Final

Asbestos Survey Update Report

C.R. Layton U.S. Army Reserve Center (FL005) 1125 Northeast 8th Avenue Gainesville, Florida

Contract No. W912QR-12-D-0027 Delivery Order Number 0002

Prepared for:



U.S. Army Corps of Engineers
Louisville District

Prepared by:



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And



Professional Service Industries, Inc. 1748 33rd Street Orlando, Florida 32839

June 2013

STATEMENT OF INDEPENDENT TECHNICAL REVIEW

PSI has completed the Final Asbestos Survey Update Report for the C.R. Layton U.S. Army Reserve Center (FL005), Gainesville, Florida.

Notice is hereby given that an independent technical review has been conducted that is appropriate to the level of risk and complexity inherent in the project. During the independent technical review, compliance with established policy principles and procedures, utilizing justified and valid assumptions, was verified. This included review of data quality objectives; technical assumptions; methods, procedures, and materials to be used; the appropriateness of data used and level of data obtained; and reasonableness of the results, including whether the product meets the customer's needs consistent with law and existing U.S. Army Corps policy.

Significant concerns and explanation of the resolutions are documented within the project file. As noted above, all concerns resulting from independent technical review of the project have been considered.

Christopher M. Hundley Principal Consultant

PSI

Colleen Reilly

Independent Technical Review Team Leader

CH2M HILL

Date: June 13, 2013

Date: June 13, 2013

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1 EXECUTIVE SUMMARY

Professional Service Industries, Inc. (PSI) was retained by TerranearPMC, LLC to conduct an asbestos survey update for asbestos-containing material (ACM) at the C.R. Layton U.S. Army Reserve Center (USARC) (FL005), located at 1125 Northeast 8th Avenue in Gainesville, Florida, 32601. This survey is an update of a previous survey conducted at the site on November 1992, for ACM by Pickering Environmental Consultants (Pickering). PSI's field inspection for the asbestos survey update was conducted on February 26, 2013.

The subject property is developed with an approximate 35,625 square-foot (SF), two-story steel and concrete masonry structure situated on a concrete slab-on-grade foundation. The original structure was reportedly constructed in approximately 1953 and was later extended to the south and east at an unknown date. The structure formerly served as the USARC administrative and training facility, and contains a large drill hall surrounded by smaller rooms such as offices, classrooms, storage rooms, kitchen, mechanical room, and restrooms. The basement contained the former firing range. The roof system on the structure is comprised of a flat built-up modified bitumen roof that exhibited numerous patches. The facility has been unoccupied since approximately 2011 and is proposed to be disposed of outside of the federal government.

The purpose of the survey is to provide updated information regarding the presence, condition, and estimated quantity of previously identified (either confirmed or assumed) ACMs located at the facility. In accordance with the project's scope of work, no samples were collected by PSI during this survey update.

Please note that PSI utilized the room numbers reflected in the 1992 survey and report; however, actual room numbers are stenciled on the door frames and are exhibited in parenthesis on the attached figures.

The following ACMs (greater than one percent [>1%] asbestos) were identified during the prior survey and were still present during this survey update:

- 12-inch by 12-inch green floor tile and associated mastic located in rooms 113, 214A, and computer closet within room 215A.
- 9-inch by 9-inch black floor tile and associated mastic located in stairwell 118 and lobby 117. PSI noted that the materials that were previously identified in the firing range have been removed. PSI also noted that the materials that were previously identified in rooms 120 and 121 are either covered or have been replaced by 12-inch by 12-inch light brown floor tile.
- 9-inch by 9-inch brown floor tile and associated mastic located in various rooms and offices throughout the facility. The material was observed in rooms 202, 203, 215, 216, and 218. PSI noted that the materials that were previously identified are covered by carpeting in rooms 101 and 102. PSI noted that the materials that were previously identified have been removed from room 217.

- Mastic underneath both 12-inch by 12-inch tan floor tile and 12-inch by 12-inch light brown floor tile located in rooms 100A, 101A, 102A, 103A, 112, 124, 131, 207, 208, 209, 210, 211, 212, 219A.
- A 1-inch woven gasket adhered to the seal of the arms vault door located in room 106A.
- Roof flashing material located along the perimeter of the building.
- Pipe insulation located throughout the first floor of the original building. PSI noted this material was removed throughout the open training area with the exception of two vertical risers outside room 210.
- Pipe fitting insulation located throughout the first floor of the original building and in the boiler room.
- Pipe insulation jacket and mastic located in room 201.

No suspect ACMs were assumed to be ACM during the previous survey.

The following suspect ACMs were not identified in the prior survey, but were observed by PSI during this survey update, and are assumed to be ACM until tested:

- Replacement 12-inch by 12-inch light brown floor tile located in rooms 120 and 121. Note that the floor tile appears to be homogenous with the non-ACM floor tile located in rooms 122, 123, 125, and 126; however, this material is suspected to have been installed at a later date, following the 1992 survey.
- Concrete block
- Concrete block mortar
- Carpet mastic
- Brick
- Brick mortar
- Ceramic tile mastic
- Ceramic tile grout
- Stair tread with mastic

The previously confirmed ACMs verified by PSI during the survey update were observed to be in good to fair condition at the time of the survey update field inspection, with the exception of the following, which were observed to be damaged.

 Approximately 1 percent total of the ACM pipe insulation has been damaged in rooms 101, 102, 110, and the firing range 124. PSI recommends repairing the damaged pipe insulation. ACM's should be maintained in a good, non-damaged condition through use of an Operations and Maintenance (O&M) program. Regulated ACM (RACM) must be properly removed by a licensed asbestos abatement contractor prior to renovations or demolition that would disturb the material. Federal, State, and Local regulations and guidelines should be strictly adhered to when removing the ACM.

In many areas, U.S. Environmental Protection Agency (USEPA) Category I & II non-friable ACMs in good condition do not need to be removed prior to demolition. However, if demolition practices will cause the materials to be cut, sanded, ground, or abraded, or otherwise made friable, they should be treated as RACM and removed prior to demolition. If non-friable ACMs are not removed prior to demolition, the generated debris cannot be recycled or used as clean-fill.

In addition, prior to any future maintenance, renovation, or demolition activities, any assumed ACMs should be tested, and any areas noted as inaccessible during this project, or any concealed areas, such as behind walls, where suspect ACMs are discovered, will require a survey for ACM.

2 INTRODUCTION

2.1 SCOPE OF SERVICES

PSI was retained by TerranearPMC, LLC to conduct an asbestos survey update for the U.S. Army Corps of Engineers (USACE) Louisville District and the 81st U.S. Army Reserve (USAR) Regional Support Command (81st RSC) at the C.R. Layton USARC (FL005). The USARC is located at 1125 Northeast 8th Avenue in Gainesville, Florida, 32601 and is comprised of one structure.

The scope of services for this project consisted of conducting an update of a prior asbestos survey, including inspection, current condition assessment, and quantification of accessible previously identified (either confirmed or assumed) suspect ACM from interior and exterior components of all structures at the facility. No sampling or analysis was conducted within the scope of this survey update.

The survey update was conducted in accordance with the *Final Work Plan Environmental Property Disposal Documentation for the 81, 88, 99 RSCs and PR Non-BRAC Sites* (Work Plan) (TerranearPMC 2013) and included:

- Review of client-provided records or documents
- Interviews with available building management/maintenance personnel as identified by the 81st RSC
- Visual inspection of the subject area(s)
- Quantification of ACMs
- Assessment of the physical condition of ACMs and exposure potential
- Report preparation and review.

2.2 PURPOSE

The purpose of this survey was to update the facility's existing asbestos survey, in accordance with the U.S. Army's Installation Asbestos Management Program (Public Works Technical Bulletin 420-70-8) (U.S. Army 1998), which requires that a periodic inspection for ACM be performed every 12 months.

2.3 **AUTHORIZATION**

Authorization to perform this work was given on January 14, 2013 by Theresa C. Doyle, Vice President of TerranearPMC, LLC. The project was conducted in accordance with the scope, terms, and conditions of PSI Proposal No. 0888-78086, dated September 7, 2012, and the Subcontracting Services Agreement between TerranearPMC, LLC and PSI, Agreement No. PSI46142, revised December 26, 2012, and under TerranearPMC, LLC's prime contract with the USACE (Contract Number W912QR-12-D-0027, Delivery Order Number 0002).

2.4 LIMITATIONS

This asbestos survey was not intended to meet the requirements of the USEPA National Emissions Standards for Hazardous Air Pollutants (NESHAP) for asbestos demolition or renovation. The survey included a thorough visual inspection of accessible areas of the facility that were previously surveyed for ACMs. In accordance with the project scope of work, no samples were collected during this survey update.

Due to the potential future occupancy of the facility, and the scope of the assessment, PSI did not conduct destructive investigation, such as behind finished surfaces (plaster/drywall walls, above hard ceilings, etc.), inside mechanical chases, behind mirrored walls, under carpet or tiled floors, inside wall cavities, above plaster ceilings, etc.; therefore, the inspection was limited to areas that were accessible and exposed.

Roof systems were included in the scope of this survey as a visual assessment only.

PSI also did not inspect any system which presented a hazard to the inspection team, such as energized electrical systems or within confined spaces.

2.5 WARRANTY

PSI warrants that the findings contained herein have been prepared in general accordance with accepted professional practices at the time of its preparation as applied by professionals in the community, and meets the quality objectives of the scope of this survey. Changes in the state-of-the-art or in applicable regulations cannot be anticipated and have not been addressed in this report.

The survey methods have been used to provide USACE and the 81st RSC with information regarding the presence of accessible and/or exposed suspect ACM existing at the time of the inspection. There is a distinct possibility that conditions may exist that could not be identified within the scope of the study or that were not apparent during the field inspection. This inspection covered only those areas that were exposed and/or physically accessible to the inspector. The study is also limited to the information available from USACE and 81st RSC at the time it was conducted.

No other warrantees are implied or expressed.

3 GENERAL BUILDING AND SURVEY INFORMATION

3.1 BUILDING INFORMATION

Subject Property C.R. Layton USARC (FL005)

1125 NE 8th Avenue Gainesville, FL 32601

Facility Construction Date Approximately 1953

<u>Previous Renovation Dates</u>
Addition date unknown

Number of Buildings 1

Number of Floors Two-story structure situated on a concrete

slab-on-grade foundation

Estimated Square Footage Approximately 35,625 SF, inclusive of

addition

Construction Type Concrete masonry unit (CMU) construction

with flat modified bitumous roof levels

Building Occupant(s) Unoccupied since approximately 2011

Additional Information Prior ACM survey report was provided and

is discussed further throughout this report

3.2 INSPECTION INFORMATION

Name of PSI Inspector(s) Mr. John Clary

Certification No. 156164

<u>Date of Inspection</u> February 26, 2013

Escort Mr. Nicholas Ivey, Alpha Facilities

Solutions

4 METHODOLOGY

The Inspection procedures were performed in general accordance with the guidelines published by the USEPA and in accordance with the Work Plan. The inspection and survey described below were performed by a USEPA accredited and State of Florida inspector. A copy of the inspector's certification is included in Appendix D.

4.1 RECORD DOCUMENT REVIEW & INTERVIEWS

4.1.1 RECORD DOCUMENT REVIEWS

Prior to conducting the visual inspection, PSI reviewed the following documents provided by the 81st RSC:

 An untitled asbestos report for an asbestos survey conducted by Pickering Environmental not dated (attached lab reports indicate sample collection date of October 22, 1992).

This data was used to focus the walk through and scope of work to be followed over the course of our visual inspection and sampling. Where prior sampling was conducted, this information was incorporated into PSI's survey. Information obtained from the references is included in the findings section of the report. A copy of the prior asbestos survey document is included in Appendix C.

The prior asbestos survey report prepared by Pickering Environmental reported that 69 samples were collected, in which 39 samples were identified as asbestos-containing (Pickering 1992). No materials in the building were presumed to contain asbestos in the prior report. The findings of this report are summarized in Tables 1 and 2 of this report.

PSI's review of the data from the previous report indicated that the data generally appeared reliable. The following discrepancies or deficiencies were noted between the prior report and PSI's February 26, 2013 field inspection:

- PSI observed suspect 12-inch by 12-inch light brown floor tile (located in rooms 120 and 121), concrete block and mortar (throughout facility), carpet mastic (rooms 101 and 102), brick and brick mortar (throughout facility), ceramic tile mastic and ceramic tile grout (bathrooms and locker rooms), and stair tread with mastic (northeast and southwest stairwells) that were not previously identified by Pickering; therefore, they are assumed to be ACM.
- The 9-inch by 9-inch black floor tiles and associated mastic that were present in the rifle range have been removed.
- The 9-inch by 9-inch black floor tiles in rooms 120 and 121 are either covered or replaced by 12-inch by 12-inch light brown floor tile.
- The 12-inch by 12-inch green floor tile previously identified by Pickering was observed by PSI to also be present in the computer closet within room 215A.

- The 9-inch by 9-inch brown floor tiles and associated black mastic present in rooms 101 and 102 are beneath carpeting.
- The pipe insulation present in the open training area has been removed, with the exception of two vertical risers outside room 210.

4.1.2 INTERVIEWS

The following site personnel familiar with the site's history were interviewed as part of this survey:

Mr. Nicholas Ivey with Alpha Facilities on February 26, 2013.

Mr. Ivey had no direct knowledge regarding removal and/or replacement of the roof or other previously identified ACM since 1992. No additional interview information was provided regarding the history and use of the site; knowledge regarding any building renovation; or, expansion and removal of ACMs beyond what was obtained from our review of the provided prior reports.

4.2 VISUAL INSPECTION PROCEDURES

During the February 26, 2013 field inspection, an initial individual building structure walk through was conducted to determine the presence of suspect ACMs that were accessible and/or exposed.

As defined by USEPA, suspect materials which were similar in color, texture, general appearance and which appear to have been installed at the same time are considered "homogeneous materials" and were grouped in Homogeneous Sampling Areas. During the initial walk through, the approximate locations of suspect homogeneous materials were noted. Representative photographs were taken of each homogeneous material found to be present during the survey update field inspection that was confirmed to be ACM during the previous ACM survey. These photographs are included in Appendix B. The photograph of the jacketed pipe insulation did not develop properly and are subsequently not included.

The inspection was limited to those areas and materials that were accessible and did not involve destruction of walls, other building elements, physical barriers, or the structural integrity of the item being tested. Spaces not intended for human occupation under normal building operations and that would require a confined entry permit were not accessed.

Destructive investigation, such as behind finished surfaces (plaster/drywall walls, above hard ceilings, etc.); inside mechanical chases, behind mirrored walls, under carpet or tiled floors, etc., was generally not conducted to try to assess inaccessible or concealed materials. Although PSI made an attempt to identify all areas of ACM, an exhaustive investigation of void spaces was not included in the scope of services for this project. There may exist conditions which were unable to be identified within the scope of this survey.

The inspector evaluated the overall condition of each homogeneous material and determined whether the materials were friable or non-friable by touching the material, where practical. A friable material is defined as any material able to be crushed, crumbled, pulverized, or reduced to a powder by hand pressure when dry.

Each material was further assessed for overall condition. Conditions were rated as good, fair, or poor. PSI's inspector also identified the USEPA classification of the material: RACM, Category I non-friable ACM, and Category II non-friable ACM, based on the current condition of the material. In accordance with the Work Plan, the inspector estimated the quantities of the suspect materials, based only on materials that were accessible and exposed.

PSI's inspector also identified any other suspect ACMs that were not assessed in the provided previous asbestos survey report; however, per the scope of work for this survey update, no assessment of condition or estimated quantities were conducted of these materials.

4.3 ASBESTOS SAMPLING PROCEDURES

Per the project scope of work, samples were not collected by PSI.

4.4 ASBESTOS ANALYSIS PROCEDURES

Per the project scope of work, samples were not analyzed by PSI.

5 FINDINGS

5.1 ASBESTOS RESULTS

Both confirmed and assumed ACMs were identified at the C.R. Layton USARC (FL005) during the survey update field investigation.

Table 1 lists the ACMs that were previously sampled, along with the current observations of their location, condition, friability, USEPA NESHAP Category, and estimated quantities. This table lists only previously confirmed ACMs. Information and details of other suspect materials that were previously tested and determined to be non-ACM can be found in the prior survey report in Appendix C.

The following ACMs (>1% asbestos) were identified during the prior survey and were still present during this survey update:

- 12-inch by 12-inch green floor tile and associated mastic located in rooms 113, 214A, and computer closet within room 215A.
- 9-inch by 9-inch black floor tile and associated mastic located in stairwell 118 and lobby 117. PSI noted that the materials that were previously identified in the firing range have been removed. PSI also noted that the materials that were previously identified in rooms 120 and 121 are currently either covered or have been replaced by 12-inch by 12-inch light brown floor tile.
- 9-inch by 9-inch brown floor tile and associated mastic located in various rooms and offices throughout the facility. The material was observed in rooms 202, 203, 215, 216, and 218. PSI noted that the materials that were previously identified are covered by carpeting in rooms 101 and 102. PSI noted that the materials that were previously identified have been removed from room 217.
- Mastic underneath both 12-inch by 12-inch tan floor tile and 12-inch by 12-inch light brown floor tile located in rooms 100A, 101A, 102A, 103A, 112, 124, 131, 207, 208, 209, 210, 211, 212, 219A
- A 1-inch woven gasket adhered to the seal of the arms vault door located in room 106A.
- Roof flashing material located along the perimeter of the building.
- Pipe insulation located throughout the first floor of the original building. PSI noted the material was removed throughout the open training area, with the exception of two vertical risers outside room 210.
- Pipe fitting insulation located throughout the first floor of the original building and in the boiler room.
- Pipe insulation jacket and mastic located in room 201.

The following suspect ACMs were not identified in the prior survey, but were observed by PSI during this survey update, and are assumed to be ACM until tested. These are also listed in Table 2.

- Replacement 12-inch by 12-inch light brown floor tile located in rooms 120 and 121. Note that the floor tile appears to be homogenous with the non-ACM floor tile located in rooms 122, 123, 125, and 126; however, this material is suspected to have been installed at a later date, following the 1992 survey.
- Concrete block
- Concrete block mortar
- Carpet mastic
- Brick
- Brick mortar
- Ceramic tile mastic
- Ceramic tile grout
- Stair tread with mastic

The confirmed or assumed ACMs were observed to be in good to fair condition at the time of the survey update field inspection. Approximately 1 percent total of the ACM pipe insulation has been damaged in rooms 101, 102, 110, and the firing range.

The locations of confirmed and assumed ACM observed during PSI's February 26, 2013 field inspection are shown in the figures included in Appendix A. The figures reflect the changed conditions from the previous survey. A photographic log, showing the current condition of confirmed ACM identified in the previous survey report, is included in Appendix B.

