3 Fib 4 Fib 5 Fib 6 floor tile 99 off-white n.d. yellow mastic n.d. 100 Total % Overall % n.d. Fiber Identification: none Refractive Index Determinations Fibers Color Mrph Iso Pleo Bi Elg Ext Oil Col Par | Col Per | RI Par | RI Per none 3 4 5 Sample Analytical Note Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent. Sample RMA-ACM-003c Lab Number 2011-05827- 92 Sampled: 6/1/2011 15:53 Condition: acceptable Analyzed By GV 6/16/2011 An? OK Apparent Smp Type Flooring Non-fibrous Solid # Layers 2 # Sub-Samples 6 Homogeneous No Pos Layer? No Non-Fibrous Components (in approx. decreasing order): filler, polymer, Layers Percents of Each Fiber Layer Type 9/p Color Friability Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 Fib 6 99 off-white floor tile n.d. mastic yeliow n.d. Total % 100 Overall % n.d. Fiber Identification: none **Refractive Index Determinations** Fibers Color Mrph Iso Pleo Bi Elg Ext Col Par | Col Per | RI Par | RI Per none 3 4 5 6 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

201105827

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Sample RMA-ACM-004d Analyzed By GV

Lab Number 2011-05827- 93 An? OK

Sampled: 6/1/2011 Apparent Smp Type Acoustical Tile

15:55 Condition: acceptable Fibrous Mat

Homogeneous No

6/16/2011

Pos Layer? No

Sub-Samples 4

Layers 2 Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder

La	yers						Percents o	f Each Fiber	· .	
#	Layer Type	9/0	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	2	white	1	n.d.	n.d.			-	-
2	acoustical tile	98	off-white	3	20-30%	2-5%	-	-	-	-
	Total %	100]	Overall %	20-30%	2-5%	-	-		-

Fiber Identification:

cellulose fiber glass fiber

									R	efractive I	ndex Deter	mination	15
	Fibers	Color	Mrph	Iso	Pleo	BI	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	cellulose fiber	W	F	N	N	Н	+	Ü					
2	glass fiber	CL	D	Υ		_							
3													
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

Analyzed By GV

Sample RMA-ACM-005e

Lab Number 2011-05827-94

Sampled: 6/1/2011

15:56

Condition: acceptable

Homogeneous No

6/16/2011

An? OK # Layers 2

Apparent Smp Type Acoustical Tile Pos Layer? No

Fibrous Mat # Sub-Samples 4

Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder

	ayers						Percents o	f Each Fiber		
#	Layer Type	9/0	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	2	white	1	n.d.	n.d.	-	-		
2	acoustical tile	98	off-white	3	20-30%	2-5%	-	-	-	-
	Total %	100		Overall %	20-30%	2-5%	-	- 1	-	

Fiber Identification: cellulose fiber

glass fiber

									R	efractive I	ndex Detei	mination	15
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	cellulose fiber	w	F	N	N	Н	+	U					
2	glass fiber	CL	D	Y									
3													\Box
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

Sample RMA-ACM-006f

Lab Number 2011-05827- 95

Sampled: 6/1/2011

15:58

Condition: acceptable

Analyzed By GV Homogeneous No

6/16/2011

An? OK # Layers 2

Apparent Smp Type Acoustical Tile Pos Layer? No

Fibrous Mat # Sub-Samples 4

Non-Fibrous Components (in approx. decreasing order): perlite, powder, binder

La	yers			[Percents of	Each Fiber		
#	Layer Type	°/o	Color	Friability [Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	2	white	1	n.d.	n.d.	-	-	-	-
2	acoustical tile	98	off-white	3	20-30%	2-5%	-		·	-
	Total %	100		Overall %	20-30%	2-5%				-

Fiber Identification:

cellulose fiber glass fiber

	Refractive Index Determinations							1S					
	Fibers	Color	Mrph	Iso	Pleo	Bl	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	celiulose fiber	w	F	N	N	Н	+	U					
2	glass fiber	CL	D	Υ									
3													
4													
5										= -			
6													

Procedure: tweased apart using forceps. Procedure: dissolution of paint matrix using solvent. Procedure: dissolution of acoustical tile using acid.

5025 S. 33rd Street

Phoenix, Arizona 85040-2816

Phone: 602-276-6139 1-800-743-2687 FAX: 602-276-4558

201105827

031.11.003

Analyzed By GV

Sample RMA-ACM-007g 6/16/2011 Lab Number 2011-05827-96

Sampled: 6/1/2011 Apparent Smp Type Miscellaneous

16:00 Condition: acceptable Rubbery

Homogeneous No

An? OK # Layers 2

Pos Layer? No

Sub-Samples 4

Non-Fibrous Components (in approx. decreasing order): polymer, filler,

La	yers			
#	Layer Type	9/0	Color	Friability
1	base cove	98	black	1
2	mastic	2	yellow	1
	Total %	100		Overall %

6/16/2011

Percents of Each Fiber Fib 1 Fib 2 Fib 5 Fib 6 Fib 3 Fib 4 n.d. n.d. n.d.

Fiber Identification:

none

									Refractive Index Determinations					
<u></u>	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per	
1	none													
2														
3														
4													Î	
5														
6														

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample RMA-ACM-008h

Lab Number 2011-05827- 97

Sampled: 6/1/2011

Condition: acceptable

Analyzed By GV

An? OK

Apparent Smp Type Miscellaneous

16:02 Rubbery

Homogeneous No

Layers 2

Pos Layer? No

Sub-Samples 4

Percents of Each Fiber

Non-Fibrous Components (in approx. decreasing order): polymer, filler,

L	La	yers							
	#	Layer Type	º/o	Color	Friability	Fib 1	Fib 2	1	
	1	base cove	98	black	1	n.d.	-	T	
	2	mastic	2	off-white	\\ 1	n.d.	-		
		Total %	100		Overall %	n.d.		Т	

Fiber Identification:

none

	Fib 3	Fib 4	Fib 5	Fib 6
	-	-	-	-
	-	-		-
_		_		T

	ett							Refractive Index Determinations					
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	none									11	1		
2													
3													
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

201105827

031.11.003

Sample RMA-ACM-009i

Lab Number 2011-05827- 98

Sampled: 6/1/2011

16:05 Condition: acceptable

Analyzed By GV 6/16/2011 An? OK

Apparent Smp Type Miscellaneous

Rubbery

Homogeneous No

Layers 2

Pos Layer? No

Pieo

Bi

Ela

Sampled: 6/1/2011

Sub-Samples 4

Non-Fibrous Components (in approx. decreasing order): polymer, filler,

La	yers				
#	Layer Type	%	Color	Friability	
1	base cove	98	black	1	
2	mastic	2	yeilow	1	
	Total %	100		Overall %	_

	Percents of Each Fiber										
Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6						
n.d.	-	-	-	-	-						
n.d.	-	-	-		-						
n.d.	-	_	- 1								

Fiber Identification:

none

Color

	Refractive Index Determinations										
xt	Oil	Col Par	Col Per	RI Par	RI Per						

Sample Analytical Note

5

Fibers

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample RMA-ACM-010j

Lab Number 2011-05827-99

none

Mrph Iso

Mrph

Iso

16:08

Condition: acceptable

Analyzed By GV

6/16/2011

none

none

An? OK

Apparent Smp Type Wall System

Non-fibrous Solid

Homogeneous No

Layers 2

Pos Layer? No

Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): powder, ,

L	ayers						Percents of	f Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	2	white	1	n.d.	_	-		-	-
2	texture/joint compound	98	white	3	n.d.	-	-	-	-	-
	Total %	100		Overall %	n.d.	-	-	-	•	-

Pleo

Fiber Identification:	
-----------------------	--

Color

Bi

		R	lefractive I	ndex Dete	rmination	15
Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per

Sample Analytical Note

Fibers

4 5

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Procedure: dissolution of matrix using dilute HCl acid.

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031.11.003

Sample RMA-ACM-011k Analyzed By GV

Lab Number 2011-05827- 100

Sampled: 6/1/2011 Apparent Smp Type Wall System

16:11 Condition: acceptable Non-fibrous Solid

6/16/2011 Homogeneous No

An? OK # Layers 2

Pos Layer? No

Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): powder, ,

	Layers						Percents of	Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	2	white	1	n.d.	-	-	-	-	-
2	texture/joint compound	98	white	3	n.d.	-	-	-	-	-
	Total %	100		Overall %	n.d.	-	-		-	-

Fiber Identification: none

									Refractive Index Determinations						
	Fibers	Color	Mrph	Iso	Pieo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per		
1	none														
2		_													
3															
4															
5															
6															

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Procedure: dissolution of matrix using dilute HCl acid.

Sample RMA-ACM-012I

16:15

Condition: acceptable

Homogeneous No

Analyzed By GV 6/16/2011

cellulose fiber

glass fiber

An? OK

Apparent Smp Type Wall System Pos Layer? No

Non-fibrous Solid # Sub-Samples 9

Layers 4 Non-Fibrous Components (in approx. decreasing order): powder, ,

	Layers			Percents of Each Fiber								
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6		
1	paint	2	off-white	1	n.d.	n.d.	-	-	-	-		
2	texture/joint compound	48	white	3	n.d.	n.d.	_	-	-	-		
3	paper/cardboard	5	tan	2	90-100%	n.d.	-	-	-	-		
4	drywail core	45	white	3	<=1%	<=1%	-	-	-	-		
	Total %	100		Overall %	2-5%	<=1%	-	-	-	-		

Fiber Identification:

Color

W

CL

Mrph

D

cellulose fiber glass fiber

Pieo

Bi

Elg

	Refractive Index Determinations												
Ext	Oil	Col Par	Col Per	RI Par	RI Per								
U													
				1.									
		1											

Sample Analytical Note

Fibers

3 4 5

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Procedure: dissolution of matrix using dilute HCl acid.

Iso

N

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201105827

031.11.003

Sample BRB-ACM-001a Lab Number 2011-05827- 102 Sampled: 6/1/2011 16:20 Condition: acceptable Analyzed By GV 6/16/2011 An? OK **Apparent Smp Type** Flooring Non-fibrous Solid Homogeneous No # Layers 2 Pos Layer? No # Sub-Samples 5 Non-Fibrous Components (in approx. decreasing order): filler, polymer, Layers Percents of Each Fiber **Layer Type** Color Friability Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 Fib 6 99 off-white floor tile n.d. mastic vellow n.d. Total % 100 Overall % n.d. none Fiber Identification: **Refractive Index Determinations** Fibers Color **I**50 Bi Col Par Col Per RI Par RI Per Mrph Elg Ext none 3 4 5 Sample Analytical Note Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent. Sample BRB-ACM-002b Lab Number 2011-05827- 103 Sampled: 6/1/2011 16:22 Condition: acceptable Analyzed By GV 6/16/2011 An? OK Apparent Smp Type Flooring Non-fibrous Solid # Layers 2 Homogeneous No Pos Layer? No # Sub-Samples 5 Non-Fibrous Components (in approx. decreasing order): filler, polymer, Lavers Percents of Each Fiber # **Layer Type** % Color Friability Fib 1 Fib 2 Fib 3 Fib 5 Fib 6 floor tile 99 off-white n.d. vellow n.d. mastic Total % 100 Overall % n.d. Fiber Identification: none **Refractive Index Determinations** Fibers Color Mrph Iso Pleo Bi Col Par Col Per RI Par RI Per Ext none 3 4 5 Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent. Sample BRB-ACM-003c 16:27 Condition: acceptable An? OK Analyzed By GV 6/16/2011 **Apparent Smp Type** Flooring Non-fibrous Solid Homogeneous No # Layers 2 Pos Layer? No # Sub-Samples 5 Non-Fibrous Components (in approx. decreasing order): filler, polymer, Layers Percents of Each Fiber Layer Type % Color Friability Fib 1 Fib 2 Fib 3 Fib 4 Fib 5 Fib 6 99 off-white floor tile n.d. mastic vellow n.d. Total % 100 Overall % n.d. none Fiber Identification: **Refractive Index Determinations** Fibers Color Iso Pleo Mrph Bi Elg Ext Col Par | Col Per | RI Par | RI Per попе 3 4 5 6

Procedure: tweased apart using forceps. Procedure: dissolution of floor tile matrix and mastic using solvent.

none

201105827

031.11.003

Sample BRB-ACM-004d

Analyzed By GV

An? OK

Apparent Smp Type Wall System

16:30 Condition: acceptable Non-fibrous Solid

Homogeneous No

6/16/2011

Pos Layer? No

Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): powder, ,

Layers 2

	Layers						Percents of	f Each Fiber		
#	Layer Type	9/9	Color	Friability [Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	2	white	1	n.d.			-	-	-
2	texture/joint compound	98	white	3	n.d.	-	-	-	- 1	-
	Total %	100		Overall %	n.d.	-	-	-	-	

Fiber Identification:

										Refractive Index Determinations						
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	lio	Col Par	Col Per	RI Par	RI Per			
1	none															
2																
3																
4																
5		1														
6								*								

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Procedure: dissolution of matrix using dilute HCl acid.