5.1.1 INACCESSIBLE AREAS

The following areas were inaccessible during the survey and; therefore, were not inspected as part of this survey update:

 Behind walls and hard ceilings (destructive investigation not included in scope of this assessment).

5.1.2 NON-SUSPECT MATERIALS

The following materials were observed but are considered 'non-suspect' ACM due to their composition (fiberglass, rubber, etc.):

• Fiberglass pipe insulation runs in the boiler room.

5.1.3 QUANTIFICATION

Verification of identified and assumed ACM quantities was conducted using visual estimation by a PSI, USEPA accredited asbestos inspector. This visual estimation was

C.R. Layton USARC (FL005) Gainesville, Florida

performed in accordance with the Work Plan and generally accepted practices in the asbestos industry based on materials that were accessible and exposed. The values are sufficiently accurate for the purpose of documenting the presence of asbestos within its space for the purpose of identifying abatement control conditions or for general policy considerations. Actual quantities may differ between visually estimated values and physical measurements. If a licensed asbestos abatement contractor is engaged to remove ACMs, the abatement contractor is responsible for verifying reported quantities of ACM.

6 RECOMMENDATIONS

Based on the previously assumed ACM documented in prior asbestos survey reports provided to PSI that were observed at the subject site during this asbestos survey update, PSI recommends the following:

- Confirmed and assumed ACMs should be maintained in a good non-damaged condition and periodically inspected through the use of an O&M program while they remain in the building.
- The confirmed ACM floor tile (Category I Non-friable ACM), floor tile mastic (Category II Non-friable ACM), pipe insulation jacket with mastic (Category II Non-friable ACM) and roof flashing material (Category I Non-friable ACM) should be properly maintained (i.e. not sanded, abraded, sawn or broken). Prior to any future maintenance, renovation or demolition activities that will impact the ACM, they should be properly removed by a licensed asbestos abatement contractor prior to renovation or demolition activities that would disturb the material. Federal, State and Local regulations and guidelines should be strictly adhered to when removing ACM.
- The confirmed ACM pipe and fitting insulation and gasket material (RACM) must be properly removed by a licensed asbestos abatement contractor prior to renovation or demolition activities that would disturb the material. Federal, State and Local regulations and guidelines should be strictly adhered to when removing ACM.
- Any areas that were noted as being inaccessible during this project or any concealed areas, such as behind walls, will require a survey for ACM prior to future renovation or demolition activities that may impact those areas.
- Category I & II Non-friable ACM may often be left in place during demolition if not made friable by cutting, grinding or sanding. If left in place, these materials and associated waste cannot be recycled or used as clean fill and must be disposed of at a facility that accepts asbestos contaminated waste.

This report is respectfully submitted by,

PROFESSIONAL SERVICE INDUSTRIES, INC.

John Clary

Asbestos Building Inspector

Christopher M. Hundley Principal Consultant

7 REFERENCES

Pickering Environmental Consultants. 1992. *Untitled survey report for asbestos and lead based paint*. October.

TerranearPMC, LLC. 2013. Final Work Plan, Environmental Property Disposal Documentation for the 81, 88, 99 RSCs and PR Non-BRAC Sites. January.

U.S. Army Center for Public Works. 1998. *Public Works Technical Bulletin No. 420-70-8 Installation Asbestos Management Program.* March.

U.S. Army Corps of Engineers. 2000. *Engineer Pamphlet 1110-1-22. Asbestos Surveys and Assessments, Standard Scope of Work.* September.

TABLES

TABLE 1—CONFIRMED ACMS—PREVIOUSLY SAMPLED BY PICKERING

C.R. LAYTON USARC—GAINESVILLE, FL (FL005)

PSI SURVEY DATE: FEBRUARY 26, 2013

Material Number	Sampled by and date	Material Description	Material Location	F/NF¹	Current Condition ²	% Asbestos & Type ³	USEPA NESHAP Category ⁴	Estimated Current Quantity ⁵
01	Pickering, October 22, 1992	Pipe insulation	Rooms 101, 102, 103, 106, 107, 110, 112, 113, 114, 115, 117, 118, firing range, 120, 121, 122, 123, 124, 125, 126, 127, 131, 221	F	Good	36% to 54% Chrysotile	RACM	1,050 LF
02	Pickering, October 22, 1992	Pipe fitting insulation	Rooms 101, 102, 103, 106, 107, 110, 112, 113, 114, 115, 117, 118, firing range, 120, 121, 122, 123, 124, 125, 126, 127, 131	F	Good	9% to 63% Chrysotile, 3% to 5% Amosite	RACM	40 SF
03	Pickering, October 22, 1992	Pipe insulation	Rooms 101, 102, 103, 106, 107, 110, 112, 113, 114, 115, 117, 118, firing range, 120, 121, 122, 123, 124, 125, 126, 127, 131, 221	F	Good	36% to 68% Chrysotile	RACM	525 LF
04	Pickering, October 22, 1992	Pipe fitting insulation	Rooms 101, 102, 103, 106, 107, 110, 112, 113, 114, 115, 117, 118, firing range, 120, 121, 122, 123, 124, 125, 126, 127, 131	F	Good	14% to 23% Chrysotile, 2% to 36% Amosite	RACM	40 SF
05	Pickering, October 22, 1992	Pipe insulation	Rooms 101, 102, 103, 106, 107, 110, 112, 113, 114, 115, 117, 118, firing range, 120, 121, 122, 123, 124, 125, 126, 127, 131, 221	F	Good	5% to 36% Chrysotile	RACM	1,500 LF
06	Pickering, October 22, 1992	Pipe fitting insulation	Rooms 101, 102, 103, 106, 107, 110, 112, 113, 114, 115, 117, 118, firing range, 120, 121, 122, 123, 124, 125, 126, 127, 131, 221	F	Good	10% to 32% Chrysotile 10% to 18% Amosite	RACM	150 LF
07	Pickering, October 22, 1992	Pipe fitting insulation	Boiler room 119	F	Good	<1% Chrysotile 5% Amosite	RACM	40 SF

TABLE 1—CONFIRMED ACMS—PREVIOUSLY SAMPLED BY PICKERING

C.R. LAYTON USARC—GAINESVILLE, FL (FL005)

PSI SURVEY DATE: FEBRUARY 26, 2013

Material Number	Sampled by and date	Material Description	Material Location	F/NF¹	Current Condition ²	% Asbestos and Type ³	USEPA NESHAP Category ⁴	Estimated Current Quantity ⁵
09	Pickering, October 22, 1992	1-inch gasket material	Arms vault door room 106A	NF	Good	65% Chrysotile	RACM	24 LF
11	Pickering, October 22, 1992	Roof flashing material	Throughout roof edges	NF	Good	5% Chrysotile	Cat I NF	700 SF
16	Pickering, October 22, 1992	12-inch by 12-inch light brown floor tile and associated mastic	Rooms 112, 120 ⁶ , 121 ⁶ , 131, 207, 208, 209, 210, 211, 212, 214A, 219A, 100A, 101A, 102A, 103A	NF	Good	Mastic: 30% Chrysotile	Cat I/II NF	3,200 SF
17	Pickering, October 22, 1992	9-inch by 9-inch black floor tile and associated mastic	Stairwell 118, lobby 117, firing range ⁷	NF	Good	8% to 11% Chrysotile	Cat I/II NF	300 SF
18	Pickering, October 22, 1992	9-inch by 9-inch brown floor tile and associated mastic	Rooms 202, 203, 215, 216, 218, 101 ⁸ , 102 ⁸	NF	Good	26% Chrysotile	Cat I/II NF	1,800 SF
19	Pickering, October 22, 1992	12-inch by 12-inch green floor tile and associated mastic	Rooms 113, 214A, 215A	NF	Good	5% to 66% Chrysotile	Cat I/II NF	720 SF
21	Pickering, October 22, 1992	12-inch by 12-inch tan floor tile and associated mastic	Rooms 100A, 101A, 102A, 103A, 112, 124, 131, 207, 208, 209, 210, 211, 212, 219A	NF	Good	Mastic: 30% Chrysotile	Cat I/II NF	4,150 SF
23	Pickering, October 22, 1992	Pipe insulation jacket and mastic	Room 201	NF	Good	15% Chrysotile	Cat II NF	20 SF

F=Friable; NF=Non-friable

² Cond.=Condition of Materials; either good, fair or poor

³ Sample results were obtained from the prior asbestos survey report provided by the 81st RSC. Results represent composite samples of homogeneous materials.

⁴ NESHAP Category=Regulated ACM (RACM), Cat I NF=Category I Non-Friable ACM, Cat II NF= Category II Non-Friable ACM

⁵ SF=square feet, LF=linear feet

Floor tile was either covered with carpet or replaced. The floor tile and mastic in these areas were previously reported as 9-inch by 9-inch black floor tile but was inaccessible during PSI's site inspection.

⁷ Floor tile and mastic in these areas have been removed

⁸ Floor tile was covered with carpet

TABLE 2—ACMS—ASSUMED BY PSI

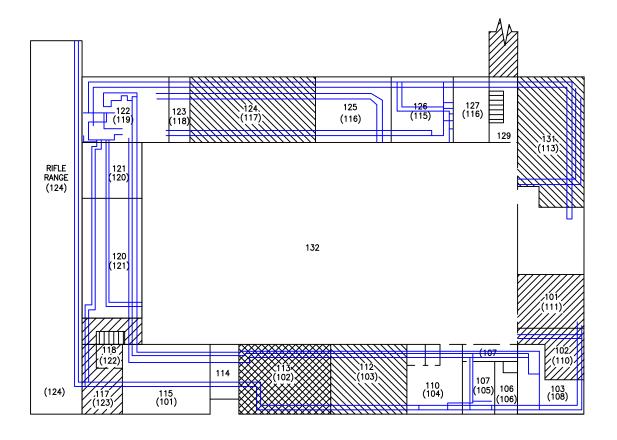
No ACMs were previously assumed by Pickering Environmental during the prior survey. The following suspect ACMs were not identified in the previous asbestos survey(s), but were observed by PSI during this field investigation, and are assumed to be ACM until tested:

USARC

- Replacement 12-inch by 12-inch light brown floor tile
- Concrete block
- Concrete block mortar
- Carpet mastic
- Brick
- Brick mortar
- Ceramic tile mastic
- Ceramic tile grout
- Stair tread and mastic

APPENDIX A—SITE LAYOUT AND EXTENT OF ACM DRAWING(S)

FIGURE NO.:



LEGEND

9" x 9" ACM FLOOR TILE AND MASTIC

ACM MASTIC UNDER NON-ACM FLOOR TILE

12" X 12" ACM FLOOR TILE AND MASTIC

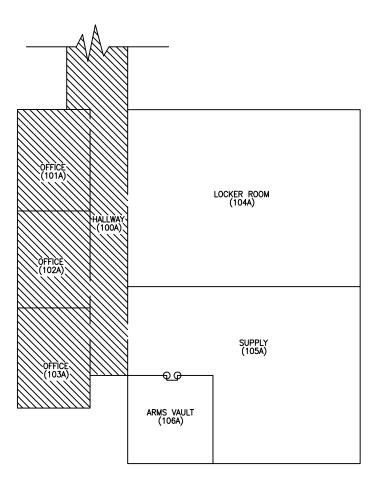
ACM PIPE INSULATION AND PIPE FITTING

STENCILED ROOM NUMBERS IN PARENTHESES



ASBESTOS UPDATE SURVEY MAIN BUILDING, FIRST FLOOR C.R. LAYTON USARC GAINESVILLE, ALACHUA COUNTY, FLORIDA

CHKD. BY: JHC DRAWN BY: SMD DATE: 03/08/13 SCALE: N.T.S. PROJECT NO.: 06631693 REVISION: NORTH



LEGEND

ASBESTOS-CONTAINING FLOOR TILE MASTIC

STENCILED ROOM NUMBERS IN PARENTHESES

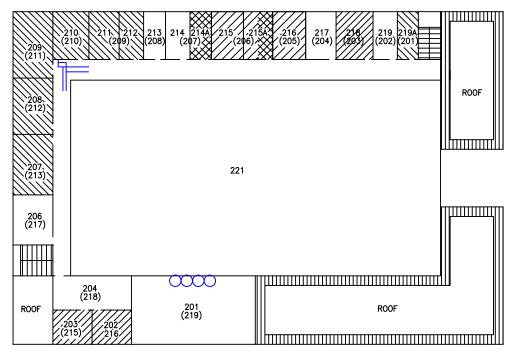
PP ACM 1" WOVEN DOOR GASKET



ASBESTOS UPDATE SURVEY MAIN BUILDING, 1ST FLOOR, NATIONAL GUARD ANNEX C.R. LAYTON USARC

GAINESVILLE, ALACHUA COUNTY, FLORIDA

CHKD. BY: JHC | DRAWN BY: SMD | DATE: 03/08/13 | SCALE: N.T.S. | PROJECT NO.: 06631693 | REVISION: | FIGURE NO.: 2



LEGEND

9" x 9" ACM FLOOR TILE AND MASTIC

ACM MASTIC UNDER NON-ACM FLOOR TILE

12" X 12" ACM FLOOR TILE AND MASTIC

ACM ROOF FLASHING

ACM JACKETED PIPE INSULATION

ACM PIPING (HORIZONTAL RISERS)

STENCILED ROOM NUMBERS IN PARENTHESES



ASBESTOS UPDATE SURVEY MAIN BUILDING, SECOND FLOOR C.R. LAYTON USARC

GAINESVILLE, ALACHUA COUNTY, FLORIDA

CHKD. BY: JHC | DRAWN BY: SMD | DATE: 03/08/13 | SCALE: N.T.S. | PROJECT NO.: 06631693 | REVISION: | FIGURE NO.:

APPENDIX B—PHOTOGRAPHS



Photo 1: Front of USARC Building. Confirmed ACM: roof flashing material



Photo 2: Confirmed ACM: 12-inch by 12-inch green floor tile and mastic



Photo 3: Confirmed ACM: 9-inch by 9-inch black floor tile and mastic

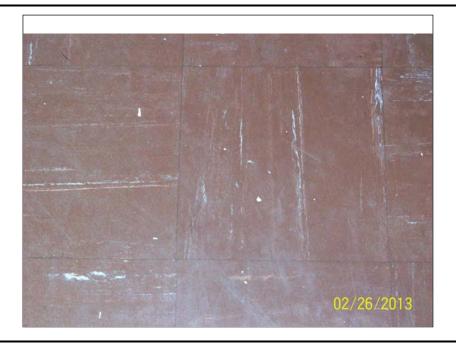


Photo 4: Confirmed ACM: 9-inch by 9-inch brown floor tile and mastic



Photo 7:Confirmed ACM: mastic underneath12-inch by 12-inch tan floor tile



Photo 8: Confirmed ACM: woven gasket adhered to the seal of the arms vault door



Photo 9: Confirmed ACM: pipe insulation (please note dislodged section)



Photo 10: Confirmed ACM: pipe insulation. (Please note damage)



Photo 11: Confirmed ACM: pipe fitting insulation

APPENDIX C—PRIOR REPORTS

FACILITY:

C.R. Layton, USARC Gainesville, Florida

Training Center

SQUARE FOOTAGE:

24,468 square feet

FINDINGS:

The training center is a two-story steel and masonry structure resting on a concrete slab foundation. The roof is supported by steel joists and is covered by a flat, built-up roofing system with a top layer of gravel. The building was built in 1954 and is currently being used as administration offices and training facilities.

THERMAL SYSTEMS INSULATION:

The building's pipe insulation materials were sampled and analyzed to contain from 5 to 68% chrysotile asbestos with the exception of the fiberglass pipe insulation materials found in the newly renovated boiler room. Approximately 4,175 linear feet of asbestos-containing insulation exists in the remainder of the building in very good condition with minimal damage at the time of the survey.

The facility's pipe fitting materials were sampled outside the boiler room. Analysis revealed asbestos contents 2 to 36% amosite asbestos and 9 to 63% chrysotile asbestos. Some 308 fittings were evident at the facility and were in good to very good condition.

The pipe fitting insulation in the boiler room was installed more recently than the rest of the building's thermal system insulation. This material was sampled three times, two of which were analyzed to contain no detectable amounts of asbestos. The third sample, however, was analyzed to contain 5% amosite asbestos and a trace of chrysotile. The 40 fittings in the mechanical room were in excellent condition at the time of the survey but should still be considered as asbestos-containing due to the positive sample result.

Pipe insulation jacket and mastic materials were sampled in Room 215 at an abandoned air handling unit. This 20 linear feet of material was analyzed to contain 15% chrysotile asbestos. The insulation was in good condition with no damage at survey time.

FLOOR COVERINGS:

Green 12" x 12" floor tile and mastic was sampled in Rooms 113 and 214A and analyzed to contain 5 to 6% chrysotile asbestos. The 720 square feet of material was in good condition with no damage at the time of the survey.

Black 9" x 9" floor tile and mastic was sampled in and around the gun range. Analysis revealed asbestos contents of 8 to 11% chrysotile asbestos. The 2,250 square feet of material was in good condition with minor damage.

Brown 9" x 9" floor tile and mastic was evident in various offices and rooms throughout the facility. Samples from the 1,800 square feet of material were analyzed to contain 11 to 26% chrysotile asbestos. The material was in good condition with only a small amount of damage.

Floor tile mastic underneath tan 12" x 12" and light brown 12" x 12" tiles was sampled and analyzed to contain 30% chrysotile asbestos. This 4,150 square feet of material is in good condition and is protected by the overlaying tile.

GASKET MATERIAL:

A one inch wide woven gasket was adhered to the seal of the ammunition vault door. This 24 linear feet of material was sampled and analyzed to contain 65% chrysotile asbestos and is in good condition with no damage at survey time.

ROOFING:

During the laboratory analysis, a black material was culled from of the flashing samples and analyzed to contain 5% chrysotile asbestos. The 700 square feet of material was in good condition with no damage at the time of the survey.

NEGATIVE MATERIALS:

Sink sound insulation, built-up roofing, suspended ceiling tiles, cove base materials and mastics, window putty, and white, tan, grey and light brown 12" x 12" floor tiles were all suspect materials sampled and analyzed to contain no detectable amounts of asbestos present.

RECOMMENDATIONS:

All materials found to contain asbestos at this facility were in good to excellent condition with minimum damage at the time of the survey. The damaged areas can be easily repaired through a proper Operations and Maintenance program and could be maintained in their present condition with minimal effort. Should un-repairable damage occur, or should building renovation or demolition be scheduled that would affect the current good condition of the defined asbestos materials, a fully qualified asbestos abatement professional should be contracted for the removal work.