Sample BRB-ACM-005e

16:33 Condition: acceptable

Analyzed By GV Homogeneous No

6/16/2011

An? OK # Layers 4

Apparent Smp Type Wall System Pos Layer? No

Non-fibrous Solid # Sub-Samples 12

Non-Fibrous Components (in approx. decreasing order): powder, ,

	Layers			L			Percents of	Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	2	white	1	n.d.	n.d.	n.d.	-	-	-
2	texture/joint compound	8	white	3	<=1%	n.d.	n.d.	-	-	-
3	paper/cardboard	5	tan	2	n.d.	90-100%	n.d.		-	-
4	drywali core	85	white	3	n.d.	<=1%	<=1%		-	-
	Total %	100		Overall %	<=1%	5-10%	<=1%	-	-	-

Fiber Identification:

chrysotile asbestos cellulose fiber glass fiber

									Refractive Index Determination						
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per		
1	chrysotile asbestos	W	Α	N	N	Ł	+	Р	1.550	vb/g	sb/o	1.556	1.553		
2	cellulose fiber	W	F	N	N	Н	+	U							
3	glass fiber	CL	D	Υ											
4															
5															
6															

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Procedure: dissolution of matrix using dilute HCl acid.Point Count: Layer Number 2; 0 asbestos counts per 400 total counts = Trace percent.

201105827

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Sample BRB-ACM-006f Analyzed By GV

6/16/2011

Lab Number 2011-05827- 107 An? OK

Sampled: 6/1/2011 16:38

Homogeneous No # Layers 6 Apparent Smp Type Wall System Pos Layer? No

Non-fibrous Solid # Sub-Samples 19

Non-Fibrous Components (in approx. decreasing order): powder, ,

	Layers			L	, , ,		Percents of	Each Fiber		
#	Layer Type	º/o	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	paint	2	white	1	n.d.	n.d.	n.d.		-	-
2	texture/joint compound	2	white	3	<=1%	n.d.	n.d.	-	-	-
_3	paper/cardboard	5	off-white	2	n.d.	90-100%	n.d.	-	-	-
4	texture/joint compound	8	white	3	<=1%	n.d.	n.d.	-	-	-
5	paper/cardboard	5	tan	2	n.d.	90-100%	n.d.		-	-
6	drywall core	78	white	3	n.d.	<=1%	<=1%	-	-	-
	Total %	100		Overall %	<=1%	5-10%	<=1%	-		_

Fiber Identification:

chrysotile asbestos cellulose fiber glass fiber

	Fibers Colon March You Black Bird									Refractive Index Determinations					
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per		
1	chrysotile asbestos	W	Α	N	N	L	+	Р	1.550	vb/g	sb/o	1.556	1.553		
2	cellulose fiber	W	F	N	N	н	+	U							
3	glass fiber	CL	D	Υ											
4															
5															
6															

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of matrix using solvent. Procedure: dissolution of matrix using dilute HCl acid.Point Count: Layer Number 2,4; 0 asbestos counts per 400 total counts = Trace percent. Note: the texture/joint compound layers were identical in appearance and asbestos content. One point count was used to quantify them.

Sample BRB-ACM-007g

Fiber Identification:

Lab Number 2011-05827- 108 Sampled: 6/1/2011

none

16:42

Condition: acceptable

Condition: acceptable

Analyzed By GV

An? OK

Apparent Smp Type Miscellaneous

Rubbery

Homogeneous No

Layers 2

Pos Layer? No

Sub-Samples 5

Non-Fibrous Components (in approx. decreasing order): polymer, filler,

6/16/2011

L	ayers						Percents of	f Each Fiber		
#	Layer Type	9/0	Color	Friability [Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	base cove	98	black	1	n.d.	-	-	-	-	-
2	mastic	2	off-white	1	n.d.		-	-	-	-
	Total %	100		Overall %	n.d.		-			

	Ethania								R	efractive I	ndex Deter	minatior	15
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	none												
2													
3													
4													
S													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

201105827

031.11.003

Sample BRB-ACM-008h

Lab Number 2011-05827- 109

Sampled: 6/1/2011

16:45

Analyzed By GV

6/16/2011

An? OK Apparent Smp Type Miscellaneous

Fiber Identification:

Rubbery

Homogeneous No # Lavers 3 Pos Layer? No

Sub-Samples 6

Non-Fibrous Components (in approx. decreasing order): polymer, filler,

Lay	yers			L			Percents o	f Each Fiber		
#	Layer Type	%	Color	Friability	Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	base cove	97	black	1	n.d.	-	-		-	
2	mastic	2	off-white	1	n.d.	-	-	-	-	-
3	mastic	1	brown	1	n.d.	-	-	-	-	-
	Total %	100		Overall %	n.d.	-	-			-

	et								R	efractive I	ndex Dete	minatior	ıs
<u></u>	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	none												
2													
3													
4													
5													
6													

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Sample BRB-ACM-009i

Lab Number 2011-05827- 110 Sampled: 6/1/2011

none

16:48

Condition: acceptable

Condition: acceptable

Analyzed By GV Homogeneous No 6/16/2011

An? OK # Lavers 2

Fiber Identification:

Apparent Smp Type Miscellaneous Pos Layer? No

Sub-Samples 4

Rubbery

Non-Fibrous Components (in approx. decreasing order): polymer, filler,

La	yers						Percents of	FEach Fiber		
#	Layer Type	%	Color	Friability [Fib 1	Fib 2	Fib 3	Fib 4	Fib 5	Fib 6
1	base cove	97	black	1	n.d.	-	-		-	-
2	mastic	3	off-white	1	n.d.		-		-	-
	Total %	100		Overall %	n.d.	· -	-			_

$\overline{}$									R	efractive I			
	Fibers	Color	Mrph	Iso	Pleo	Bi	Elg	Ext	Oil	Col Par	Col Per	RI Par	RI Per
1	none												
2													
3	, , , , , , , , , , , , , , , , , , , ,		1					1					
4								\vdash					
5			1							†			
-	†	 	+	 	+		1	-		 		 - 	

Sample Analytical Note

Procedure: tweased apart using forceps. Procedure: dissolution of polymer matrix using solvent. Minor adhering wall paint and/or texture, etc. not analyzed.

Fr=Friability: 1=very non-friable; 2= non-friable; 3=friable; 4=highly friable

Trandamy: 12-very non-inable; 2= non-inable; 3=inable; 3=inable; 4=nignly rinable
Colors: B=black;BL=blue;BR=brown;CL=clear;G=Green;GY=gray;OR=orange;OW=off-white;PN=pink;PU=purple;R=red;TN=tan;W=white;Y=yellow;V=various
Fiber Morphology: A=fine fibers/bundles, white, sinewy, flexible; B=fine fibers/bundles, w-br, straight, broomed ends; C=fine fibers/bundles, blue, straight, broomed ends;
D=fine to coarse fibers, CL-B, brittle; E=coarse fibers,CL or dyed, striated; F=coarse fibers or splinters, W-BR, ribbon-like; G=lath-like or shards, low aspect ratio, may taper
Iso=isotropism - may be yes or no; Pleo=pleochroism - may be yes or n

Elg=sign of elongation - may be yes of no, rieo-piecuriosin - may be yes of no, bi=birerinigence - may be None, Low, Medium or High Elg=sign of elongation - may be +, - or B (both); Ext=extinction - may be Parallel, Oblique, None or Undulating; Oil=medium used to for dispersion staining Col Par=dispersion staining colors parallel to the fiber (fiber/halo): b/w=black/white; dg/py=dark gray/pale yellow; vg/y=violet gray/yellow; db/ly=dark blue/lemon yellow; vb/g= vivid blue/gold; sb/o=sky blue/orange; pb/r=pale blue/red; gb/dr=gray blue/dark red; w/b=white/black. Col Perp=same only perpendicular to fiber. RI Par=refractive index parallel to fiber; RI Perp=refractive index perpendicular to fiber

PLM Analysis Details

Job Number:

201105827

031.11.003

Analyst: UWE .. STEIMLE

Printed: 16-Jun-11

Original Print Date: 16-Jun-11

Larry S. Pierce, Approved Accreditation Signatory

FIBEROUANT	- //	
M/A	NALYTICAL SI	ERVICES

Fiberquant Analytical Services 5029 S. 3. Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558; info-6fiberquant.com 5025 S. 33 5t.;

High and the state of the state	
Analysis Request/Chain-of-Custody For	121
Sucretisal by (Company) BEC Environmental I	170
Address 7660 W. Sahana Ave, # 150)
LOS WEGGS NIV 89117	
702-304-9830 FAX 702-304-98	39
briane beeny.com	·
Imoce to (Company) Scine as above	
Address	
City, State, Zip Code	
Phone FAX	
Contact form) Brian Loffman	***********
Sampled by (signature)	
Job Number or Project Name 031-11-003	
PO Number	

	is Method Re		Tu	17.1	ound-til de one)	ne
-	wing distribution of the second		Rus	sh	Month	Ext.
Asbestos'	Analyte AT AT AT AT AT ATPE tren by Law Single Layer Protocol	er or Sample	Urg Rush 43 Prs	<ê hrs	13/1	15- 3-0 days
Fibers by PCM		M (Personal)	<61	25	24 nes	٠
Asbestos by TEM	AIR: AHERA	Mod. AHERA	<81	rs	24 hrs	3-5 days
	Water Valer Anno 2 Charled	Sludge Ful	1.2	lays	3-5 days	IUA
	Vacuum Dust (ASTA)		3 5 days 5-10 days <6 trs 2-13	ШA		
Metals by FLAA	Paint	MCE FG by Area by Weight			2-3 days	1214
Fungi	10xCount: Buk	After Other Swab Gualitative (%) Disantitative (cm2)	A CA	uş.	1-2 days	MA
Dust	MOSH 500	erace un full	44	hrs	24 hrs	IUA
Other			C	11	Call	

Sample Number	Description/Location	Sample Date	Sample Time	Vol/Area
1) RF-Acm-00/a	Routing material - asphaltic	6-1-2011		≈5,000 d
2) RF-ACM-COZB			1047	1 3/000 =
3) RF-ACM-003e			1052	
4) RF-ACM-004d			1057	
5) RF-ACM-005 e			1102	
6) RF-ACM-OOBF			1107	
7) RF-ACM-007 4			1117-	
8) RF-Acm-ough			11110	
9) RF-Acm-OOT;			1/20	V
10) SR-ACM1-COLG	Storage Room - textured wall board		1174	11000 th
11)58-ACM-602 b			1179	1
12) SR-Acm-103 C	V.		1133	
13) SR-ACIII - 004 d	White/beine Vinyl tile (12") - mustic		1135	
14) SE-ACM-USE			1137	= 5.0
15) SR-ACM-COG F	V		1140	
16) SIR-ACMI-0079	Certing accordinal textore white		1142	
17) SR-ACM-008 4			1146	
18) SE-ACIN-COI	V		1148	V
19) FUT-ACM-COLD	Zixi while Ceiling tile		1205	∠1000 ¢
20) ENT-ACM-COZ 6		V	1208	1.1
1) Belonquished by: Brian Leffman	Box Date 9-11 Tome: 1145 3)Reinquished by:		Dates	Time:
2)Porskied bus	Date: Tame: 4)Received by:		Oate:	Times
* TEM Water: Sampler's name Required by State of Arizona	Print Name Fix		Page	or 6

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		AL VIII	CAL SERVICES

Fiberquant Analytical Services 5025 S. 3 Phornus, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558; uf6@fiberquad.com 5025 S. 334 St.:

Analysis Request/Chain-of-Custody Form

Sebmited by (Company) Engl

Inicce to (Corpany) Address Cay, Sinte, Zo Code Phone

Job Number or Project Name PO Number

		od Requested HOD per COC	Τυ		ound-ti de one)	me
7			Hu	sh	Norm	Ext.
Asbestos by PLM	Analyze C II ATPF then I Single Layer F	zy Layer or Sample	Auso G les	c6 hrs	(1.5) (1.5)	15- 30 days
Fibers by PCM	7460(Area)	ORM (Personal)	est.	hes	24 1713	•
Asbestos by TEM	AG FILA	ERA Wod AHERA	<5	h:s	24 hrs	3-£ :1399
	Watter - W		1-21	375	3-5 days	11/A
	Annex2 C	di ad Amida de	3.5 0	ieys	5-10 dava	NA
Metals by FLAA	Mature:	Po Other Fire: MCE FG Paril: by Area by Weight Sot Withe Withing wees used are ASTM aril		hrs	2-3 02ys	ŅA.
Fungi	Ar Sample: 1DiCount	Zef Aller Other Eule Swat Tape Qualitative (*5) Tape Quantitative (cm2)	<6	lus	1-2 days	HA
Dust	NIOSH 500		<4	hrs	21 hrs	8UA
Other			C	aši	Call	