FACILITY:

C.R. Layton USARC Gainesville, Florida

Training Center

SQUARE FOOTAGE:

24,468 Square Feet

FINDINGS:

The training center is a two-story steel and masonry structure resting on a concrete slab foundation. The roof is supported by steel joists and is covered by a flat, built-up roofing system with a top layer of gravel. The building was built in 1954 and is currently being used as administration offices and training facilities.

LEAD BASED PAINT CONTAINING MATERIALS:

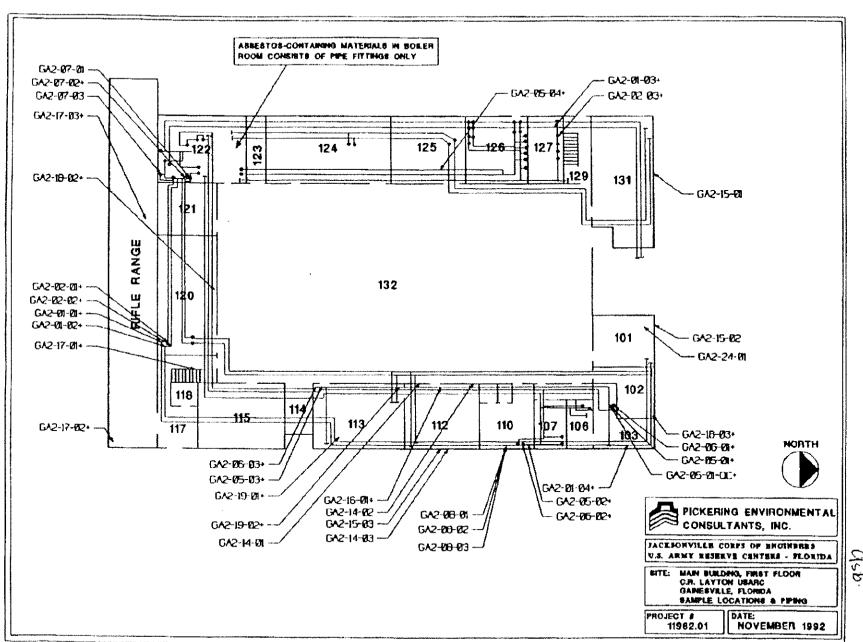
Analysis of the following material samples indicated a lead content at or above the 0.5% action level:

- 1) Maroon paint on an exterior window frame was analyzed to contain 1.4% lead by weight.
- 2) Red primer paint on the metal roll-up door frame was analyzed to contain 1.2% lead by weight.
- 3) Yellow paint on the hazard markers at the metal roll-up door frame was analyzed to contain 0.890% lead by weight.
- 4) Black paint on the metal deflection wall in the gun range was analyzed to contain 9.6% lead by weight.
- 5) Sand in the gun range pit was also tested for lead. This material was analyzed to contain 2.1 to 7.9% lead by weight.

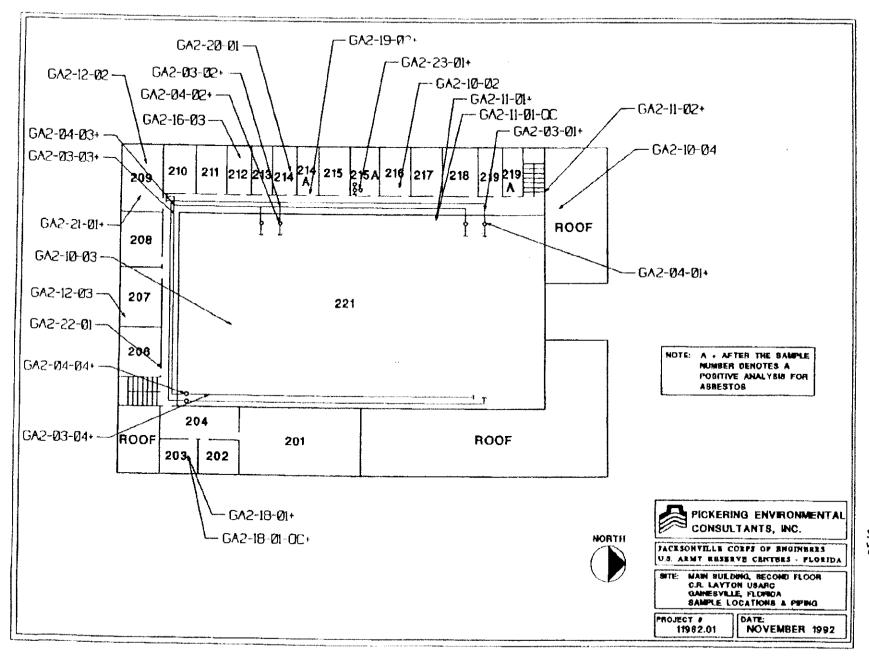
NEGATIVE MATERIALS:

 Brown paint on interior walls Tan paint on interior door Tan paint on interior door Tan paint on interior door frame Light green paint on interior walls Tan paint on stair handrail Green paint on bathroom wall Light green paint on interior walls Grey paint on interior walls 	on interior walls 9. Brown paint on pipe	
4. Tan paint on interior door frame 12. Light green paint on interior walls	interior walls 10. Tan paint on interior window fram)e
	erior door 11. Green paint on bathroom wall	
5. Tan paint on stair handrail 13. Grey paint on interior walls		
	ir handrail 13. Grey paint on interior walls	
6. White paint on pipe insulation 14. White paint on kitchen walls jacket	pipe insulation 14. White paint on kitchen walls	
7. Tan paint on radiator cover 15. Yellow paint on walls in Room 10	iator cover 15. Yellow paint on walls in Room 10)6
8. Tan paint on pipe 16. Chartreuse paint on walls in the gu	1	

Jacksonville COE Various, Florida Lead Based Paint Survey

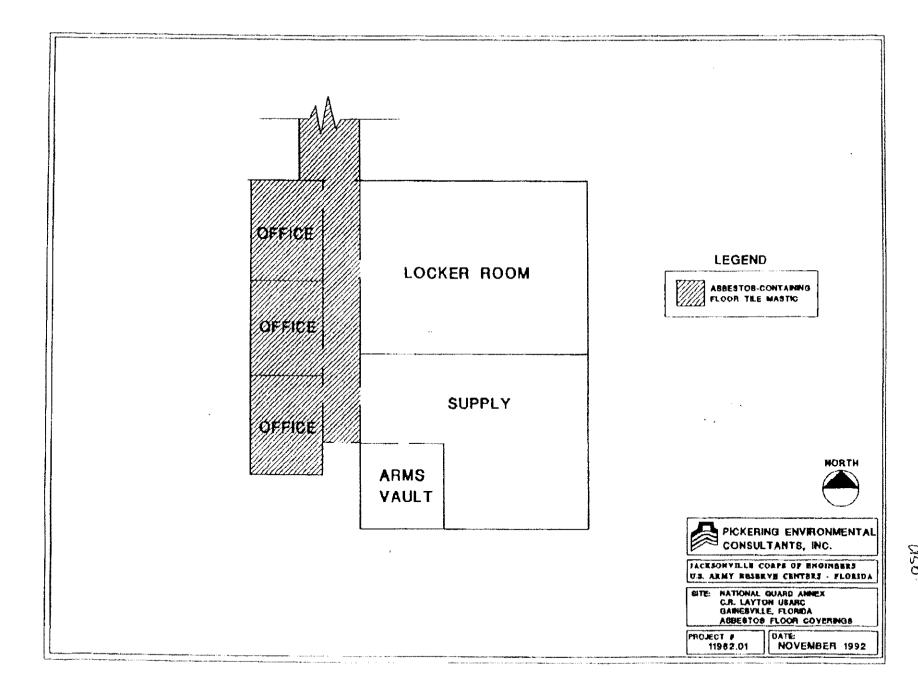


arb.

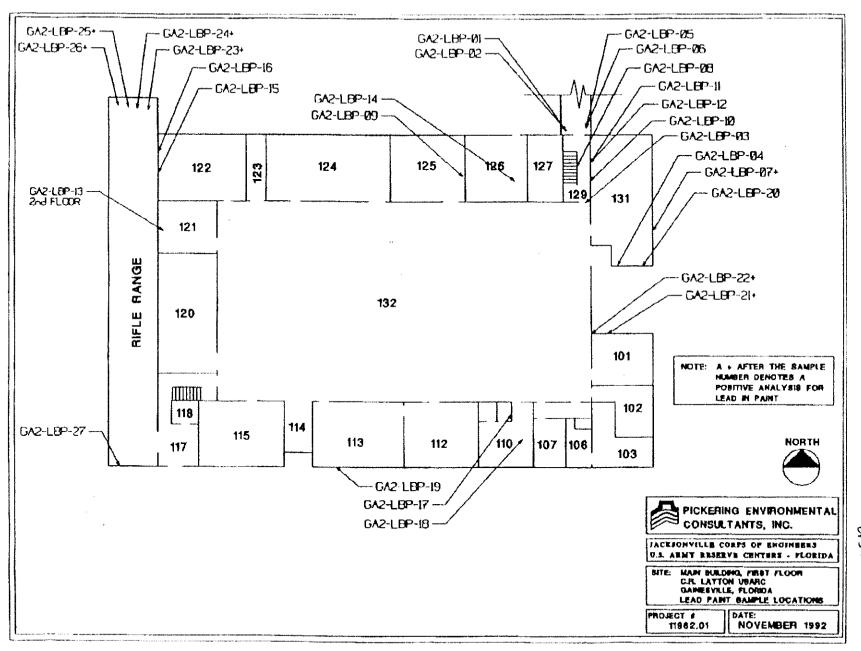


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BASIC BUIL	.DING INSPECTION REP	ORT FOR JUDA	GEMENT ON POSSIBLE	ASBESTOS OCCURRENCE
Client: Project:	JAX COE - 1	JAX COE - VARIOUS		119102.01 ADMILL.
Location	GAIHESVILLE		LUseful Area: No. of Stories: Year of Construction:	24,468 2 1964
11	FORMATION ON CONST	RUCTION SITT	JATION OF IMPORTANT	BUILDING UNITS
Building:	Reinforced Concrete Masonry Steel Wooden Girder Mixed Structure	Annex:	Reinforced Concrete Masonry Steel Wooden Girder Mixed Structure	GAME
Windows:	Steel Wood Aluminum Plastic Wood/Aluminum	Roof:	Flat with gravel Tiles on Wood	
Ceilings:	Plaster in Panel Ceiling in Metal Cassettes in Gypsum Boards in Anostry open Cassettes Tartum & Same Tartum & Same	were the	PVC in Carpet in Wood in Concret /s	Same Tiles
Ventilation Syste	•		L. W. COLLAND	System P Papianoes STOMS
New state	CONDITION Good Condition	_/	AND GENERAL INDRESS	
Judgement	and Remarks;	Asbestos Suspec	ied Yes 🗌	No 🗀
MUST Clag	Tig OPEN CO	=icin(9	Deks -w-	Sim= 2'x4 Drup
Useful Area	SF No. of S	tories: Z	Height approx 28	Photo No
Was Asbestos S		No	Processed by	2 Signature

	OUS AREA DAT	'A SHEET			A !
DATE			HOMOGENE	OUS AREA #	
PROJECT NAM	E & NO. JAN (D)	E- VARIOUS	MATERIAL I		MSDLATEDID Steam System
BUILDING NAI	ME & NO. CZ. L.	entoh a vin			
INSPECTOR (I)	J. C. C.		INSPECTOR ((2) <u>C. Genio</u>	
Material Type	Depth To Substrate	Material Description	Estimated Amounts		Material Cond. Excellent
		Key	Sq. Ft. 1,356	- Number	Very Good
Surfacing	- - 11	Comments:	Lin. Ft.	(Fittings)	Good
Thermal	· · · · · · · · · · · · · · · · · · ·		Number		Fair
					Poor
Building Des	cription:		Sample Nu	ımbers	<u>Results</u>
			9A2-01-	-01	36-ch
			3AZ-01-	- 02	54 ch
	····		GAZ-01-	<u>03</u>	41 ch
			GAZ-01-	04	54 cm
		T			
Friable	Physical Damage	Water Damage	Deterioration Delamination	Vibration	Air Flow
(V)	>10%	>10%	>10%	Severe	
Yes	<10%	<10%	<10%	Heavy	High Plenum
1000	> 5%	> 5%	> 5%	Mod	Mod Duct Vert. Shaft
9	< 5%	< 5%	< 5%	(Light	None Vert. Shart
	Norte	Mone	None	None	None
Surface	Thermal		Maint.	Barriers	S Damage
Texture	Expansion	Accessibility	Custodial	3.7	Potential
Rough	High	High	High	Yes	High
Med	Mod	Mod Low	Mod	Perm	Mod
Smooth	Low None	None None	de la constant de la	Temp	tow
	Hone	None	None		None
Average	Duration	Assessm	nant:		
Daily	of use	<u></u>			
Occupants	Hr/Day_8	DAMAGED (OR SIGNIFICANTLY	DAMAGED THER	MALINSULATION
10	Days/Yr: 200	DAMAGED I	FRIABLE SURFACIN	G MATERIAL	
		SIGNIFICAN	TLY DAMAGED FRI	ABLE SURFACIN	G MATERIAL
HVAC Sys	tems Type:	DAMAGED 6	OR SIGNIFICANTLY	DAMAGED FRIA	BLE MISC. MATERIAL
₽ FORE	SD-AIR (Uinpoul)		POTENTIAL FOR D		www. transcor. pri/ \$ 1 daist/\$ to
нот w	ATER ONLY				·
	ED WATER ONLY		I POTENTIAL FOR SI		
TOH [CHILLED WATER	ANY REMAI	NING FRIABLE ACB	M OR SUSPECT A	СВМ
NO HA	'AC				

FLOOS USD

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DATE 10-	UUS AREA DAT. • 22 • 92	A SHEE!	HOMOGENEC	OUS AREA #	02
PROJECT NAMI BUILDING NAM	E&NO.JAX C 1E&NO.C.P. La J. Pholo	HINY B-HOTH	MATERIAL D ROOM NO./ L	ESC. Pipe -	FAU SYSTEM
Material Type Surfacing Thermal Misc.	-	Material Description Key Comments:	Estimated Amounts Sq. Ft. Lin. Ft. Number	(Fittings)	Material Cond. Excellent Very Good Good Fair Poor
Building Desc	eription:		Sample Nu GA Z- 02 GA2- 02 GA2- 02	-01 -02 -03	Results 5 Am 9ch 3 mm 9ch 5 Am 63ch
Friable Yes No	Physical Damage >10% <10% > 5% < 5%	Water Damage >10% <10% > 5% < 5% None	Deterioration Delamination >10% <10% > 5% < 5% < 5%	Vibration Severe Heavy Mod Inght None	Air Flow High Plenum Mod Duct Vow Vert. Shaft None
Surface Texture Rough Mea Smooth	Thermal Expansion High Mod Low None	Accessibility High Mod Low None	Maint. Custodial High Mod Low None	Barriers Yes Vo Perm Temp	Damage Potential High Mod Low None
HOT W	Duration of use Hr/Day Days/Yr: Mem Type ED AIR VATER ONLY LED WATER ONLY CHILLED WATER	DAMAGED SIGNIFICAN DAMAGED ACBM WITH	OR SIGNIFICANTLY FRIABLE SURFACIN ITLY DAMAGED FRI	G MATERIAL IABLE SURFACIN DAMAGED FRIA AMAGE	IG MATERIAL BLE MISC MATERIAL IAGE

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HOMOGENE	OUS AREA DAT	A SHEET			
DATE <u>10-7</u>	2-92	\		· · · · · · · · · · · · · · · · · · ·	PK /NEULATERN
PROJECT NAMI	E&NO. JAK L	be - V-eion	ROOM NO / L	OCATION 1	THE HE HE O SVOTE
BUILDING NAM INSPECTOR (1)	Lade d	5	INSPECTOR (2) C. ORAK	7 Portion H20 Sym
., ., .,				•	
Material Type Surfacing Thermal Misc.	Depth To Substrate	Material Description Key Comments:	Estimated Amounts Sq. Ft. Lin. Ft. 2675 Number	(Fittings)	Material Cond. Excellent Very Good Good Fair Poor
Building Desc	ription:		Sample Nu	mbers	Results
			GAZ-03-	<u> </u>	36-ch
			GAZ- 03 -		54 ch
			GAZ-03-		36 cm
			QAZ-03-	04-	68 Cm
<u>Friable</u>	Physical Damage	Water Damage	Deterioration Delamination	Vibration	Air Flow
Yes	>10%	>10%	>10%	Severe	High Plenum
No	<10% > 5% < 5%	<10% > 5% < 5% Mone	<10% > 5% < 5%	Heavy Mod Light None	Mod Duct Low Vert. Shaft None
Surface Texture Rough Med Smooth	Thermal Expansion High Mod Low None	Accessibility High Mod Low None	Maint. Custodial High Mod Lov None	Barriers Yes No Perm Temp	Damage Potential High Mod Low None
Average	Duration	Assessn	nent:		
Daily Occupants HVAC Sys	of use Hr/Day Days/Yr: tems Type: ED AIR ATER ONLY ED WATER ONLY	DAMAGED DAMAGED SIGNIFICAN DAMAGED ACBM WITH	OR SIGNIFICANTLY FRIABLE SURFACIN ITLY DAMAGED FRI	G MATERIAL ABLE SURFACIN DAMAGED FRIA AMAGE	IG MATERIAL BLE MISC. MATERIAL
	CHILLED WATER	l —	INING FRIABLE ACB	M OR SUSPECT A	АС ВМ

FL DDS ÚMO274H MOD PICKERING ENVIRONMENTAL CONSULTANTS

HOMOGENI	EOUS AREA DA	TA SHEET			
DATE 10-			HOMOGENE	OUS AREA #	04-
		COE VARION			TOTAL MENERATED
		AVIN G'VILL			AG. HOR HED SH
INSPECTOR (1) _1.Pho	100	INSPECTOR	(2) <u>C Cerio</u>	٠
Material Type	Depth To	Material	Estimated		Material Cond.
	Substrate	Description	Amounts		Excellent
Surfacing	_ 1/ .	Key	Sq. Ft.	,	Very Good
Thermal		Comments:	Lin. Ft.		Good
Misc.	_		Number	CAC 43	Fair
Building Des	scription:		Sample Nu	ımbers	PoorResults
			_		
			GAZ-0	·	23 Ama 23 Ch
			GAZ - 04		30 nm 20ch
			<u>GA2 - 09</u>	1	36am 23cm
			GAZ - 04	-04	Zam Hich
<u>Friable</u>	Physical Damage	Water Damage	Deterioration Delamination	Vibration	Air Flow
Yes	>10%	>10%	>10%	Severe	
. 0.3	<10%	<10%	<10%	Heavy	High Plenum
. 250	> 5%	> 5%	> 5%	Mod	Mod Duct
	5%	< 5%	< 5%	Jaght	Kow Vert. Shaft None
	(Mana)	Oxone	None	None	None
Surface <u>Texture</u> Rough	Thermal Expansion High	Accessibility High	Maint. Custodial High	Barriers Yes	Damage Potential High
Med	(Mod)	(DOM)	Mod	(NO)	Mod
Smooth	dea	Low	tow	Perm	Łow
i	None	None	None	Temp	None
Average	Duration	Assessm	ent.		
Daily	of use				
Occupants	Hr/Day	DAMAGED (OR SIGNIFICANTLY	DAMAGED THERN	MAL INSULATION
· _	Days/Yr:	DAMAGED F	RIABLE SURFACING	G MATERIAI	
	Jays/11	l —			
HVAC Sys	tems Type:	SIGNIFICAN	TLY DAMAGED FRI.	ABLE SURFACING	3 MATERIAL
		L DAMAGED (OR SIGNIFICANTLY	DAMAGED FRIAB	LE MISC. MATERIAL
FORCE			POTENTIAL FOR DA		
	ATER ONLY ED WATER ONLY		POTENTIAL FOR SIG		GE
	CHILLED WATER				
	,	L. ANT KEMAD	NING FRIABLE ACBI	A OR SUSPECT AC	BM
ио н∨	AL				