Sample Number	Description/Location	Sample Date	Sample Time	Vol/Area
1) EAST-ACM-CO3 c	Z'xz' while Ceiling file	6-1-2011	1210	< 1000 th
2) ENT-ACM-COHD	12" beinge viny tile & brown mustin	1	1214	
3) ENT-ACM-COSE			1218	
") ENT-ACM-CLIS F	V		1221	· ·
	Grey Care base + brown mastic		1225	人1000世
6) BRF-ACM-002 b			1226	- \
71885-AG11-CO3 C	V		12.28	Î.J
8) BEF-ACII-004 d	Wallboard + white feeture		1230	
91BEF-ACATOS e			1232	
10) BRF-ACM-COEF			1235	
11) BRF-ACM-007 g	12" VINY I +11e (Blue) + braun Mastic		1237	
12) BRF-ACNI-OCK L			12.38	
13) BRF-ACALOG I			12.40	
14) BRF-ACM-010)	12" while Viny tile + brown marile		1242	
15) BFF-Acm-OIL Y			1245	Ames
16) BRF-Acin-012 c	V		17.47	\$
17) TR-ACM-OCIL &	wallhoard + while small feature		1251	Liwort
18). TR-ACM-CO2 6			1253	
19) TR-ACM-CG3 C	V	11 11 1	1256	
20)-TR-ACM-604d	12" Grey Viny Hile + brown mestic	<u> </u>	1259	V
1)Relinquished by: BCIAN to FFMin		**************************************	Date:	Time:
2)Received by:	Dispersion of Time: AC 4)Received by:		Date:	Time:
* TEM Water: Sampler's nam Required by State of Arizona	c Print		Page 2	01_6

Hote: Outa completed by chent (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

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11.790	ANALYTICAL SERVICES

Fiberquant Analytical Services 5025 S. 33m St.: Phoenix, AZ 85040; Phone; GD2-276-6139; FAX: 602-276-4555;

inf615fbergund.com
Analysis Request/Chain-of-Custody Form
Submined by (Company) BEC Environmental Inc
ADDRESS 7660 IV. Schau Ar HIST
LV, NV 89/17
702-304-9830 702-304-9839
briane becovicin
Implice to (Company)
Affree

Samples by (expression) 7:55 Job Humber or Project Hame PO Number

City, State, Zin Code

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Analysis Method Requested ONLY ONE METHOD per COC		Tu	Turn-around-time (circle one)				
		Ru:	sh	Norm	Ext		
Asbestos by PLM	Apolyce If ATPF their Single Layer	by Lay	н от Батобо	Ung Flush <3 hts	≺δ tus (98/5	15- 30 slays
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	Vacuum Dun (ASTM)		3 S days		5-10 04/3	107	
FLAA Fungi	Analyte Matrix Initial tiere E1721 com As Sample	dunt	UCE FG by Area by Weight pes used are ASTM Alter Other	45		2-3 03/5	RA
	ID Court.		Swab Guarrativo (%) Diantitativo (cm2)	days			
Dust	NIOSH 500			<4	n.z	24 hrs	Hil
Other				C	11	Call	

Sample Number					Vol/Area	
TR-ACM-COS e	Grey 12" Ungl tile + Braun Muster	011	1301	21000 st		
*/ K-HCO1-086 F	W			1307		
3)-TR-Acm-C079	2'cz' White Ceiling tile			1303		
TR-Acm-COS L				1304		
5) TP-ACM-089;	V		-	1305	V	
6) KT-Acm-001 4	12" while Viryl tile + Mastie	1994		1310	Zioco d	
"KT-HOM-002 6				1312	-1	
6) KT-ACNI-003 C	V			1314		
9) KT-ACM COY d	2'x2' white Colling file	1		/3/7		
10) ILT- Hom-cos e				1316		
11) KT-AOM-COL F				1318	1, 1	
12) KT-HON-0074	Wallboard + textere			1323		
13) KT-ACH-COB 1				1326		
14) KT-ACOIT-COP 1				1330		
15)KT-4011-010 J	black love base + brown Mastic			1333		
16) KT-ACM-DII K				1337		
17) KT-ACM-012 L	Land to the second seco	Y		1340	1	
18) ME-HENT-CUI a	1/2" white Viryl file + brown master			1350	<500	
19) MR-11cm-002 6				1351		
201MR-ACM-CC3 C	<u> </u>			1352	U	
I Hollinguished by Francis T	The Date: 9-17 Time://45 1)ReInquished by:			Date:	Time:	
Hereived by:	Date: 10-8 Time: \$6 4)Received by:		***************************************	Date:	Time	
TEM Water: Sampler's nam Required by State of Arizona	e Print Bame F/X			Page 3	or (a	

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ANA	ALYTICAL SERVICES

Fiberquant Analytical Services 8025 S. 33rd St.;

Phoenix, AZ 85040, Phoenix, AZ 85040, Ph	one: 602-276-6139; FAX: 602-276-4558;
Analysis Regi	uest/Chain-of-Custody Form
Submitted by (Company)	El Environmenta Inc
Address 7660	Wa Schung Are #150
L L	1, NV 89117
Phone 702 - 304	-9830 FX 702-304-9839
	@ becavien
Indice to (Company)	ane as above
Address	and the second design of the s
Cty, State, Zip Code	
Phone	FAX
Contact (pint) Bri	an Loffman
Sampled by (signature)	mpr.
Job Namber or Project Name	031.11.003
PD Number	

Analysis Method Requested ONLY ONE METHOD per COC		Tu	Turn-around-time (carcle ane)			
			Ru	sh	Norm	Ext.
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	Initial here cer £1792 complai	thing wipes used are ASTM re				
Fungi	Ax Sample:	Zet Aler Other	×5	TT S	1.2	MA
	(D'Count)	Bula Swab			98/5	
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					1	
Dust	N/05H 500		4.4	735	24 hrs.	164
Other			C	all	Cati	

Sample Number	Description/Location	Sample Date	Sample Time	Vol/Area
1) MR-ACM-CO4 d	12" white Viny (file + mastic	6-1-2011	1353	7100 450
2) MR-ACM-015 e	V	(1355	
MR-ACM-066 F	black core base + brown motic		1357	
ME-HCM-COT 5			1359	
me-Acm-cos h			1407	
MR-Acm-OGI			1-106	
MR-ACM-010 1	V		1407	
Me-Acm-CII L	2'x2' white Ceiling tile		1411	
MR-ACM-UIZ L			1414	
10) ME-ACM-C13 M		P	1417	1 / 1
"ME-Acm 014 A			1419	
2) MR-14cm-0150	V		1423	
3) MR-ACM-CIL P	Wellboard + Surface texture		1430	
4) MR-1207-017 9			14135	
5)ME-ACM-CIR r			1439	
6)MR-Acm-019 3			1442	
MR-ACM-020+	V		1445	10
18) RMB-ACM-COLA	12" white Vinyl tile + mastic		1521	< 1000 to
19) PMB-ACM-COZb			1524	
ens-Acm-aize			1527	
Unetravished by:	Be Date: 69-11 Time: 1145 3]Relinquished by:		Date:	Time:
Received by:	B-10-11 Time: 40 4)Received by:	**************************************	Date:	Time:
TEM Water: Sampler's name Required by State of Arizona	e Print Name		Page I-{	or 62



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1	ANALYTICAL SERVI	

Fiberquant Analytical Services 5025 8. 3
Fiberquant AZ 85040; Phone; 602-276-6130; FAX: 602-276-458; 5025 S. 33m St.; udo@flberquant.com

Analysis Request/Chain-of-Custody Form
Signature by Company) BEC Environmental
7660 W. Sahara the #150
LV, NV 89117
Proce 702-304-9830 FAX 702-304-9839
Emil brienes herad (00

Impacs to (Company)	Samo	asobar	
Address			**************************************
City, State, Zip Code	***************************************	Model from Mild Ad Million is defluiched foreign die meine met Million met gerapen, von aus ein aus aus aus aus	
Etione		FAX	

Contact (orms) 750	ion loffman	
Sampled by (signalure)	13. fr	
Job Number or Project Nam	031.11-003	
PO favr ber		

Analys ONLY	is Method Requeste ONE METHOD per COC		Turn-around-time (circle one)			
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hy PLM	Shiptoned Interim Analyse (All ATPF #ATPF then by Lings of Sample Shipt Lange Protects Yes 1/2	Urg 66 Runn 165 43 176	00/5.	15- 30 639		
Fibers by PCM	'7400(Aren) ORM (Personal)	41148	24 tys	4		
Astrestos by TEM	· API; AHEBA Mod. AHER	A <6#45 =	24 hrs	3.5 097		
	Waler Stodge	1.5446	3-5 days	1LA		
	Armerit Chaifein Fut					
	Vacuum Dust (ASTM)	3.5 days	5-10 daps	†E'A		
Metals by	Analyte Pb Other	<6 tirs	2-3	E'A		
FLAA	Part: by Ares by Westa Sed West		days			
Station	Initial here certifying week used are A E1732 complete	STU				
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	(D'Count: But Swab Tape: Qualitative (*) Ture: Qualitative (co		C#p			
Dust	HiOSH 500	*4 (4.1	24 175	117		
Other	Market William Co.	Call	Cali	1 1 1 1 1		

Sample Number	Description/Location	Sample Date	Sample Time	Vol/Area
11 PMB Acm-COYd	Z'xz' white Ceiling tile	6-1-2011	1530	Liccort
2) RM3-HCM-005 e			1532	V
3) EMB-Acm-COLF	¥		1534	
1) PMB- HEM-6079	Black Care base + from Mustic		1536	
5) RMB-ACM-COS h			1538	
6) PMB-ACM-009;	V		1539	1
7) RMB-Acm-0101	Wallboard + Surface texture		1540	
E) PMB-ACM-CILLY			1543	
9) ENB-ACM-112L	V		1545	C.
10) PMA=nom-cola	white 12" Viny tilet brain Mostic		1548	2 (CC04
11) PMA-ACM-002 6		[1550	
121 EMA -ACOHU03 C			1553	1
	ZKZ ceiling tile white		1555	
14) RMA-AU11-005 P	[]		1556	
15) RMA-ACM-606 F	V		1558	1 / / /
16) PANA-FICA-007 9	black are base + brown mastir		1600	
17) PMA-Acm-oop h			1607	
18) BINA-HEM-LOG I	J.		1605	
19) END-ACM-CIGI	Wallboard + Surface texture		160%	
20) RMA-ACMI-011 K		V	1611	IV
	ISAC Bately 9-11 Time: /1 45 3) Relinguished by:		Date:	linet
2)Received by:	Date Time: 4) Received by:	Physics & Charles and Control of the	Date:	Tane:

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	TDENQUILLY I	

Fiberquant Analytical Services 5025 S. B. Phineia, AZ, 85040; Phone: 602-276 6139; PAX: 602-276-4558; GifaWillermant.com 5025 S. 33rt St.:

in Bessillike editer entar
Analysis Request/Chain-of-Custody Form
Substituting (Gordany) BEC Environmental, Inc
7660 W. Schara Ave 4150
W, suite 2000 LV NO 17
Phone 102-30-1- 7830 FAX 702-30-1-9539
ETEN KORIAN & LOCAN COM
Throws to (Company)
Address
C6), State, 20 Code
Priore FAX

Job Rumber or Preject Hame

PO liumber

Analy:	is Method Requested ONE METHOD per COC		ound-time le one)
		Rush	Home Ext
Asbestos\ by PLM	Anayze (AS) ATPF II ATPF then by Layer or Sampu Single Layer Frotocol Yes No	Ung <6 Bush for 1	1/3 15- 93/3 30 43/3
Fibers by PCM	7400(Areo) ORM (Personal)	44 hrs	24 hrs
Asbestus by TEM	AIR AHERA MOS AHERA	X5713	24 tm 35
	Water' Water Studge Annex2 : Charlield Full	12011	23
	Victora Dust (ASTM)	33 03/1	5-10 (17 .04ys
Metals by FLAA	Analyte. Pb Other Matrix: Filter MCE FG Pant by Area by Weight Soil Wipe Initial here certifying wipes used are AS E1792 compliant	c6 hrs	2.3
Fungi	Ar Sample: Zel Alor Other ID/Count. Buk Swab Tape, Qualitative (m.) Tape Disordistive (cm.)	<6775	1-2 10°
Dust	10034500	<4 t/s	24 hrs 103
Other		Caft	Call

Sample Number	Description/Location	Sample Date	Sample Time	Vol/Area
1) RMA-ACM-OIL L	wallboard of Surface levelure	6-1-2011	1615	Z10004
	12" Grey Unyl filet Mustic	,	1620	(
3) BRB-ACM-002 h		//	1622	\\
"BRB-ACT-CO3 C	V	//	1627	
5) GRB-ACM-004 d	Wallboard + Strace feetire		1630	
6)15/03-14cm-cos e			1633	
"BRB-HOM-006 F	N V		1638	
8) BRB-ACM-UST 9	black carebase + brain mustic	A	1642	
9) Beb-from-cos h	140	\	1645	
1013eB-Arm-009 i	V		1648	Q
11) GAR ALTE GIE IZ	3			- Andrew
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19)				
301				
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2 lagred and lay	base: 10-11 Parie: \$10 43Received by:		Date:	Time
* TEM Water: Sampler's name Required by State of Arizona	Print Name		Page 6	at 6

Review of Analysis Request (Initials)

Note: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

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APPENDIX G

LEAD BASED PAINT REGULATORY OVERVIEW

REGULATORY OVERVIEW FOR LEAD BASED PAINT

The USEPA and US Department of Housing and Urban Development (HUD) define lead based paint (LBP) as paints containing greater than 1.0 milligrams per square centimeter (mg/cm²) lead, or 0.5 percent lead by weight (% by weight), which is equivalent to 5,000 milligrams per kilogram (mg/kg) and 5,000 parts per million (ppm). Federal OSHA and Nevada OSHA regulations (Lead Construction Standard) do not provide a definition for "lead-based paint," but refer to the US EPA and HUD values discussed above. Nevada OSHA is primarily concerned with worker protection, and regulates any amount of lead contained within painted building components.