HOMOGENE	OUS AREA DAT	A SHEET			
	-22-92			OUS AREA #	
PROJECT NAM	E & NO. JAK.C	OE - VARIOU	MATERIAL D	ESC. FIFE	-
BUILDING NAM	1E & NO. CR	LAYTON G'VILL	E_ ROOM NO./ L	OCATION Dom	ESTIL HZO SMITEN
INSPECTOR (1)	1. Phos	165	INSPECTOR (2) <u>C CEA</u> io	<u> </u>
Material	Depth To	Material	Estimated		Material Cond.
Type	Substrate	Description	Amounts		Excellent
Surfacing		Key	Sq. Ft	Number	Very Good
Surfacing Thermal	- 1/	Comments:	Lin. Ft. 2, 150	(Fittings)	Good
Misc.	1 1 7		Number		Fair
					Poor
Building Desc	ription:		Sample Nu	mbers	<u>Results</u>
	**************************************			-01-4C	10 CN
			GA 2-05	-DI	<u>5 cn</u>
			GAZ-05	- <u>22</u>	23 cm
			GAZ - OS	- 03.	gen
			GAZ- 05	<u>-04</u>	36cr
	_				
Friable	Physical	Water	Deterioration	Vibration	Air Flow
	Damage	Damage	<u>Delamination</u>		
Yes	>10%	>10%	>10%	Severe	High Plenum
	<10%	<10%	<10%	Heavy	Mod Duct
(NO)	> 5%	> 5%	> 5%	Mod	(Low) Vert. Shaft
	(× 59)	< 5%	< 5%	Light	None
	Book	None	Hone	None	
Surface	Thermal		Maint.	Barrier	Damage
Texture	Expansion	Accessibility	Custodial	Darrier.	Potential
Rough	High	High	High	Yes	High
Med	Mod	MOM	Mod	. 250	Mod
Smooth	000	Low	Low	Регт	LOW
	None	None	None	Temp	None
			110110		
Average	Duration	Assessn	ent:		
Daily	of use	l	OR SIGNIFICANTLY	DAMACED THE	DAZAT INICHH ATTUDKI
Occupants	Hr/Day				GMAL INSULATION
	Days/Yr:	DAMAGED!	FRIABLE SURFACIN	G MATERIAL	
		SIGNIFICAN	TLY DAMAGED FRI	IABLE SURFACIN	NG MATERIAL
HVACAYS	tems Type:				
FORCI	TO AID	DAMAGED	or significantly	DAMAGED FRIA	BLE MISC. MATERIAL
		ACBM WITH	POTENTIAL FOR D.	AMAGE	
Summer!	ATER ONLY	ACRM WITH	I POTENTIAL FOR SI	GNIFICANT DAM	IAGE
CHILL	ED WATER ONLY	L ACDIM WITH	TO MAINT LAW OF	CONTICATE DAIN	LV 3 N. J. E.,
HOT/	CHILLED WATER	ANY REMAI	INING FRIABLE ACB	M OR SUSPECT	ACBM
Пион	/AC				
		1			

	EOUS AREA DA	TA SHEET				
DATE <u>lo-</u>					06	
		DE-VARIOU		DESC. PIPE -		COSTATION
	ME & NO. CTZ I	autor G'vill		LOCATION D_{ϵ}		Hap Syan
INSFECTOR (I	3. 2.00		INSPECTOR	(2) <u>C. Cea</u>	<u>«</u>	
Material Type	Depth To Substrate	Material Description	Estimated Amounts	778 774		terial Cond.
		Key	Sq. Ft.	Number		Good
Surfacing Thermal		Comments:	Lin. Ft.			
Misc.	1 1 7		Number	···		
	1 '				Poor -	
Building Des	cription:		Sample Ni	ımbers	R	esults
			GA2-06	OI	18 AA	n 32 ch
	**************************************		GAZ-06	-02		<u> 15 ch</u>
			GAZ . 06	-03	15A	n lock
			-GAZ - Or	- 04 1/A at	· · · · · · · · · · · · · · · · · · ·	·····
Friable	Physical Damage	Water Damage	Deterioration Delamination	Vibration		ir Flow
Yes	>10%	>10%	>10%	Severe	77.	
	<10%	<10%	<10%	Heavy	High	
(No)	> 5%	> 5%	> 5%	Mod	Mod	Duct
	< 5%	< 5%	< 5%	Light	None	
	None	None	None	None	None	
					<u> </u>	
Surface	Thermal		Maint.	Barriers		Damage
Texture	Expansion	Accessibility	Custodial	Darriers	1	Potential
Rough	High	High	Fligh	Yes		High
Med	MOD	Mod	Mod	NO		Mod
Smooth	Low	Low	ولامكر	Perm		Low
	None	None	None	Temp		None
Average	Duration of use	Assessm	ent:			
Daily Occupants	——————————————————————————————————————	DAMAGED C	R SIGNIFICANTLY	DAMAGED THER	MAL INSU	LATION
	Hr/Day	DAMAGED F	RIABLE SURFACIN	G MATERIAI		{
/ _1/		-				
HVACSVS	tems Type:	<u></u>	TLY DAMAGED FRI			
FORCE	D AIR		R SIGNIFICANTLY		LE MISC.	MATERIAL
HOT W	ATER ONLY	ACBM WITH	POTENTIAL FOR DA	MAGE	•	
	ED WATER ONLY	ACBM WTTH	POTENTIAL FOR SIG	GNIFICANT DAMA	GE	
☐ HOT/6	CHILLED WATER	ANY REMAIN	NING FRIABLE ACBI	M OR SUSPECT AC	СВМ	
☐ NO HV	AC					

HOMOGENE	OUS AREA DAT	A SHEET			
DATE LES	-77-C12		HOMOGENE	OUS AREA #	٥٦
PROJECT NAM	E & NO. <u>Јру</u>	COE - Uneig	MATERIAL D		on PIPE JOINT POSU
BUILDING NAI	ME & NO. CR L	THOM G. NICH	ROOM NO./ L		Lean Pan
INSPECTOR (1)	J. Phod		INSPECTOR (2) <u>C. CEA</u>	4
Material Type Surfacing Thermal Misc. Building Des	_ \(\(\)^2	Material Description Key Comments:	Estimated Amounts Sq. Ft. Lin. Ft. Number Sample Number	(Fittings)	Material Cond. Excellent Very Good Good Fair Poor Results
			GA2-01.	<u>-01</u>	<u> </u>
			GAZ-07-	-02	5 Am TR-Ch
	,		GAZ-07-	03	ND
Friable	Physical Damage	Water Damage	Deterioration Delamination	Vibration	Air Flow
Yes	>10%	>10%	>10%	Severe	High Plenum
	<10%	<10%	<10%	Heavy	Mod Duct
(O)	> 5%	> 5%	> 5%	Mod	Low Vert. Shaft
	< 5%	< 5%	< 5%	Light	None
	None	≥ one	Mone	чоле	
Surface Texture Rough Med Smooth	Thermal Expansion High Mod Low None	Accessibility High Afod Low None	Maint. Custodial High Mod Low None	Yes Yes Perm Temp	Damage Potential High Mod Low None
Average	Duration	Assessm	ont.		
Daily Occupants	of use Hr/Day 1 Days/Yr: 40	DAMAGED O	IEHT: DR SIGNIFICANTLY FRIABLE SURFACIN TLY DAMAGED FRI	G MATERIAL	
HVAC Sys	tems Type:				BLE MISC. MATERIAL
FORCE	ED AIR		POTENTIAL FOR DA		DED MISC. PINTERIAL
	ATER ONLY ED WATER ONLY		POTENTIAL FOR SI		AGE
_	CHILLED WATER		NING FRIABLE ACB.		i
По ну					

<i>HOMOGENE</i>	OUS AREA DAT	CA SHEET			
DATE 10	-22-52			OUS AREA #	
					NO PROFING INSU
BUILDING NAM	ME & NO. <u>CR</u>	enter Civil	LE ROOM NO./ L		cheu
INSPECTOR (1)	_l. the	Je-S	INSPECTOR ((2) <u>C. CP</u>	<u>AG</u>
		T			
Material Type	Depth To	Material	Estimated	***************************************	Material Cond. Excellent
13pc	Substrate	<u>Description</u>	Amounts Sq. Ft. 17-	Number	Very Good
Surfacing	- . 1	Key Comments:	Sq. Ft Lin. Ft		Good
Thermal	1 1 1 1 7	Comments:	Number	- '	Fair
Misc.	_ '\\\		Nullibel	- ····	Poor
Building Desc	cription:		Sample Ni	ımbers	Results

			GA 2-01		ND
			GA2-08	<u>-02</u>	70
			GAZ-08	-03	70
Friable	Physical	Water	Deterioration		
	Damage	Damage	Delamination	Vibration	Air Flow
Yes	>10%	>10%	>10%	Severe	I I i at Diamond
103	<10%	<10%	<10%	Heavy	High Plenum Mod Duct
(OK,	> 5%	> 5%	> 5%	o Mod)	Low Vert. Shaft
	< 5%	< 5%	< 5%		None Ven Share
	None	None	None	None	Notic
					1
Surface	Thermal		Maint.	Barriers	Damage
Texture	Expansion	Accessibility	Custodial	Darriers	Potential
Rough	High	High	High	Yes	High
Med	Mod	Mod	Mod	(A)	Mod
Smooth	Low	Low	Low	Perm	(XOW)
	None	None	None	Temp	None
			-		
Average	Duration of use	Assessm	ent:		
Daily	or use	DAMAGED		DANA GER THER	
Occupants	Hr/Day	DAMAGED	DR SIGNIFICANTLY	DAMAGED THER	MALINSULATION
	Daya(YE	DAMAGED F	FRIABLE SURFACIN	G MATERIAL	
	Kryo	SIGNIFICAN	TLY DAMAGED FRI	ABLE SURFACIN	G MATERIAL
HVAC Sys	tems Type:	l —			
FORCE	ED AIR	ا <i>آ السد</i> ار ا			BLE MISC MATERIAL
	VATER ONLY		POTENTIAL FOR D		
CHITT	ED WATER ONLY	ACBM-WITH	POTENTIAL FOR SI	GNIFICANT DAM.	AGE
i <u> </u>	CHILLED WATER	ANY REMAI	NING FRIABLE ACB	M OR SUSPECT A	.СВМ
NO HA	'AC				

HOMOGEN	EOUS AREA DA	TA SHEET			
DATE 1				OUS AREA#	
PROJECT NAI	ME & NO. JESK	OF - VACIOUS		DESC. GASKE	MATERIAL
BUILDING NA	ME & NO.	LaytoH G'Vice		LOCATION Am	NO VAULTS CADO
INSPECTOR (I) w. eno	36-3	INSPECTOR	(2) <u>C.Ce</u>	
Material Type Surfacing Thermal Misc. Building Des	Substrate	Material Description Key Comments:	Estimated Amounts Sq. Ft. Lin. Ft. 74 Number Sample No	(Fittings)	Material Cond. Excellent Very Good Good Fair Poor Results
	***************************************		GA2-09	-01	65ch
Friable	Physical Damage	Water Damage	Deterioration Delamination	Vibration	Air Flow
Yes Ole	>10% <10% > 5% < 5%	>10% <10% > 5% < 5%	>10% <10% > 5% < 5% Frone	Severe Heavy Mod Light None	High Plenum Mod Duct Low Vert. Shaft
Surface Texture Rough Smooth	Thermal Expansion High Mod Low None	Accessibility High Mod Low None	Maint. Custodial High Mod Low None	Yes No Perm Temp	Damage Potential High Mod None
Average Daily Occupants HVAC Sys	Duration of use Hr/Day Days/Yr:	DAMAGED F	OR SIGNIFICANTLY RIABLE SURFACING TLY DAMAGED FRI	G MATERIAL ABLE SURFACING	G MATERIAL
FORCE HOT W	ED AIR ATER ONLY ED WATER ONLY CHILLED WATER	DAMAGED OR SIGNIFICANTLY DAMAGED FRIABLE MISC. MATERIAL ACBM WITH POTENTIAL FOR DAMAGE ACBM WITH POTENTIAL FOR SIGNIFICANT DAMAGE ANY REMAINING FRIABLE ACBM OR SUSPECT ACBM			

FLOOS aspinozal MOD

<i>HOMOGENE</i> Date <u>40</u> -	EOUS AREA DAT - 2.782-	TA SHEET	HOMOGENE	OHC ABEA H	15)
	E & NO. JAK.	COF - VARIA		OUS AREA #		11.
	ME & NO. <u>C2</u> L			OCATION_R		
	J. TZhoù			(2) CEA		
mor Ector (1,			INSPECTOR	(2)	`	
Material	Depth To	Material	Estimated		Mate	erial Cond.
Type	Substrate	<u>Description</u>	Amounts	_	Exceller	
Surfacing	_	Key	Sq. Ft. 🛵 চ০০	Number		ood
Thermal	- 2"+06"	Comments:	Lin. Ft.			
Misc.			Number			
Building Des	1				Poor —	
bunding Des	cription:		Sample Nu	ımbers	Res	sults
			GA2-10.	01	ND	
			GAZ-10-	50	NP	
			GAZ-10-	०३	NO	
		-	GAZ - 10 -	04	ND	
Friable	Physical Damage	Water Damage	Deterioration Delamination	Vibration	Air	Flow
Yes	>10%	>10%	>10%	Severe	11.	DI
	<10%	<10%	<10%	Heavy		Plenum
(No)	> 5%	> 5%	> 5%	Mod	Mod	
	< 5%	< 5%	5%	Light	Low	Vert. Shaft
	None	None	None	None	None	
Surface	Thermal		Maint.			Damage
Texture	Expansion	Accessibility	Custodial	Barriers	1	otential
Rough	High	High		Yes	-	
Med	Mod	Mod	High Mod	√ 20	1	High
Smooth	Low	Low	tow.	Perm	ļ	Mod
0001.1	None	None	None	Temp	(Low
	_ 01,0	TONE	None			None
Average	Duration of use	Assessm	ient:		<u>_</u>	
Daily		DAMAGED	NO. OTOMOTEC A LITTLE AND	•		
Occupants	Hr/Day :	DAMAGED(OR SIGNIFICANTLY	DAMAGED THERM	MALINSUL	NOITA
ا م	+Days/Xr	DAMAGED F	RIABLE SURFACING	G MATERIAL		
	5	SIGNIFICAN	TLY DAMAGED FRI	ADIE CUDEACING	C MAGERIA	,
HVÀQ SYSI	ems Type:	(<u> </u>				
FORCE			OR SIGNIFICANTLY POTENTIAL FOR DA		LE MISC.N	DATERIAL
\equiv	ATER ONLY ED WATER ONLY		POTENTIAL FOR SIG		GE	
	CHILLED WATER		NING FRIABLE ACBI			
Пио ну	į.			- /		
						1

FLODS GENEZAH MOD

	- 22-92	IA SHEEI	HOMOCENE	COLIC ADDA "	11	
PROJECT NAM	JE & NO . Jank	COE - VARIO	HUMUGENE JS MATERIALI	OUS AREA #	FLASHING MATE	-
BUILDING NA	ME & NO. C2 L	AUTON G'VIU	LE ROOM NO / I	LOCATION V	> MARINE /MAR	-
INSPECTOR (1	J. Pho.	les			5	-
						=
Material	Depth To	Material	Estimated		Material Cond.]
Type	Substrate	Description	Amounts		Excellent	_
Surfacing		Key	Sq. Ft. 700		Very Good	
Thermal	_ 1"	Comments:	Lin. Ft.		Good	
Misc.			Number		Fair	-
Building Des	eription:		C NI		Poor	1
			Sample Ni	umbers	Results	
			GA2-11-	01	TAN MAT ND BLAK	L Sch
			GAZ-11-6	20	TAN MAT ND BLAK	501
		***************************************	GA Z-11-	-01- QC	ND	
				The state of the s		
Friable	Physical	Water	Deterioration	17:1 (*)		
	Damage	Damage	Delamination	Vibration	Air Flow	
Yes	>10%	>10%	>10%	Severe	111.1.1.13	
	<10%	<10%	<10%	Heavy	High Plenum Mod Duct	
No	> 5%	> 5%	> 5%	Mod	Low Vert. Shaft	
	< 5%	< 5%	< 5%	Light	None Vert. Shart	
	None	None	None	None	1107110	
C c						
Surface Texture	Thermal	Accorbility	Maint.	Barriers	Damage	
	Expansion	Accessibility	Custodial	×/	Potential	
Rough Med	High Mod2	High	High	Yes	High	
Smooth	Low	Low	Mod	Perm	Mod	
311.00111	None	None None	COW No.	Temp	Low	
		None	None	10211.p	None	
Average	Duration	Assessm	ent.			
Daily	of use					
Occupants	Hr/Day	DAMAGED (OR SIGNIFICANTLY	DAMAGED THERM	MAL INSULATION	
	Days/Yr:	DAMAGED F	RIABLE SURFACING	G MATERIAL		
7.11			TLY DAMAGED FRI		· · · · · · · · · · · · · · · · · · ·	
HMACCIO	lems Type:	r				
FORCE	ED AIR				LE MISC. MATERIAL	
=	ATER ONLY	☐ ACBM WITH	POTENTIAL FOR DA	AMAGE		
	ED WATER ONLY	ACBM WITH	POTENTIAL FOR SIG	GNIFICANT DAMA	GE	
	CHILLED WATER	ANY REMAIN	NING FRIABLE ACBI	M OR SUSPECT AC	CBM	
☐ NO HV	AC					