There are two OSHA lead standards. The OSHA Construction Lead Standard (29 CFR 1926.62) applies to new construction or renovation, demolition or salvage, installation of products that contain lead, and maintenance activities. The General Industry Standard (29 CFR 1910.1025) applies to non-construction activities.

The permissible exposure limit (PEL) for lead is 50 micrograms per cubic meter (µg/m³) of air averaged over an 8-hour time period. In addition to the PEL, there is also an action level of 30 µg/m³ of air averaged over an 8-hour time period. Employees who work in an area at or above the action level must receive medical surveillance and training on the hazards of working with lead. Therefore, demolition activities that include materials coated with lead paint in any concentration could, under certain circumstances, trigger Federal OSHA and Nevada OSHA regulations. Determination of airborne lead concentrations would require air monitoring by a trained lead professional during building material disturbance.

Results of the LBP survey should be provided to contractors and subcontractors performing work at the Site that may disturb lead-containing components that could generate airborne lead concentrations so that they can determine the OSHA Class category (I, II, or III) they need to plan for. The OSHA Classes are defined as follows.

Class I assumes exposure over the PEL (50 μ g/m³). Class I tasks include manual scraping or sanding, using a heat gun, and spray painting with lead paint.

Class II assumes exposure is at least ten times the PEL (500 µg/m³). Class II tasks include using lead containing mortar, burning lead, rivet busting, power tool cleaning without dust collection systems, and removal of an abrasive blasting enclosure.

Class III assumes exposure is at least fifty times the PEL (2,500 µg/m³). Class III tasks include abrasive blasting, cutting, welding, and torch burning.

APPENDIX H

LEAD BASED PAINT ANALYTICAL LABORATORY REPORT



Atomic Absorption Spectrometer (AAS) Analysis of Paint

JobNumber:

201105540

Client:

KLEINFELDER INC

6380 S POLARIS AVE

LAS VEGAS, NV

89118-3821

Office Phone:

(702) 736-2936

FAX:

6/9/2011

(702) 361-9094

Samples:

13

Rec: 6/3/2011 AA

Method: Modified SW 846 3050b/7420

Pb in paint by weight AA Analysis

Report Date:

Client Job: 117801/Bob Ruud Community Center

Date Analyzed:

6/8/2011

PO Number: 117801 Routing Number: -

Method and Analysis Information:

Fiberquant Internal SOP:

AApw

The received samples were analyzed for Pb (total) using "Test Methods for Evaluating Solid Waste" (SW 846, December 1996 updates). The extraction/digestion method was SW 3050b. The analytical method is "flame atomic absorption, direct aspiration", SW 7420... Briefly the procedures are as follows. The incoming paint samples are first homogenized by mixing and crushing. A sub-sample is weighed to 0.0001 gm into a 50ml centrifuge tube. To the run stream are added the quality assurance samples described below. Six mls of concentrated HNO3 and one ml of 30% H2O2 are added to each container. The tubes are caped and heated for 1 hour at 95 deg. C. After cooling, the contents of the centrifuge tube are brought up to exactly 25 mls, completing the digestion/extraction.

The sample and quality assurance extractions are then analyzed on a TJA M5 flame atomic absorption spectrometer. The wavelengths and other instrumental settings are set according to the manufacturer's recommendations, or as otherwise specified in the published method. Absorptions are recorded from sample and standard solutions. A calibration curve is fitted to at least three standard solutions, and the concentrations of the sample extracts are calculated from the curve. The ppm (ug/gm) and weight percent for each sample is calculated from the sub-sample weight, extract volume, and extract concentration.

The results from this analysis is generally compared to either the HUD guidelines, in which a sample is positive if it contains >0.5% (5000 ppm) Pb, or the Consumer Products Safety Commission (CPSC) limit, in which a paint pr surface coating containing greater than 90 ppm is defined as leadcontaining. The expected coefficient of variation for this method is approximately 20-30%. The results are reported to two significant figures. The Sample Reporting Limit (RL) listed below is twice the Sample Detection Limit, which is calculated for each sample from the experimentally determined Method Detection Limit. The limit of reliable quantitation is generally regarded as five to ten times the limit of detection. Therefore, samples smaller than 0.1 gm may give results too near the CPSC standard to be reliable. Problems in analysis or other information is provided in the "Analytical Notes" below. Blanks, if analyzed, are treated the same as samples and are not used for correcting non-blank results.

The following on-going quality assurance program was followed to ensure reproducible and dependable results: All analysts are degreed chemists trained extensively in-house for at least six months prior to un-supervised runs. Blank matrix samples are analyzed at a rate of 5% (at least one per run). Reference standards are analyzed at a rate of 5% (at least one per run), and compared to statistical records via control charts. Spiked matrix samples are analyzed at a rate of 5% (at least one per run), and compared to statistical records via control charts. Duplicate samples are analyzed at a rate of 5% (at least one per run), and compared to statistical records via control charts. For each instrumental run, the spectrometer is checked for sensitivity and stability. The calibration standards are made fresh weekly, and checked each run against a calibration verification standard from another source. All calculations are performed twice - once in a calibration spreadsheet, and once during the report generation, and also checked by hand. All quality checks performed for these samples were in control except as detailed in the "Analytical Notes" below. Fiberquant participates in the Environmental Lead Proficiency Analytical Testing (ELPAT) program, is accredited by AIHA-LAP, LLC for environmental lead in paint (Lab # 101593), and is recognized by the National Lead Laboratory Accreditation Program (NLLAP) for the analysis of Pb in paint. Accreditation does not imply endorsement by the EPA, any other United States governmental agency or any private agency or association. Each lab analysis refers only to the sample tested, and may not, due to the sampling process, be representative of the material sampled. This report may not be reproduced except in full, without the approval of Fiberquant Analytical Services.

Some results may have been calculated using client supplied data, such as volume or area sampled, for which Fiberquant assumes no liability for accuracy.

Job Analysis Notes:

Phone: 602-276-6139 1-800-743-2687 FAX: 602-276-4558

Calibration Curve:

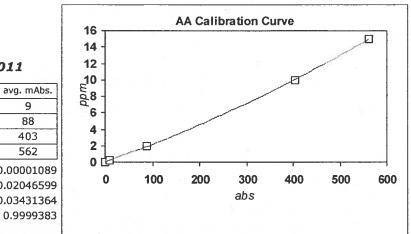
Pb

Run # 7890

Instrument: M5-2 6/8/2011

Stand	lards:	ppm	avg. mAbs.
	1	0.2	9
	2	2	88
	3	10	403
	4		562
	ах	:2	0.00001089
	t	X	0.02046599
		С	0.03431364

С R2



Analysis Results:

 	T
Job Number:	201105540

AApw

Lab Number	Client Number	Date	Condition	Weight (gm)	ug/mt	ml	Dil	Analyte	wt %	ppm	RL(ppm)
2011-05540- 1	LBP-01	6/1/2011	acceptable	0.1169	0.03431	25	1	Pb	<0.0043	<43	43
2011-05540- 2	LBP-02	6/1/2011	acceptable	0.1036	0.03431	25	1	Pb	<0.0048	<48	48
2011-05540- 3	LBP-03	6/1/2011	acceptable	0.1005	0.03431	25	1	Pb	<0.005	<50	50
2011-05540- 4	LBP-04	6/1/2011	acceptable	0.1001	0.13692	25	1	Pb	<0.005	<50	50
2011-05540- 5	LBP-05	6/1/2011	acceptable	0.1115	0.03431	25	1	Pb	<0.0045	<45	45
2011-05540- 6	LBP-06	6/1/2011	acceptable	0.1011	0.03431	25	1	Pb	<0.0049	<49	49
2011-05540- 7	LBP-07	6/1/2011	acceptable	0.1026	0.03431	25	1	Pb	<0.0049	<49	49
2011-05540- 8	LBP-08	6/1/2011	acceptable	0.1062	0.09581	25	1	Pb	<0.0047	<47	47
2011-05540- 9	LBP-09	6/1/2011	acceptable	0.1022	0.03431	25	1	Pb	<0.0049	<49	49
2011-05540- 10	LBP-10	6/1/2011	acceptable	0.1083	0.03431	25	1	Pb	<0.0046	<46	46
2011-05540- 11	LBP-11	6/1/2011	acceptable	0.1068	0.05479	25	1	Pb	<0.0047	<47	47
2011-05540- 12	LBP-12	6/1/2011	acceptable	0.1019	0.36456	25	1	Pb	0.0089	89	49
2011-05540- 13	LBP-13	6/1/2011	acceptable	0.15	0.03431	25	1	Pb	<0.0033	<33	33

Printed: 09-Jun-2011

Original Print Date: 08-Jun-2011

Approved Accreditation Signatory

FIBERQUANT	
A	NALYTICAL SERVICES
Fiberquant Analytical S Phoenix, AZ 85040; Phone: 602-276- info@fiberquant.com	
Analysis Request/Cha	in-of-Custody Form
Submitted by (Company) Kleinfelder	
Address 6380 S. Polaris Av	renue
City, State, Zip Code Las Vegas,	NV 89118
Phone 702-736-2936	FAX 702-361-9094
^{Emai} dburns@kleinfelde	r.com
Invoice to (Company) Kleinfelder	
Address 6380 S. Polaris Av	enue
City, State, Zip Code Las Vegas, N	NV 89118
Phone 702-260-5606	FAX 702-361-9094
Contact (print) Daniel Burns	

Job Number or Project Name 117801 / Bob Ruud Community

Center

PO Number 117801

	is Method Requested ONE METHOD per COC		around ircle one	
		Rush	Norm	Ext.
Asbestos by PLM	Improved Interim I Analyze All ATPF If so then by Layer or Sample Single Layer Protocol: Yes No	√6 hrs □	1-3 days	15- 30 days
Fibers by PCM	7400(Area) ORM (Personal)	4 hr	24hr	3-5d
Asbestos by TEM	AIR: AHERA 🗌 Mod. AHERA 🗍	<6hr	24 hr	3-5d
0, 12.7	Water [*] : Waler ☐ Sludge ☐	1-2d	3-5d	N/A
	Annex2 : Chatfield Full			
7	Vacuum Dust (ASTM)	3-5d	5-103	N/A
P5 by FLAA	Analyte: PbOther Matrix: Filter: MCE by Area by Weight with by Weight wit		23 (EX)	N/A
Fungi	Air Sample: Zef Aller Oth DID/Count: Bulk Swab Tape: Qual (%) Tape: Quant (cm2) Other	<6 hrs	days	N/A
Dust	NIOSH 500	<4hr	24h	N/A
Other		Call	Call	

Sample Number	Description/Location (Include agar (Yoelmakerlesp, Date)	Sample Date	Sample Time	Vol/Area
1)(137-01	Interior Stoge handrail /Blue	6/1/2011	0910	
2) LBP-02	white, interin wallboard	6/1/2011	0920	
3) LBP-03	white, intion 16"x8" come wall	6/1/2017	0935	
4) LBP-04	white intern 16"x3="Brickwell	6/1/2011	0945	
5) LBP-05	Tan; exterior roof flashing	6/1/2011	0955	
6) LBP-06	Brown, extern roof Clashus/trun	61,12011	1005	
11 LBP-07	tem; cextura Block wall	6/1/2011	1025	
8) LBP-08	Blue; extern stoop/stoirs	6/1/2011	1045	
9) LBP-09.	tan, intern undow caulle	6/1/204	1100	
10) LT3P-10	white; extern undow coulk	6/1/2011	1110	
11) (37-17	brown exterior wood railing	6/1/2011	1130	+
12) LBP-12	brown/green, roop cop flashing	6/1/2011	1140	
13) LBP-13	gron exterin undon ralk	6/1/2011	1145	
14)				
15)				
16)				
17)				
18)				
19)				
20)				
1) Relinquished by:	3-S Date 6/2/1, 19800 3) Relinquished by: U	PS Airbill	1877/11	Time:
2)Received by: UPS Airbill	Date:/3/1) Time: 4)Received by:	~~		Time 9:55/
* TEM Water: Sampler's name Required by State of Arizona	Print Name	0		, , ,

Review of Analysis Request (Initials)

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Rote: Data completed by client (including number and identity of samples) is assumed to be correct until it is verified at time of sample preparation.

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