TL 005 650

<i>HOMOGENE</i>	EOUS AREA DAT				10
DATE			HOMOGENE	OUS AREA#	12
PROJECT NAM	1E & NO. <u>JAY</u>	COE - VINC	MATERIAL I	ESC. ZZZZZZ	4 CEILING TILE
BUILDING NA	ME & NO. CR L	AUTOH G'VIU	ROOM NO./ L	OCATION_73	EV-OUT
INSPECTOR (1)	J. Teho	des	INSPECTOR (2) <u>Cer</u>	107
Material	Depth To	Material	Estimated		Material Cond.
Type	Substrate	Description	Amounts		Excellent
Surfacing		Key	Sq. Ft. 1700	Number	Very Good
Thermal		Comments:	Lin. Ft.		Good ·
Misc.	-1 1/2"		Number	·	Fair
IVIISC.					Poor
Building Des	cription:		Sample Nu	ımbers	Results
			GA2-12	-01	20
			GA 2 - 12		NO
			GA2 - 12	i	NP
			<u>(4/, 2 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /</u>		<u> </u>
<u>Friable</u>	Physical	Water	Deterioration	Vibration	Air Flow
	Damage	Damage	<u>Delamination</u>		All Flow
Yes	>10%	>10%	>10%	Severe	High Plenum
	<10%	<10%	<10%	Heavy	Mod Duct
(No)	> 5%	> 5%	> 5%	Mod_	المراكز المرا
	< 5%	< 5%	< 5%	Light	None Vert. Share
	None	₽\one	(M)De	None	NOIC
Surface	Thermal		Maint.		Damage
Texture	Expansion	Accessibility	Custodial	Barriers	Potential
Rough	High	High		Yes	
Med	Mod	Mod	High	~¥6	High Mod
Smooth	JEON	Low	Mod	Perm	1 1
Sinodii	None	None	ı —	Temp	Low
	rvone	140110	None	7 - 1. p	None
Average	Duration	Assessm	rent•		
Daily	of use		OR SIGNIFICANTLY	DANGACED THER	MAR INCOM A TOTANI
Occupants	Hr/Day				MAD BYSULATION
	Pays/Y:	DAMAGED F	FRIABLE SURFACIN	G MATERIAL	
		significan	TLY DAMAGED FRI	ABLE SURFACIN	G MATERIAL
HVAC Sys	tems Type:				BLE MISC. MATERIAL
<u></u>	ED AIR		POTENTIAL FOR DA		The second secon
	ATER ONLY ED WATER ONLY	ACBM WITH	I POTENTIAL FOR SI	GNIFICANT DAMA	A GE
<u></u>	CHILLED WATER	ANY REMAI	NING FRIABLE ACB!	M OR SUSPECT A	СВМ
Пио нл	'AC				

DATE 10-	E & NO slove C	e - Uppins	HOMOGENEOUS AREA # 13 MATERIAL DESC. BLACK H" COVE BASE ROOM NO/LOCATION PROPERTY ADDITED ADITED ADDITED ADDITED ADDITED ADDITED ADDITED ADDITED ADDITED ADDI			
INSPECTOR (1)	J. Phos	500	INSPECTOR (2)	ADDITION	
Material Type Surfacing Thermal Misc.	- 1/16"	Material Description Key Comments:	Estimated Amounts Sq. Ft. Lin. Ft. 200 Number	(Fittings)	Material Cond. Excellent Very Good Good Fair Poor	
Building Desc	cription:		Sample Nu	mbers	Results	
			GAZ-13 GAZ-13	- 02	NP NO NO	
Friable Yes	Physical Damage >10% <10%	Water Damage >10% <10%	Deterioration Delamination >10% <10%	Vibration Severe Heavy	Air Flow High Plenum	
No	> 5% < 5%	> 5% < 5% None	> 5% < 5%	Mod Light None	Mod Duct Low Vert. Shaft None	
Surface Texture Rough Med Smooth	Thermal Expansion High Mod Yow None	Accessibility High Mod Low None	Maint. Custodial High Low None	Barriers Yes No Perm Temp	Damage Potential High Mod Low None	
Days/Yr: DAMAGED F Days/Yr: DAMAGED F SIGNIFICAN DAMAGED F SIGNIFICAN DAMAGED F ACBM WITH CHILLED WATER ONLY ACBM WITH			OR SIGNIFICANTLY FRIABLE SURFACIN TLY DAMAGED FRI	G MATERIAL ABLE SURFACIN DAMAGED FRIAI AMAGE GNIFICANT DAM	G MATERIAL BLE MISC MATERIAL AGE	

TL 005 455

<i>HOMOGENE</i>	OUS AREA DAT.	A SHEET			
DATE				DUS AREA #	14
PROJECT NAM	E & NO. Jan C	OF - VARIOU			4" Cove BAGE
BUILDING NAM	ME & NO. CE LA	YTON G. VICLE	ROOM NO./ L		DERLY Room
INSPECTOR (1)	J. Pho	le->	INSPECTOR (2) <u>C.Cen</u>	4
Material	Depth To	Material	Estimated		Material Cond.
Type	Substrate	Description	Amounts	-	Excellent
Surfacing		Key	Sq. Ft		Very Good
Thermal	1 1 1	Comments:	Lin. Ft. <u>55</u>	1	Good
Misc.	1 1 1 1 1 1 1		Number		Fair
					Poor
Building Desc	cription:		Sample Nu	mbers	<u>Results</u>
			GAZ-14-	01	<u>ND</u>
			GAZ-14-	50-	_20
			GAZ-14-6	3	ND
Friable	Physical	Water	Deterioration	Vibration	
	Damage	Damage	<u>Delamination</u>	71014(10)1	Air Flow
Yes	>10%	>10%	>10%	Severe	High Plenum
168	<10%	<10%	<10%	Heavy	Mod Duct
, No	> 5%	> 5%	> 5%	Mod	Low Vert. Shaft
	< 5%	< 5%	< <u>5</u> %	Jeight '	None Vert. Shart
	None	None	None	None	rvone
Surface	Thermal		Maint.		. Damage
Texture	Expansion	Accessibility	Custodial	Barrier	S Potential
Rough	High	/fligh)	High	Yes	High
Med	Mod	Mod	Mod	No	Mod
Smooth	de Oy	Low	Low	Perm	Low
Syllodia	None	None	None	Temp	None
	1.5,1.5	710.00	None	•	
Average	Duration of use	Assessn	nent:		
Daily	or use	D DAMAGED	OD BICKIERO ANELY	DATE OF THE	DECAT INCLU ATION
Occupants	Hr/Day		OR SIGNIFICANTLY		WIAL INSULATION
	Days/Yr:	DAMAGED	FRIABLE SURFACIN	IG MATERIAL	
1 -//	nn M	SIGNIFICAN	TLY DAMAGED FR	IABLE SURFACIN	NG MATERIAL
HVAC Sys	stems Type		•		BLE MISC. MATERIAL
□ Ø RC	ED AIR		FOTENTIAL FOR D		THE PERSON ASSESSMENTS
	VATER ONLY	ACBM_WITH	I POTENTIAL FOR SI	IGNIFICANT DAM	IAGE
	ED WATER ONLY CHILLED WATER	ANY REMA	INING FRIABLE ACE	IM OR SUSPECT	ACBM
NO HA					
1		<u></u>			

FLOOS aspozaHMOD

HOMOGENE	OUS AREA DAT	'A SHEET			
DATE 10-22-92 HOMOGENEOUS AREA # 15					
PROJECT NAM	E & NO. Jak (DE - VACIOU	ے MATERIAL D	ESC. WIHDOW	DUTTY
	ME & NO. CR N			OCATION_www.	looms
INSPECTOR (1)	J. Phad	<u> </u>	INSPECTOR (2) <u>C. Opai</u>	
Material	Depth To	Material	Estimated		Material Cond.
Type	Substrate	Description	Amounts	_	Excellent
Surfacing		Key	Sq. Ft		Very Good
Thermal		Comments:	معطاما. Lin. Ft	(Fittings)	Good
Misc.			Number	<u> </u>	Fair
	II				Poor
Building Des	cription:		Sample Nu	imbers	Results
			GA2-15.	-01	ND
			GAZ-15-		ND
			CAZ-15-	্ত্র	NO
				·	
Friable	Physical	Water	Deterioration		
1114030	Damage	Damage	<u>Delamination</u>	Vibration	Air Flow
Yes	>10%	>10%	>10%	Severe	High Plenum
100	<10%	<10%	<10%	Heavy	Mod Duct
(Ne)	> 5%	> 5%	> 5%	Mod	Vert. Shaft
	< 5%	< 5%	< 5%	Jayar .	None
	None	₹XOne	None	None	1.0
Surface	Thermal		Maint.	Barriers	Damage
Texture	Expansion	Accessibility	Custodial	Darriers	Potential
Rough	High	High	High	Yes	High
Med	MOGD	Mod	Mod	<u> </u> XO	Mod
Smooth	Low	*tow	Low	Perm	Low
	None	None	None	Temp	None
Average	Duration of use	Assessm	ent:		
Daily	01 d3c	DAMAGED	OD EICHTEICANTIN	DAMAGED THE	AAA INGIII ATKON
Occupants	Hr/Day	DAMAGED	OR SIGNIFICANTLY	DAMAGED THEK	MALINSULATION
	DaysNr	DAMAGED I	RIABLE SURFACIN	G MATERIAL	
1 7771	51700	SIGNIFICAN	TLY DAMAGED FRI	ABLE SURFACIN	G MATERIAL
HVAC Sys	tems Type:				
FORCE	ED AIR		OR SIGNIFICANTLY I POTENTIAL FOR D.		BLE MISC. MATERIAL
НОТ W	ATER ONLY				ACT
1 =	ED WATER ONLY		I POTENTIAL FOR SI		
HOT/	CHILLED WATER	ANY KEMAI	NING FRIABLE ACB	M OK SUSPECT A	CBM
L LINOHY	AC				

DATE(O	OUS AREA DAI ・フマーラこ	A SHEE!	HOMOGENE(OUS AREA #	16		
	1E & NO. Jay	COE- VARIOU	MATERIAL I	DESC. 12 × 12	VAT (LT. BROWN)		
BUILDING NAI	ME & NO. CR	LOWTON CIVIL	ROOM NO./ I	ROOM NO. / LOCATION NEW ADDITION ! VARIOUS OFFICE			
INSPECTOR (1)	J. Phy	de	INSPECTOR ((2) <u>C. Cer</u>	4		
Material	Depth To	Material	Estimated		Material Cond.		
Type	Substrate	Description	Amounts	_	Excellent		
Surfacing	1	Key	Sq. Ft. 4,000		Very Good		
Thermal	1 1 1	Comments:	Lin. Ft.	(Fittings)	Good		
Misc.			Number	•	Fair		
	1				Poor -		
Building Des	cription:		Sample Nu	<u>imbers</u>	Results		
			GAZ-10	0-01 6 cm	TILE NO - MASTER 30		
			GAZ- K		TILE-NO MAST 30 Ch		
			CAZ-16	-03	No		
Friable	Physical	Water	Deterioration	Vibration			
	Damage	Damage	Delamination	YIDI ALION	Air Flow		
Yes	>10%	>10%	>10%	Severe			
103	<10%	<10%	<10%	Heavy	High Plenum		
Sto	> 5%	> 5%	> 5%	Mod	Mod Duct		
	< 5%	< 5%	< 5%	Light	Low Vert. Shaft		
	None	None	-Mone	None	None		
Surface	Thermal		Maint.		Damage		
Texture	Expansion	Accessibility	Custodial	Barriers	Potential		
Rough	High	High	High	Yes	High		
Med	Mod	Mod	Mod>	No	Mod		
Smooth	<u></u> _L6₩	Low	Low	Perm	tow		
	None	None	'None	Temp	None		
Average	Duration	A 22222					
Daily	of use	Assessm	ient:				
Occupants		DAMAGED (OR SIGNIFICANTLY	DAMAGED THER	MAL INSULATION		
Оссиранта	Hr/Day		RIABLE SURFACIN				
	Days/Yr:	 .					
	hAl	SIGNIFICAN	TLY DAMAGED FRI	ABLE SURFACIN	G MATERIAL		
(HYAC 842	remy Type	DAMAGED (OR SIGNIFICANTI V	DAMAGED FRIA	BLE MISC. MATERIAL		
44/	ED AIR	<u> </u>	POTENTIAL FOR DA				
	ATER ONLY ED WATER ONLY			POTENTIAL FOR SIGNIFICANT DAMAGE			
=	CHILLED WATER	ANY REMAI	NING FRIABLE ACE	M OR SUSPECT A	АСВМ		
□ ио ни	'AC						

FL 005 1000 HIND

DATE1@ PROJECT NAM BUILDING NAM INSPECTOR (1) Material	Depth To	COE - VACION YOU G'VILLE Material	MATERIAL D ROOM NO./L INSPECTOR (Estimated	OCATION Figure	Material Cond.
Type Surfacing Thermal Misc Building Desc	_ //-"	Description Key Comments:	Amounts Sq. Ft. 2,250 Lin. Ft. Number Sample Nu GAZ- 1 GAZ- 1	(Fittings) umbers 7-0 7-02	Excellent Very Good Good Fair Poor Results 9-Ch B-Ch TICEMARKIC
Friable Yes	Physical Damage >10% <10% > 5% <592	Water Damage >10% <10% > 5% < 5% < 5%	Deterioration Delamination >10% <10% > 5% None	Vibration Severe Heavy Mod Light None	Air Flow High Plenum Mod Duct Low Vert. Shaft None
Surface Texture Rough Med Sprooth	Thermal Expansion High Mod Low None	Accessibility High Mod Low None	Maint. Custodial High Low None	Barriers Yes No Perm Yemp	Potential High Mod
☐ снит ☐ нот м	ED AIR VATER ONLY ED WATER ONLY CHILLED WATER	DAMAGED F SIGNIFICAN DAMAGED C ACBM WITH ACBM WITH	OR SIGNIFICANTLY FRIABLE SURFACIN TLY DAMAGED FRI	G MATERIAL ABLE SURFACIN DAMAGED FRIAI AMAGE GNIFICANT DAM	IG MATERIAL BLE MISC. MATERIAL AGE

DATE 10-22-92 PROJECT NAME & NO. JAY COG - VARIOUS BUILDING NAME & NO. CIZ LAYTOH-G'VILLE INSPECTOR (1) J. Rh. J. 29			MATERIAL D ROOM NO./ L	ROOM NO./ LOCATION THROUGHOUT			
Material Type Surfacing Thermal Misc.	- NI6"	Material Description Key Comments:	Estimated Amounts Sq. Ft. 1200 Lin. Ft. Number	(Fittings)	Material Cond. Excellent Very Good Good Fair Poor		
Building Desc			Sample Numbers GAZ - 18 - 01 GAZ - 18 - 02 GAZ - 18 - 03 GAZ - 18 - 03		Results 26-0h 26-0h 26-0h 11-0h		
Yes No	Physical Damage >10% <10% > 5%	Water Damage >10% <10% > 5% < 5% None	Deterioration Delamination >10% <10% > 5% None	Vibration Severe Heavy Mod Light None	Air Flow High Plenum Mod Duct Low Vert. Shaft None		
Surface Texture Rough Med Smooth	Thermal Expansion High Mod Low None	Accessibility High Mod Low None	Maint. Custodial High Mod Low None	Barriers No Perm Temp	Damage Potential High Mod Low None		
Days/Yr: Damaged F HVAC Systems Type: Damaged C FORCED AIR ACBM WITH CHILLED WATER ONLY CHILLED WATER ONLY			OR SIGNIFICANTLY FRIABLE SURFACIN TLY DAMAGED FRI	G MATERIAL ABLE SURFACIN DAMAGED FRIA AMAGE GNIFICANT DAM	IG MATERIAL BLE MISC MATERIAL AGE		

DATE <u>10-2</u> PROJECT NAM	OUS AREA DAT 2-92 E&NO. LD> (ME&NO. CE 1	DE - VARION	MATERIAL D	DUS AREA# —— ESC. **** V4	19 T (GPECN) & MINT !
	J. Rud		INSPECTOR (RIOUS CLASSFOONS
Material Type Surfacing Thermal Misc.	_	Material Description Key Comments:	Estimated Amounts Sq. Ft. 720 Lin. Ft. 120 Number	(Fittings)	Material Cond. Excellent Very Good Good Fair Poor
Building Desc	cription:		Sample Nu	mbers	Results
			GAZ-19-0 GAZ-19-0 GAZ-19-0	<u></u>	6-Ch 6-Ch 5-Ch Tru & MASTIC
Friable Yes	Physical Damage >10% <10% > 5% < 5% < 5%	Water Damage >10% <10% > 5% < 5% < 5%	Deterioration Delamination >10% <10% > 5% < 5% < 5%	Vibration Severe Heavy Mod Light None	Air Flow High Plenum Mod Duct Low Vert. Shaft None
Surface Texture Rough Med Smooth	Thermal Expansion High Mod Low None	Accessibility High Mod Low None	Maint. Custodial High Mod Low None	Yes No Perm Temp	Damage Potential High Mod Jow None
Нот w	ED AIR /ATER ONLY ED WATER ONLY CHILLED WATER	DAMAGED I SIGNIFICAN DAMAGED C ACBM WITH	OR SIGNIFICANTLY FRIABLE SURFACING TLY DAMAGED FRI	G MATERIAL ABLE SURFACIN DAMAGED FRIAI AMAGE GNIFICANT DAM.	G MATERIAL BLE MISC MATERIAL AGE

_	OUS AREA DAT		UO LO ADVE	OVID 1 DE 1 11	70
DATE <u>lo</u>	-22-92	C = 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	HOMOGENE	OUS AREA#	VAT (GREY)
PROJECT NAM	E & NO. CALA	Coe - Various YTM- G VILLE	MATERIAL L		
BUILDING NAI INSDECTOD (1)	VIE & NU. <u>SE FE</u>	7		2) C. Carri	
instructor (1)			INSPECTOR (2)	*
Material Type Surfacing Thermal Misc.	- 1/16"	Material Description Key Comments:	Estimated Amounts Sq. Ft. 225 Lin. Ft. Number	(Fittings)	Material Cond. Excellent Very Good Good Fair Poor
Building Des	cription:		Sample Nu	<u>imbers</u>	Results
			GA2-70-	01	ND Both Tick Hartic
					D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Friable	Physical Damage	Water Damage	Deterioration Delamination	Vibration	Air Flow
Yes	>10%	>10%	>10%	Severe	High Plenum
	<10%	<10%	<10%	Heavy	Mod Duct
(No	> 5%	> 5%	> 5%	Mod	Low Vert. Shaft
	< 5%	< 5%	< 5%	CIRCLE	None
	None	None	None	None	
Surface Texture Rough Med SmeOth	Thermal Expansion High Mod Low None	Accessibility High Mod Low None	Maint. Custodial High None	Barriers Yes No Perm Temp	Damage Potential High Mod None
Average	Duration	Assessm	iont.		
Daily	of use	A35C3311	ient.		
Occupants	11-70	DAMAGED (OR SIGNIFICANTLY	DAMAGED THER	MAL INSULATION
,	Hr/Day Days/Yr:	DAMAGED F	RIABLE SURFACIN	G MATERIAL	
	Days/11				
	terns type		TLY DAMAGED FRI OR SIGNIFICANTLY		G MATERIAL BLE MISC. MATERIAL
<u></u>	ED AIR	1	POTENTIAL FOR D		
	/ATER ONLY ED WATER ONLY		POTENTIAL FOR SI		AGE
_	CHILLED WATER		NING FRIABLE ACB	M OR SUSPECT A	СВМ
Пио ну					

<i>HOMOGENE</i>	OUS AREA DAT	'A SHEET			
DATE <u>ID-</u>			HOMOGENE	OUS AREA#	21
PROJECT NAM	E & NO. JAZ	COE- VALIOU	5 MATERIAL D	ESC. 12× 12	VAT (TAN INANST
BUILDING NA	ME & NO. CE L	auton-G'vii	ROOM NO./ L	OCATION 10	9
NSPECTOR (I)	1. Pho 2	= 5	INSPECTOR (2) C CEDIG	
Material	Depth To	Material	Estimated		Material Cond.
Type	Substrate	<u>Description</u>	Amounts	<u>.</u>	Excellent
Surfacing	,	Key	Sq. Ft. 150	Number	Very Good
Thermal	- , /	Comments:	Lin. Ft.	(Fittings)	Good
Misc.	= \ \		Number		Fair
	- 116	<u> </u>			Poor
Building Des	cription:		Sample Nu	ımbers	Results
				- 0-	
			GA2-21-0	1 Te-ch	NO-TILE 30.Ch. Massic
					30. Ch. Massic
1 <u> </u>					
Friable	Physical	Water	Deterioration	Vibration	Ata Diam
	Damage	Damage	<u>Delamination</u>		Air Flow
Yes	>10%	>10%	>10%	Severe	High Plenum
103	<10%	<10%	<10%	Heavy	Mod Duct
<i>≵</i> Y70:	> 5%	> 5%	> 5%	Mod	Low Vert. Shaft
	< 5%	< 5%	< 5%	Light	None vert. Shart
	None	None	Aigne .	None	None
					
Surface	Thermal		Maint.		Damaga
Texture	Expansion	Accessibility	1	Barrier	5 Damage Potential
			Custodial	Yes	
Rough	High	High	High	1 C3	High
Med	Mod	Mod	Mod	Perm	Mod
Smooth	Low	Low	Clow	Temp	Low
	None	None	None	remp	None
	Duration				
Average		Assessn	nent:		
Daily	of use				**************************************
Occupants	Hr/Day	DAMAGED (OR SIGNIFICANTLY	DAMAGED THER	RMAL INSULATION
	Days/Yr:	DAMAGED	FRIABLE SURFACIN	G MATERIAL	
	0 / 7	SIGNIFICAN	TLY DAMAGED FRI	LADIE GUDEACIN	AC MATTERIAL
HVACSYS	uengs Type:				
T HORO	D AIR				BLE MISC MATERIAL
/ سب	ATER ONLY	ACBM WITH	POTENTIAL FOR D.	AMAGE	
	ED WATER ONLY	ACBM WITH	POTENTIAL FOR SI	GŇIFICANT DAM	AGE
	CHILLED WATER	ANY REMAI	NING FRIABLE ACB	M OR SUSPECT	ACBM
NO HV					
		1			!

F448945 125b

HOMOGENE	OUS AREA DAT.	A SHEET			_
DATE13	2292		HOMOGENEC	DUS AREA #	_22
PROJECT NAM	E & NO	Cos - VAPLE	MATERIAL D	ESC. /2x/2	VAT (WHITE)
BUILDING NAM	ME & NO. CE L	aytou-Givic	ROOM NO./ Le	OCATION_Zo	(
INSPECTOR (1)	1. Rings		INSPECTOR (2) <u>C. Gzar</u>	f
Material	Depth To	Material	Estimated	···	Material Cond.
Type	Substrate	Description	Amounts		Excellent
Surfacing		Key	Sq. Ft. 225	Number	Very Good
Thermal		Comments:	Lin. Ft.	(Fittings)	Good
Misc.			Number		Fair
					Poor
Building Desc	cription:		Sample Nu	mbers	<u>Results</u>
			GAZ-22-0	2	NO
	<u>, , , , , , , , , , , , , , , , , , , </u>				Tice Massic
		<u> </u>			
<u>Friable</u>	Physical	Water	Deterioration	Vibration	Air Flow
	Damage	Damage	<u>Delamination</u>		
Yes	>10%	>10%	>10%	Severe	High Plenum
	<10%	<10%	<10%	Heavy	Mod Duct
/ No)	> 5%	> 5%	> 5%	Mod	Tow Vert. Shaft
	< 5%	< 5%	< 5%	lotehi (None
	None	Nøne	None	None	
Surface	Thermal		Maint.	Barrier	Damage
Texture	Expansion	Accessibility	Custodial	Darriers	Potential
Rough	High	High	High	Yes	High
Med	Mod	Mod	Mod	₽ ₩	Mod
Smooth	dow	Low	<u></u>	Perm	Low
7	None	None	None	Temp	None
Average	Duration	Assessn	nent.		
Daily	of use	713303311	iciic,		
Occupants	Hr/Day	DAMAGED (OR SIGNIFICANTLY	DAMAGED THER	MAL INSULATION
	Days/Yz:	DAMAGED	FRIABLE SURFACIN	G MATERIAL	
	1	SIGNIFICAN	TLY DAMAGED FRI	ARIE SURFACIN	IG MATERIAI
HVA Sys	tems Type:	——————————————————————————————————————			
FORCE	ED AIR		OR SIGNIFICANTLY I POTENTIAL FOR D.		BLE MISC. MATERIAL
□ нот у	VATER ONLY		POTENTIAL FOR SI		ACE
	ED WATER ONLY				
Т НОТ/	CHILLED WATER	ANY REMA	INING FRIABLE ACB	M OR SUSPECT	ACBM
П ои	/AC				

FL 005 1402549 MOD

HOMOGENE	OUS AREA DAT	A SHEET			•
DATE 10-	22-92		HOMOGENEC	DUS AREA #	_3
PROJECT NAM	E & NO. Jar	Coz - Vario	MATERIAL D	ESC. Pioz IN	SULTION JOCKETHASTIC
BUILDING NAM	ME & NO. <u>CR</u>	AYTON-G'UI	ROOM NO./ L	OCATION 212	5 (200 plood
INSPECTOR (1)	d. Phyla	3	INSPECTOR (2) <u> </u>	<u> </u>
Material	Depth To	Material	Estimated		Material Cond.
Type	Substrate	Description	Amounts	•	Excellent
Surfacing		Key	Sq. Ft		Very Good
Thermal	_	Comments:	Lin. Ft. 20	1	Good
Misc.	ـــا ^ا اله"		Number		Poor
Building Desc	,		Sample Nu	mbons	<u> </u>
			Sample Nu	moers	Results
			GAZ-23-	01	15-Ch
Friable	Physical	Water	D. (***************************************	
Priatic	Damage	Damage	Deterioration Delamination	Vibration	Air Flow
Yes	>10%	>10%	>10%	Severe	High Plenum
	<10%	<10%	<10%	Heavy	Mod Duct
(MO)	> 5%	> 5%	> 5%	Mod	Low Vert. Shaft
	< 5%	< 5%	< 5%	Light	None
	None	None	None	None	
Surface	Thermal		Maint.	Barriers	Damage
Texture	Expansion	Accessibility	Custodial	Darriers	Potential
Rough	High	High	High	Yes	High
Ma	Mod	Mod	Mod	-XO	Mod
Smooth	Tow	Low	Low	Perm	LOW
	None	None	None	Temp.	None
Average	Duration	Assessm	lent:		
Daily	of use	_			
Occupants	Hr/Day	DAMAGED (OR SIGNIFICANTLY	DAMAGED THER	MAL INSULATION
<u></u>	Days/Yr:	DAMAGED F	RIABLE SURFACING	G MATERIAL	
		SIGNIFICAN	TLY DAMAGED FRI	ABLE SURFACIN	IG MATERIAL
HVAC ys	ems Type	<u> </u>			BLE MISC MATERIAL
FORCE	D AIR				DEE BINC, MAIERIAL
HOT W	ATER ONLY	7	POTENTIAL FOR DA		
<u>=</u>	ED WATER ONLY		POTENTIAL FOR SIG		<u>!</u>
HOT/	CHILLED WATER	ANY REMAI	NING FRIABLE ACBI	M OR SUSPECT A	СВМ
NO HV	AC				

TLOOS USBIMOD

	OUS AREA DATA	A SHEET			1		
DATE <u>10-</u>	22-97		HOMOGENEO	OUS AREA#	254		
PROJ <mark>ECT NAM</mark> E	E & NO. day (- VARIO	MATERIAL D		•	(Uniqe fissue	
BUILDING NAM	IE & NO. <u>C2 L4</u>	YTON	ROOM NO./ Lo	OCATION			
NSPECTOR (1)	1 Phodes		INSPECTOR (2	2) <u>C CRAI</u>	1		
DDHacins i		Material Description	Estimated Amounts		Material Cond. Excellent		
		Key Comments:	Sq. Ft. 280 Lin. Ft. Number	(Fittings)	Very Good Good Fair		
Misc	- 12		Number	:			
Building Desc	ription:		Sample Nu	mbers_	R	esults	
			<u> 442-24</u>	0]	_~	2	
Friable	Damage Damage		Deterioration Delamination	Vibration	Air Flow High Plenum Mod Duct		
Yes			>10% <10%	Severe Heavy			
₩3	> 5% < 5% Name>	> 5% < 5% None	> 5% < 5% ✓¥erie	Mod Lig ht None	Lew Non	1	
Surface Texture	Thermal Expansion	Accessibility	Maint. Custodial	Barrier	rs -	Damage Potential	
Remen	High	High	High	Yes J M o⊃		High	
Med	Mod	∠⊴⁄⁄⁄রক্ত	Mod	Perm		Mod	
Smooth	Low None	Low None	None None	Temp		None None	
Average Daily	Duration of use	Assessn	nent:				
Occupants	Hr/Day		OR SIGNIFICANTLY FRIABLE SURFACIN		rmal ins	ULATION	
	Days/Yr:					1	
HVAR Sys	terns Type:		NTLY DAMAGED FRI				
FORCE	ED AIR	ACBM WITH	H POTENTIAL FOR D	AMAGE			
· ==	ATER ONLY ED WATER ONLY	ACBM WITH POTENTIAL FOR SIGNIFICANT DAMAGE					
, —	CHILLED WATER	ANY REMA	INING FRIABLE ACB	M OR SUSPECT	АСВМ		

	Pickering Environmental	Surveyor. 🗵 TPF Proj. (-22-012 Enodes 9 k_11962.c	Addre	ng: <u>CR LA</u> ss: <u>Claires</u> Contact:	Sheet o	
Sample Number	LOCATION	TYPE OF MATERIAL	ACCESSIBILITY	PHYSICAL CONDITION OF AREA SAMPLED	FRIABILITY OF MATERIAL SAMPLED	ACTIVITY OF AREA SAMPLED PEOPLE TRAFFIC	WATER Damage
GAZ- LBP-	Room ALL INTERIOR WALLS Space COLOR: LIGHT TAN Floor		FOA HICH	G000 P00R	HCH HOO HON		YES NO
CONTENT	ALL INTERIOR WALLS LIGHT TAN ND	COMMENTS: THIS	is THE A	DMINANT COL	OR OF THE	INTERIOR	
GA7-	Room Au INTERIOR WALLS Space COLOR: BROWN Floor		HICH MOD LOW	G000 P00R	MOH —— HICH	FO.M MO.D HICH	YES
CONTENT	ALL INTERIOR WALLS	COMMIENTS: /NTERLO	e valls	- LOWEL P	олетор		
GAZ- LEP-	Room Papes Space TATTERIOR SIDE OF DOR Floor		FOM TOO	G000 P00R		FOM MOD HICH	YES
CONTENT	TATERIOR DOORS	COMMENTS:					
GA2- LB P.0	Room Space Floor		FOM MOD HICH	0000 POOR	NON FO.M HICH	FO.M HICH	YES
CONTENT	LINTERIOR DOOR FRAME	COMMENTS:	<u>, , , , , , , , , , , , , , , , , , , </u>				

	Pickering Environmental	TPF Proj.	22-92 thodas/ce 1.11962.0	1		Sheet 0'	
Sample Number	LOCATION	TYPE OF MATERIAL	ACCESSIBILITY	PHYSICAL CONDITION OF AREA SAMPLED	FRIABILITY OF MATERIAL SAMPLED	ACTIVITY OF AREA SAMPLED PEOPLE TRAFFIC	WATER DAMAGE
GA2- BPas	RoomSpaceFloor		FOM MCO HICH	C000 P00R	HICH HICH HICH	HGH LOW	YES NO
CONTENT	EXTERIOR DOORS	COUNENTS: NOT AMALYNED					
GA2- 6000 1-BP500	RoomSpaceFloor		HCH HOW	C000 POOR	NON FOM HICH	FOM PICH	NO YES
сонтент	Exterior Door Frame	COMMENTS: NOT AMALYER	' O				
GAZ LBP03	Room		HIGH LOW	C000 P00R	KON KOW HICH	FOM M:00 H:CH	YES NO
CONTENT	EXTERIOR WILLOW FRAME MAROON 1.4	COMMENTS:					
GAZ. LBPS	Room Space Floor		HGH	0000 POOR	HICH LOW NON	FOM	YES
CONTENT	TAN 4.5	COMMENTS:					

5	Pickering Environmental	Surveyor TPF Proj	-22-92 Tchodes/ ! 11962-6	≊ni ⊙ Addre	ng: <u>CP LA</u> ss: <u>Gnandes</u> Contact:	Sheet 0	
Sample Number	LOCATION	TYPE OF MATERIAL	ACCESSIBILITY	PHYSICAL CONDITION OF AREA SAMPLED	FRIABILITY OF MATERIAL SAMPLED	ACTIVITY OF AREA SAMPLED PEOPLE TRAFFIC	WATER DAMAGE
GAZ- 642- LBP-01	Room Space Floor		HICH	C000 P00R	HGH HON	FOM NOD HICH	YES NO
CONTENT	PIPE INSULATION TACKET WHITE <.5				SULATEDNI EN PAINTEO	WAS WEAPHED WHITE.	
GA7- LBRIO	RoomSpace		HGH HO0 HOW	C000 POOR	HICH NOO LOW	HICH	YES
CONTENT	PADIATOR COVER TAN <.5	COMMENTS: WITE	MESH <	.OVER 4,3	ZADIATE	PE	
GAZ- 600 LBP-11	RoomSpaceFloor		HICH MOO LOW	0000 POOR	—— NON —— FOM —— HICH	HICH MOO LOW	YES NO
CONTENT	BARE PIPE PAINT	CONNENTS: BAR	E PIPES	FROM STEA	u LINES	70 ZADIATORS	
GAZ- LBP-12	RoomSpaceFloor		FOA.	G000 P00R	—— HON —— FOM —— HICH	FOM HICH	YES
CONTENT	BACE PIPE PAINT BROWD <.5	1		rom steam walls)	LINES TO	PADIMORS	

	Dialasias					Sheet o	
Pickering Environmental		Date: 10-22-92 Building: C.D. haytul Surveyor: Photos (CDaig Address: Garagaille TPF Proj. 1: 119(22.01) Client Proj. 1: Client Contact:					
Sample Number	LOCATION	TYPE OF MATERIAL	VCCE223BITITA	PHYSICAL CONDITION OF AREA SAMPLED	FRIABILITY OF MATERIAL SAMPLED	ACTIVITY OF AREA SAMPLED PEOPLE TRAFFIC	WATER DAMAGE
GAZ- LBP- 13	Room Space Floor		FOM HICH	0000 POOR		TOM HIGH	YES
CONTENT	TAN 4.5	COMMENTS:					
GAZ- LBP- It	Roam		HICH	C000 P00R	HICH NO0 LOW - NON	FO.M MO.D HICH	YES
CONTENT	INTERIOR WALL PAINT DARK GREEN <.5	COUNTENTS: LOCATE	ED IN T	HE MEHS	RESTERON		
GAZ- LBP- 15	Room		HICH HICH	600 0 P00 R	—— ИОН —— ГОМ —— НІСН	FOM MOD HICH	YES
CONTENT	LIGHT GREEN <.5	COMMENTS: 1,4	Bowere	TROOM & st	ENERAL VARIO	ous weaton	
GAZ- 1-8P- 16	RoomSpaceFloor		FO.M. M.CO. H.CH	0000 POOR	NON NON LOW HICH	FOM NOD HICH	YES
CONTENT	THERIOR WALL PAINT	COUNTRY LOCA	ATED IN GETT	Joilek Foom			

<i></i>	D. I .					Sheet of		
Pickering Environmental		Date: 10-22-92 Surveyor: Phodes / Czaka Address: Gainesville TPF Proj. 1: 11962.01 Client Proj. 1: Client Contact:				<u> </u>		
SAMPLE NUMBER	LOCATION	TYPE OF MATERIAL	ACCESSIBILITY	PHYSICAL CONDITION OF AREA SAMPLED	FRIABILITY OF MATERIAL SAMPLED	ACTIVITY OF AREA SAMPLED PEOPLE TRAFFIC	WATER DAMAGE	
GA2- LBP- 17	Room KITCHEN Space Floor		HGH	0000 POOR	HGH HGH HGH	FOM NOO HICH	YES	
CONTENT	KITCHED WALL PAINT WHITE <.5	COMMENTZ:						
GAZ - LBP - 18	Room <u>LITENED</u> Spoce ————————————————————————————————————		FOM	COOO POOR	HICH	гом лоо насн	YES	
CONTENT	KITCHEN FLOOR PAINT GREN	CONVENTS: NOT AMALYZ	どう					
GAZ- LBP- 19	Room		FOM HICH	G000 P00R	HICH WOJ MOJ MOM	TOM HICH	YES	
CONTENT	WALL PRINT ROOM#106	COMMENTS:					YES	
GAZ - LBP- ZO	Room		FOM 	0000 POOR	HCH	FOA MOD HICH	NO	
CONTENT	EXTERIOR DOOR	COUNCHTS: DALY	0DE D0	OR THIS		CATED JUST		

	Pickering Environmental	Surveyor: TPF Proj	22-92 RHODES/CAA 1962.01	Addre:	SS: _GAINESY	Sheet of	
SAMPLE NUMBER	LOCATION	TYPE OF MATERIAL	ACCESSIBIUTY	PHYSICAL CONDITION OF AREA SAMPLED	FRIABILITY OF MATERIAL SAMPLED	ACTIVITY OF AREA SAMPLED PEOPLE TRAFFIC	WATER DAMAGE
GAZ - UBP - 21	RoomSpaceFloor		HICH LOW	G000 P00R	HIGH	FO.M WO.D HICH	YES NO
CONTENT	GARAGE DOOR FRAME RED PRIMER 1-2	COMMENTS:					
GAZ- LBP- ZZ	Room Space Floor		HGH	C000 P00R	NON	FOA. MOO HICH	YES NO
CONTENT	HAZARO MARKER AT BASE OF GARAGE DOOR YELLOW . 390	COMMENTS:					
GAZ- L8P- Z3	RoomSpaceFloor			COOO POOR	HICH HON	FOM NOO HICH	YES
CONTENT	FIRING RANGE Savio 7.9	COMMENTS: SAM	D LOCATED	JU PIT AT	THE ENO	OF THE PAN	
GAZ- LBP- ZY	RoomSpacefloor		FOM MOD HICH	0000 POOR	HIGH MO0 LOW NON	FOA.	YES NO
CONTENT	FIRIDA RANGE SAND 2.9	CONNENTS: SAMO	LOCATED	IN PIT AT	THE END O	E THE PANGE	

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	Pickering Environmental	Surveyor: . TPF Proj.) · z · 9 = Phodes / Ci f: 1982.01			Sheet 0 -4702 UE	
		Client Pro	i <i>t</i>	Client	Contact:		
Sample Number	LOCATION	TYPE OF MATERIAL	ACCESSIBIUTY	PHYSICAL CONDITION OF AREA SAMPLED	FRIABILITY OF MATERIAL SAMPLED	ACTIVITY OF AREA SAMPLED PEOPLE TRAFFIC	WATER DAMAGE
GAZ- LBP-	Room Space Floor		F0.M	C000 P00R	— HICH	FO.M. MO.D. HICH	YES NO
CONTENT	FIRING RAVEE SAND 21	COMMENTS:	LOCATED II	S PIT AT	THE END OF	THE FIRING	
CAZ. LBP- ZC	Room Spoce Noor		FOM MOD HICH	0000 POOR	HONHON	M01	YES
CONTENT	FIRIDGE RADGE 9.4 BLACK DEFLECTION WALL		ECTION WAL	LOCATEO A	AT THE ENC	OF THE FIR	einig Ran
GAZ- JBP- 27	Room		FOM MOD HICH	G000 P00R	HICH LOW NON		YES
CONTENT	HIRING RANGE LIS	COMMENTS:					
	RoomSpaceFloor		HCH	0000 POOR	NON FOM NICH	HICH MOD LOW	YES
		COMMENTS:					

CONTENT

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er. Analytica Group company

18000 W. Highway 72 Golden CO 80403-8299 (303) 420-4449 (800) 873-8707 FAX: (303) 420-1434

RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

LGN: 302992 Client: Pickering Firm Inc.

Page: 1 of 12 Project ID: 11962.01, Jax Coe, Various, CR Layton

Sample Description:					
Sample Number	Sample Date	Description	ı		
GA2-01-01*	10/22/92	Aircell wit	h wrap		
GA2-01-01 [A]	10/22/92	Aircell			
GA2-01-01 [B]	10/22/92	Wrap			
GA2-01-02*	10/22/92	Aircell wit	h wrap		
@#2-01-02 [A]	10/22/92	Aircell			
Results of PLM Analys:					C22 01 02 (2)
Sample Number: <u>GA</u>	2-01-01* G.	A2-01-01 [A]	GAZ-01-01 [B]	GA2-01-02*	GAZ-01-02 [A]
Asbestiform Minerals:					
Amosite Anthophyllite					
Chrysotile	36	40		54	60
Crocidolite			***************************************		
Tremolite-Actinolite					
TOTAL ASBESTOS	36	40	Additional Conference of the C	<u> </u>	60
Other Fibrous Material Fibrous Glass	s:				
Cellulose	54	50	90	23	15
Synthetics				A. S. AL-MAN W. S. A. MANAGEMENT	
Other:		-			444
Percent Nonfibrous					
Material	10	10	10	23	25
* Composite analysis	(multilayered	sample, see i	individual layer	analyses).	
Analyst:	(F)			Date	e: <u>11/06/92</u>

Fritz Fischer



18000 W. Highway 72 Golden, CO 80403-8299 (303) 420-4449 (800) 873-8707 FAX: (303) 420-1434

RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc.

LGN: 302992

Project ID: 11962.01, Jax Coe, Various, CR Layton

Page: 2 of 12

Project ID: 11962.01,	Jax Coe, Vario	ous, CR Layt	on	Page:	2 of 12
Sample Description:					
Sample Number	Sample Date	Description	<u> </u>		
GA2-01-02 [B]	10/22/92	Wrap			<u></u>
GA2-01-03*	10/22/92	Aircell wi	th wrap		
GAZ-01-03 [A]	10/22/92	Aircell	/#P-#W-4F-W-4		
GA2-01-03 [B]	10/22/92	Wrap			
C=2 <u>-01-04</u> *	10/22/92	Aircell wi	ith wrap		
·					
Results of PLM Analys:	is: Visual	Area Estimat	ion: Percentages	Detected	
Sample Number: <u>GA</u>	2-01-02 [B] G.	A2-01-03*	GA2-01-03 [A]	GA2-01-03 [B]	GA2-01-04*
Asbestiform Minerals:					
Amosite					
Anthophyllite					
Chrysotile		41	<u>45</u>		54
Crocidolite .	erreturista de la companya del companya del companya de la companya del la companya de la compan				***************************************
Tremolite-Actinolite	····		· · · · · · · · · · · · · · · · · · ·		
TOTAL ASBESTOS	<u> </u>	41	45	0	54
Other Fibrous Material	s:				
Fibrous Glass					
Cellulose	90	23	15	90	23
Synthetics	W				
Other:					
Percent Nonfibrous					
Material	10	36	40	10	23
* Composite analysis	(multilayered	sample, see	individual layer	analyses).	
Analyst:	-A-1			Date:	11/06/92
Fritz Fischer				Date.	<u> </u>



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RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

LGN: 302992 Client: Pickering Firm Inc.

Page: 3 of 12 Project ID: 11962.01, Jax Coe, Various, CR Layton

Sample Description:

Sample Number	Sample Date	Description	ļ		
GA2-01-04 [A]	10/22/92	Aircell			
GA2-01-04 [B]	10/22/92	Wrap		***************************************	
GA2-02-01*	10/22/92	Insulation	with wrap		
GA2-02-01 [A]	10/22/92	Insulation			
GA2-02-01 [B]	10/22/92	Wrap			
Results of PLM Analysi			ion: Percentage		GA2-02-01 [B]
Asbestiform Minerals:					
Aspestitorm Minerals: Amosite			5	5	
Anthophyllite _					
Chrysotile	60		9	10	
Crocidolite					
Tremolite-Actinolite			W		
TOTAL ASBESTOS	60	0	14	15	C
Other Fibrous Material:	s:				
Fibrous Glass		·····	A-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	ADDITION OF THE REAL PROPERTY.	
Cellulose .	15	8.5	99		90
Synthetics					
Other:			V-100-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		and the same of th
Percent Nonfibrous					
Material	25	15	77	85	10
* Composite analysis	(multilayered	sample, see .	individual laye	r analyses).	
Analyst:	A			Date:	11/06/92

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RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc.

Fritz Fischer

LGN: 302992

Project ID: 11962.01, Jax Coe, Various, CR Layton

Page: 4 of 12

Sample Number	Sample Date	Description	<u> </u>		
GA2-02-02*	10/22/92	Insulation	with wrap		
GA2-02-02 [A]	10/22/92	Insulation			
GA2-02-02 [B]	10/22/92	Wrap			
GA2-02-03*	10/22/92	Insulation	with wrap		
GP2-02-03 [A]	10/22/92	Insulation		····	
Results of PLM Analys	is: Visual	Area Estimat:	ion: Percentages	Detected	
Sample Number: <u>GA</u>	32-02-02* <u>G</u>	A2-02-02 [A]	GA2-02-02 [B]	GA2-02-03*	GA2-02-03 [A]
Asbestiform Minerals:					
Amosite	3	3		5	5
Amosite Anthophyllite Chrysotile Crocidolite	9	10		6.3	70
Amosite Anthophyllite Chrysotile Crocidolite Tremolite-Actinolite			0		
Amosite Anthophyllite Chrysotile Crocidolite Tremolite-Actinolite TOTAL ASBESTOS Other Fibrous Material	12	10		6.3	70
Amosite Anthophyllite Chrysotile Crocidolite Tremolite-Actinolite TOTAL ASBESTOS Other Fibrous Material Fibrous Glass Cellulose Synthetics	12	10		6.3	70
Amosite Anthophyllite Chrysotile Crocidolite Tremolite-Actinolite TOTAL ASBESTOS Other Fibrous Material Fibrous Glass Cellulose	<u>12</u>	10	0	63 68	70



18000 W. Highway 72 Golden. CO 80403-8299 (303) 420-4448 (800) 873-8707 FAX (303) 420-1434

RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc.

LGN: 302992

Project ID: 11962.01, Jax Coe, Various, CR Layton

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Sample Number	Sample Date	Description			
GA2-02-03 [B]	10/22/92	Wrap			
GA2-03-01*	10/22/92	Aircell wit	h wrap		
GA2-03-01 [A]	10/22/92	Aircell			
GA2-03-01 [B]	10/22/92	Wrap			
GA2-03-02*	10/22/92	<u>Aircell wit</u>	h wrap		
Sample Number: G	A2-02-03 [B] G	A2-03-01*	GA2-03-01 [A]	GA2-03-01 [B]	GA2-03-02*
Sample Number: G3 Asbestiform Minerals: Amosite Anthophyllite Chrysotile	A2-02-03 [B] G		**************************************	GA2-03-01 [B]	GA2-03-02*
asbestiform Minerals: amosite anthophyllite Chrysotile Crocidolite	A2-02-03 [B] G	<u>A2-03-01*</u> 	GA2-03-01 [A]	GA2-03-01 [B]	
asbestiform Minerals: amosite anthophyllite Chrysotile Crocidolite	A2-02-03 [B] G		**************************************	GA2-03-01 [B]	
Asbestiform Minerals: Amosite Anthophyllite Chrysotile Crocidolite Fremolite-Actinolite TOTAL ASBESTOS Other Fibrous Materia	0	36	40	GA2-03-01 [B]	54
Asbestiform Minerals: Amosite Anthophyllite Chrysotile Crocidolite Fremolite-Actinolite TOTAL ASBESTOS Other Fibrous Materia Fibrous Glass Cellulose Synthetics	0	36	40	GA2-03-01 [B]	54
Asbestiform Minerals: Amosite Anthophyllite Chrysotile Crocidolite Fremolite-Actinolite TOTAL ASBESTOS	0 1s:	36	40	0	54



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RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc.

LGN: 302992

Page: 6 of 12

Project ID: 11962.01,	Jax Coe, Vario	ous, CR Layto	n	Page:	6 of 12
Sample Description:					
Sample Description.					
Sample Number	Sample Date	Description	<u>n</u>		
GA2-03-02 [A]	10/22/92	Aircell	-		
GA2-03-02 [B]	10/22/92	Wrap			· · · · · · · · · · · · · · · · · · ·
GA2-03-03*	10/22/92	Aircell wi	th wrap		
GA2-03-03 [A]	10/22/92	Aircell			
G42-03-03 [B]	10/22/92	Wrap			
Results of PLM Analys	is: Visual	Area Estimat	<u>ion: Percentages</u>	Detected	
Sample Number: <u>GA</u>	2-03-02 [A] G	A2-03-02 [B]	GA2-03-03*	GA2-03-03 [A]	GA2-03-03 [B]
Asbestiform Minerals:					
Amosite			**************************************		
Anthophyllite		****	2.5	4.0	All the transport of th
Chrysotile	60		36	40	***
Crocidolite Tremolite-Actinolite				<u> </u>	
rremofite-Actinolite					
TOTAL ASBESTOS	60	<u></u>	36	40	0
Other Fibrous Material	5:				
Fibrous Glass					
Cellulose .	20	90	45	40	90
Synthetics					
Other:					
Percent Nonfibrous					
Material	20	10	19	20	10
* Composite analysis	(multilayered	sample, see	individual layer	analyses).	
2	14 7				
Analyst: Fritz Fischer	-KI			Date:	11/06/92
- x 1 1 1 1 2 CHC 1	•				



:- Analytica Group company

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RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc. LGN: 302992 Project ID: 11962.01, Jax Coe, Various, CR Layton Page: 7 of 12 Sample Description: Sample Number Sample Date Description GA2-03-04* 10/22/92 Aircell with wrap GA2-03-04 [A] 10/22/92 <u>Aircell</u> GA2-03-04 [B] 10/22/92 Wrap GA2-04-01* 10/22/92 Insulation with wrap GA2-04-01 [A] 10/22/92 Insulation Results of PLM Analysis: Visual Area Estimation: Percentages Detected Sample Number: GA2-03-04* GA2-03-04 [A] GA2-03-04 [B] GA2-04-01* GA2-04-01 [A] Aspestiform Minerals: Amosite 23 25 Anthophyllite Chrysotile 68 75 Crocidolite Tremolite-Actinolite TOTAL ASBESTOS 68 Other Fibrous Materials: Fibrous Glass Cellulose 90 10 Synthetics Other: Percent Nonfibrous 23 25 10 44 50 * Composite analysis (multilayered sample, see individual layer analyses). Date: 11/06/92



& Analytica Group company

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RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc. LGN: 302992 Project ID: 11962.01, Jax Coe, Various, CR Layton Page: 8 of 12 Sample Description: Sample Number Sample Date Description GA2-04-01 [B] 10/22/92 Wrap <u>GA2-04-02</u> 10/22/92 Insulation GA2-04-03* 10/22/92 Insulation with wrap GA2-04-03 [A] 10/22/92 Insulation GA2-04-03 [B] 10/22/92 Wrap Results of PLM Analysis: Visual Area Estimation: Percentages Detected Asbestiform Minerals: Amosite 3.0 36 40 Anthophyllite Chrysotile 25 Crocidolite Tremolite-Actinolite TOTAL ASBESTOS ____0 50 59 65 Other Fibrous Materials: Fibrous Glass Cellulose 95 90 Synthetics Other: Percent Nonfibrous Material 50 ____32____ 35 10 * Composite analysis (multilayered sample, see individual layer analyses). Date: <u>11/06/92</u>



Percent Nonfibrous

Material

Client: Pickering Firm Inc.

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LGN: 302992

RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Project ID: 11962.01, Jax Coe, Various, CR Layton 9 of 12 Page: Sample Description: Sample Number Sample Date Description GA2-04-04* 10/22/92 Insulation with wrap GA2-04-04 [A] 10/22/92 Insulation GA2-04-04 [B] 10/22/92 Wrap GA2-05-01* 10/22/92 Aircell with wrap GA2-05-01 [A] 10/22/92 Aircell Results of PLM Analysis: Visual Area Estimation: Percentages Detected Sample Number: GA2-04-04* GA2-04-04 [A] GA2-04-04 [B] GA2-05-01* GA2-05-01 [A] Asbestiform Minerals: Amosite Anthophyllite Chrysotile Crocidolite Tremolite-Actinolite TOTAL ASBESTOS 16 17 Other Fibrous Materials: Fibrous Glass Cellulose 86 Synthetics Other:

* Composite analysis (multilayered sample, see individual layer analyses).

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Analyst:

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Date: 11/06/92

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RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Fir	m Inc.			I	.GN: 302992
Project ID: 11962.01,	Jax Coe, Vario	ous, CR Layi	ton	Pa	ge: 10 of 12
Sample Description:					
Sample Number	Sample Date	Description	<u>2n</u>		
GA2-05-01 [B]	10/22/92	Wrap			
GA2-05-02*	10/22/92	Aircell wi	th wrap		
GA2-05-02 [A]	10/22/92	Aircell			
GA2-05-02 [B]	10/22/92	Wrap			
GA2-05-03*	10/22/92	Aircell wi	th wrap		
Results of PLM Analys: Sample Number: GAZ Asbestiform Minerals: Amosite Anthophyllite Chrysotile Crocidolite Tremolite-Actinolite TOTAL ASBESTOS			ion: Percentage: GA2-05-02 [A] 25		9 9
Other Fibrous Materials Fibrous Glass Cellulose Synthetics Other:	90	64	60	95	77
	-	13	15	5	14
* Composite analysis (multilayered sa	emple, see	individual layer	analyses). Date	: <u>11/06/92</u>



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RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc.

LGN: 302992

Project ID: 11962.01, Jax Coe, Various, CR Layton

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Samp.	Le	De.	<u> </u>	ri	pt	i	on	:

Sample Description:					
Sample Number	Sample Date	Description			
GA2-05-03 [A]	10/22/92	Aircell			
GA2-05-03 [B]	10/22/92	Wrap			
GA2-05-04*	10/22/92	Aircell with v	wrap		
GA2-05-04 [A]	10/22/92	Aircell			
GA2-05-04 [B]	10/22/92	Wrap		<u> </u>	
Results of PLM Analys	i s : Visual A	urea Estimation:	: Percentage	s <u>Detected</u>	
Sample Number: GA2	2-05-03 [A] GA	.2-05-03 [B] <u>G</u>	N2-05-04*	GA2-05-04 [A]	GA2-05-04 [B]
Asbestiform Minerals: Amosite					
Anthophyllite					
Chrysotile	10		36	4.0	
Crocidolite		M	<u></u>	50	
Tremolite-Actinolite _					-
TOTAL ASBESTOS	10	0	36	40	0
Other Fibrous Materials	;				
Fibrous Glass					
Cellulose	75	90	51	a.c.	
Synthetics				45	95
Other:					
Percent Nonfibrous					
Material	15	10	13	- F	
* Composite analysis /			***************************************	<u> </u>	5
* Composite analysis (mutcitayered s	ampie, see indi	vidual layer	analyses).	
Analyst:	MY			D-+	11/06/02
Fritz Fischer	, ,	111:4-1		Date:	11/06/92



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RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc. LGN: 302992 Project ID: 11962.01, Jax Coe, Various, CR Layton Page: 12 of 12

Sample Number	Sample Date	Description			
GA2-06-01*	10/22/92	Aircell with	wrap		
GA2-06-01 [A]	10/22/92	Aircell			
GA2-06-01 [B]	10/22/92	Wrap			
White the same of	NAMES OF THE PERSON NAMES	**************************************			
-					
Results of PLM Analys	is: Visual A		.	· Dotombod	
		<u> Trea Estimation</u>	n: Percentages	<u> </u>	
Sample Number: <u>GA</u>					
Sample Number: GA					
Sample Number: <u>GA</u> Asbestiform Minerals: Amosite					
Sample Number: <u>GA</u> Asbestiform Minerals: Amosite Anthophyllite	2-06-01* <u>G</u> A	2-06-01 [A] (20			
Sample Number: <u>GA</u> Asbestiform Minerals: Amosite Anthophyllite Chrysotile	2-06-01* GA	2-06-01 [A] (GA2-06-01 [R]		
Sample Number: <u>GA</u> Asbestiform Minerals: Amosite Anthophyllite Chrysotile Crocidolite	2-06-01* <u>G</u> A	2-06-01 [A] (20	GA2-06-01 [R]		
Sample Number: <u>GA</u> Asbestiform Minerals: Amosite Anthophyllite Chrysotile Crocidolite	2-06-01* <u>G</u> A	2-06-01 [A] (20	GA2-06-01 [R]		
Sample Number: GA Asbestiform Minerals: Amosite Anthophyllite Chrysotile Crocidolite Tremolite-Actinolite	2-06-01* <u>G</u> A	2-06-01 [A] (20	GA2-06-01 [R]		
Sample Number: GA Asbestiform Minerals: Amosite Anthophyllite Chrysotile Crocidolite Tremolite-Actinolite TOTAL ASBESTOS	2-06-01* GA 18 32 50	20 	SA2-06-01 [R]		
Sample Number: GA Asbestiform Minerals: Amosite Anthophyllite Chrysotile Crocidolite Tremolite-Actinolite TOTAL ASBESTOS Other Fibrous Material:	2-06-01* GA 18 32 50	20 	SA2-06-01 [R]		
Sample Number: GA Asbestiform Minerals: Amosite Anthophyllite Chrysotile Crocidolite Tremolite-Actinolite TOTAL ASBESTOS Other Fibrous Material: Fibrous Glass	2-06-01* GA 18 32 50	20 	GA2-06-01 [R]		
Sample Number: GA Asbestiform Minerals: Amosite Anthophyllite Chrysotile Crocidolite Tremolite-Actinolite TOTAL ASBESTOS Other Fibrous Material: Fibrous Glass Cellulose	2-06-01* GA 18 32 50	20 	SA2-06-01 [R]		
Sample Number: GA Asbestiform Minerals: Amosite Anthophyllite Chrysotile Crocidolite Tremolite-Actinolite TOTAL ASBESTOS Other Fibrous Material: Fibrous Glass Cellulose Synthetics	2-06-01* GA 18 32 50	20 	GA2-06-01 [R]		
Sample Number: GA Asbestiform Minerals: Amosite Anthophyllite Chrysotile Crocidolite Tremolite-Actinolite	2-06-01* GA 18 32 50	20 	GA2-06-01 [R]		

Analyst:	47)		
Fritz Fischer		Date:	11/06/92

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RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc.

Jeff Wingerter

LGN: 302994

Project ID: 11962.01, Jax Coe, Various, CR Layton G'ville

Page: 2 of 13

Sample Description:					
Sample Number	Sample Date	Description	<u>en</u>		
GA2-13-03 [B]	10/22/92	Adhesive			
GA2-14-01*	10/22/92	Cove base	with adhesive		
GA2-14-01 [A]	10/22/92	Cove base			
GA2-14-01 [B]	10/22/92	<u>Adhesive</u>			
GA2-14-02	10/22/92	Cove base			
Results of PLM Analysi Sample Number: GA2			ion: Percentages		I GA2-14-02
Asbestiform Minerals:			Ashed		Ashed
Anthophyllite Chrysotile Crocidolite Tremolite-Actinolite					
TOTAL ASBESTOS	0	0	0	0	0
Other Fibrous Materials Fibrous Glass Cellulose Synthetics Other:					
Percent Nonfibrous Material	100	100	100	100	100
* Composite analysis (m	nultilayered sa	ample, see i	ndividual layer	analyses).	
alyst: Jeff Wingerter	M			Date	o: <u>11/07/92</u>



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RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc.

LGN: 302994

Project ID: 11962.01, Jax Coe, Various, CR Layton G'ville

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	ion	
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Sample Number	Sample Date	<u>Description</u>		
GA2-13-02*	10/22/92	Cove base with adhsive		
GA2-13-02 [A]	10/22/92	Cove base		
GA2-13-02 [B]	10/22/92	Adhesive		
GA2-13-03*	10/22/92	Cove base with adhesive		
GA2-13-03 [A]	10/22/92	Cove base		
Results of PLM Analysi Sample Number: GA2		area Estimation: Percentago 2-13-02 [A] GA2-13-02 [B		GA2-13-03 [A]
Asbestiform Minerals:		Ashed		Ashed
Anthophyllite _			·····	
Chrysotile	***************************************			
Crocidolite			**	****
Tremolite-Actinolite _		A		
TOTAL ASBESTOS _	0	00	0	0
Other Fibrous Materials Fibrous Glass	;			·
Cellulose <u>T</u>	race <1%	Trace <1%	***************************************	****
Synthetics _		11305 113		<del></del>
Ocher:				
Percent Nonfibrous Material	99	100 99	100	100
* Composite analysis (r	multilayered sa	ample, see individual laye		<u> </u>
Analyst: 2	4)		Date:	11/07/92



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# RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc.

LGN: 302993

Project ID: 11962.01, Jax Coe, Various, CR Layton, G'ville

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### Sample Description:

Sample Number	Sample Date	Descript:	<u>ion</u>			
GA2-06-02	10/22/92	Insulatio	on with wrap (in	separable)		
GA2-06-03	10/22/92	Insulation with wrap (inseparable)				
GA2-07-01	10/22/92		on with wrap (in			
GA2-07-02	10/22/92		on with wrap (in			
GA2-07-03	10/22/92	Insulation				
Results of PLM Analys			tion: Percentag			
Sample Number: GF	42-06-02 GA	A2-06-03	GA2-07-01	GAZ-07-02	GA2-07-03	
Asbestiform Minerals:						
Amosite	10	- A				
Anthophyllite	<u></u>	15		5		
Chrysotile	3 1				***************************************	
Crocidolite	15	10		Trace <1%		
Tremolite-Actinolite						
rremorres-Actiuotite						
TOTAL ASBESTOS	25	25	0	6		
Othor Diameter					<u> </u>	
Other Fibrous Material Fibrous Glass	s:					
~ * * * *			30	30		
· · · · · · · · · · · · · · · · · · ·	<u>Trace &lt;1€</u>	Trace <1%		2	3 5	
Synthetics			······································		Trace <13	
Other:				<del></del>		
				**************************************		
Percent Nonfibrous						
Material	7.4	74				
•		, <del>1</del>		62	64	
D	- / .					
Analysr .	3/ 1					

Analyst: \$\mathcal{Y}\)	•	
Jeff Wingerter	Date:	11/06/92



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## RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc.

LGN: 302993

Project ID: 11962.01, Jax Coe, Various, CR Layton, G'ville

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Sample	Desci	כונים	n non •
			<del></del>

Sample Number	Sample Date	Descriptio	<u>on</u>		
GA2-08-01	10/22/92	Brown mate	rial		
GA2-08-02	10/22/92	Black mate	rial		
GA2-08-03	10/22/92	Black mate	rial		
GA2-09-01	10/22/92	Woven mate	rial		
GA2-10-01*	10/22/92	Brown insu	lation with bl	ack material	
Results of PLM Analysi	***************************************		ion: Percentage	es Detected	
Sample Number: <u>GA2</u>	<u>-08-01</u> GF	A2-08-02	GA2-08-03	GA2-09-01	GA2-10-01*
Asbestiform Minerals: Amosite Anthophyllite Chrysotile Crocidolite Tremolite-Actinolite				65	
TOTAL ASBESTOS _	0	0	0	65	0
	race <1%	Trace <1% Trace <1%	Trace <1% Trace <1% 5	5	62
Percent Nonfibrous Material	94	94	94	30	38
* Composite analysis (r	nultilayered sa	ample, see ì	ndividual laye	r analyses).	
Analyst: Jeff Wingerter	<u> </u>	A	A section of the sect	Date	: 11/06/92



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## RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc.

LGN: 302993

Project ID: 11962.01, Jax Coe, Various, CR Layton, G'ville

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Sample Number	<u>Sample Date</u>	Description			
GA2-10-01 [A]	10/22/92	Brown insulation			
GA2-10-01 [B]	10/22/92	Black material			
GA2-10-02*	10/22/92	Black material w	ith tarry	material	
GA2-10-02 [A]	10/22/92	Black material			
GA2-10-02 [B]	16/22/92	Tarry material			
Results of PLM Analys: Sample Number: GA		area Estimation: Pe			GA2-10-02 Ini
Asbestiform Minerals:					<u> </u>
Amosite					
Anthophyllite	· · · · · · · · · · · · · · · · · · ·			•	
Chrysotile					
Crocidolite					***
Tremolite-Actinolite _					
TOTAL ASBESTOS	0	0	0	0	J
Other Fibrous Materials					
Fibrous Glass	1 2				
Celiulose	***************************************				
	75	<u> 25</u>	8	Trace <1%	30
Synthetics			· ···		
Other: -					
Percent Nonfibrous					
Material	25				
naceria:		75	92	99	70
* Composite analysis (	multilayered s	ample, see individ	ual layer	analyses).	
Analyst:	11	:			
Jeff Wingerter	K''-			Date:	11/06/92



Analyst:

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## RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc.

LGN: 302993

Date: <u>11/06/92</u>

Project ID: 11962.01, Jax Coe, Various, CR Layton, G'ville

Page: 4 of 6

Sample Description:					
Sample Number	Sample Date	Descripti	<u>or</u>		
GA2-10-03	10/22/92	Loose Ins	ulation		
GA2-10-04*	10/22/92	Black ins	ulation with tarr	y material	
GA2-10-04 [A]	10/22/92	Black insulation			
GA2-10-04 [B]	10/22/92	Tarry mate	erial		
GA <u>2-11-01</u> *	10/22/92	Tan mater	ial with black ma	terial	
Sample Number: GA2 Asbestiform Minerals: Amosite Anthophyllite Chrysotile Crocidolite Tremolite-Actinolite			GA2-10-04 [A]		GA2-11-01*  Trace <13
TOTAL ASBESTOS	O .	0	0	0	Trace <1%
Other Fibrous Materials Fibrous Glass Cellulose Synthetics Other:	90	13	Trace <1%	5.0	83
	10	87	99	50	16
* Composite analysis (r	multilayered sa	imple, see :	indivídual layer	analyses).	



18000 W. Highway 72 Golden, CO 80403-8299 (303) 420-4449 (800) 873-8707 FAX: (303) 420-1434

Date: <u>11/06/92</u>

## RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc. LGN: 302993 Project ID: 11962.01, Jax Coe, Various, CR Layton, G'ville Page: 5 of Sample Description: Sample Number Sample Date Description GA2-11-01 [A] 10/22/92 Tan material GA2-11-01 [B] 10/22/92 Black material GA2-11-02* 10/22/92 Tan material with black material GA2-11-02 [A] 10/22/92 Tan material GA2-11-02 [B] 10/22/92 Black material Results of PLM Analysis: Visual Area Estimation: Percentages Detected Sample Number: GA2-11-01 [A] GA2-11-01 [B] GA2-11-02* GA2-11-02 [A] GA2-11-02 [B] Asbestiform Minerals: Amosite Anthophyllite Chrysotile Trace <1% Crocidolite Tremolite-Actinolite TOTAL ASBESTOS Trace <1% Other Fibrous Materials: Fibrous Glass Cellulose 10 91 95 2<u>5</u> Synthetics Other: Percent Nonfibrous Material 8.5 70 * Composite analysis (multilayered sample, see individual layer analyses).

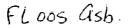


18000 W. Highway 72 Golden, CO 80403-8299 (303) 420-4449

(800) 873-8707 FAX. (303) 420-1434

## RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc. LGN: 302993 Project ID: 11962.01, Jax Coe, Various, CR Layton, G'ville Page: 6 of Sample Description: Sample Number Sample Date Description GA2-12-01 10/22/92 Ceiling tile GA2-12-02 10/22/92 Ceiling tile GA2-12-03 10/22/92 Ceiling tile GA2-13-01 10/22/92 Cove base Results of PLM Analysis: Visual Area Estimation: Percentages Detected Sample Number: <u>GA2-12-01</u> <u>GA2-12-02</u> <u>GA2-12-03</u> <u>GA2-13-01</u> Asbestiform Minerals: Amosite Ashed Anthophyllite Chrysotile Crocidolite Tremolite-Actinolite TOTAL ASBESTOS 0 Other Fibrous Materials: Fibrous Glass Cellulose 30 Synthetics Other: Percent Nonfibrous Material 30 30 ____30 100 * Composite analysis (multilayered sample, see individual layer analyses). Date: <u>11/06/92</u>





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an Analytica Group company

## RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Fi			LGN: 302994
Project ID: <b>11962.0</b> 3	l, Jax Coe, Vari	ous, CR Layton G'ville	Page: 3 of 13
Sample Description:			
Sample Number	Sample Date	Description	
GA2-14-03*	10/22/92	Cove base with adhesive	
GA2-14-03 [A]	10/22/92	Cove base	
GA2-14-03 [B]	10/22/92	Adhesive	
GA2-15-01	10/22/92	Caulk	
GA2-15-02	10/22/92	Caulk	
Results of PLM Analy Sample Number: G		Area Estimation: Percentages Detected 12-14-03 [A] GA2-14-03 [B] GA2-15-0	
Asbestiform Minerals:		Ashed	CE GAZ-15-02
Anthophyllite Chrysotile			
Crocidolite Tremolite-Actinolite			
TOTAL ASBESTOS	<u> </u>	0 0	0
Other Fibrous Material Fibrous Glass Cellulose	ls: Trace <1%		
Synthetics Other:		Trace <1%	
Percent Nonfibrous	0.0		
Material * Composite analysis	99 (m)   t	100 99 100	
unalyst: 7	//////////////////////////////////////	ample, see individual layer analyses	
Jerr Wingerter	•	And the same of th	Date: <u>11/07/92</u>



Floos asb.

18000 W Highway 72 Golden, CO 80403-8299 (303) 420-4449 (800) 873-8707 FAX (303) 420-1434

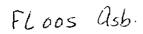
RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc.

LGN: 302994

Project ID: 11962.01, Jax Coe, Various, CR Layton G'ville

Floor tile  Brown mate  Floor tile	with brown mate rial , grey material ion: Percentages	and black mat	
Floor tile Brown mate Floor tile Tea Estimat	with brown mate rial , grey material ion: Percentages	rial	
Brown mate Floor tile rea Estimat	rial , grey material ion: Percentages	and black mat	
Floor tile	rial , grey material ion: Percentages	and black mat	
rea Estimat	, grey material	and black mat	
rea Estimat	ion: Percentages		
6		30	Trace <1%
6		30	Trace <1%
6	0	30	Trace <1%
race <13	Trace <1%		Trace <1%
	_		
93	99	70	99
	6 6 race <13	6 0	6 0 30  race <1%  Trace <1%





18000 W. Highway 72 Golden, CO 80403-8299 (303) 420-4449 (800) 873-8707 FAX. (303) 420-1434

## RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

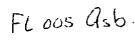
Client: Pickering Firm Inc.

LGN: 302994

Project ID: 11962.01, Jax Coe, Various, CR Layton G'ville

Page: 5 of 13

Sample Description:					
Sample Number	Sample Date	<u>Descriotion</u>			
GA2-16-02 [A]	10/22/92	Floor tile			
GA2-16-02 [B]	10/22/92	Grev material			
GA2-16-02 [C]	10/22/92	Black material			
GA2-16-03*	10/22/92	Floor tile wit	h adhesive		
GA2-16-03 [A]	10/22/92	Floor tile			
Results of PLM Analysi Sample Number: GA2		area Estimation: 12-16-02 [8] GA			GA2-16-03 [A]
Asbestiform Minerals:					
Anthophyllite					
Chrysotile					
Crocidolite			30		
Tremolite-Actinolite					
TOTAL ASBESTOS	Q	0	30	0	0
Other Fibrous Materials	•				
Fibrous Glass	•				
Cellulose		Trace <1%	<u> </u>		
Synthetics		Trace /10	·····	Trace <1%	Trace <1%
Other:					
Percent Nonfibrous					
Material	100	99	70	99	99
* Composite analysis (m	nultilayered sa	ample, see indir	vidual layer a	nalyses).	
Analyst: Jeff Wingerter	71	***************************************		Date:	11/07/92



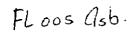


18000 W Highway 72 Golden, CO 80403-8299 (303) 420-4449 (800) 873-8707 FAX: (303) 420-1434

Date: <u>11/07/92</u>

### RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc. LGN: 302994 Project ID: 11962.01, Jax Coe, Various, CR Layton G'ville 6 of 13 Page: Sample Description: Sample Number Sample Date Description GA2-16-03 [B] 10/22/92 Adhesive GA2-17-01* 10/22/92 Floor tile with mastic GA2-17-01 [A] 10/22/92 Floor tile GA2-17-01 [B] 10/22/92 Mastic GA2-17-02 10/22/92 Floor tile Results of PLM Analysis: Visual Area Estimation: Percentages Detected Sample Number: GA2-16-03 [B] GA2-17-01* GA2-17-01 [A] GA2-17-01 [B] GA2-17-02 Asbestiform Minerals: Amosite Anthophyllite Chrysotile Crocidolite Tremolite-Actinolite TOTAL ASBESTOS 30 Other Fibrous Materials: Fibrous Glass Cellulose Trace <1% Synthetics Other: Percent Nonfibrous Material 99 91 92 70 92 * Composite analysis (multilayered sample, see individual layer analyses).





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## RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

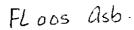
Client: Pickering Firm Inc.

LGN: 302994

Project ID: 11962.01, Jax Coe, Various, CR Layton G'ville

Page: 7 of 13

·	·				196. / OI IS
Sample Description:					
Sample Number	Sample Date	Description	L		
GA2-17-03*	10/22/92	Floor tile	with mastic		
GA2-17-03 [A]	10/22/92	Floor tile			
GA2-17-03 [B]	10/22/92	Mastic			T AT AT A STATE OF THE STATE OF
GA2-18-01*	10/22/92	Floor tile	with mastic		
GA2-18-01 [A]	10/22/92	Floor tile	<u>, , , , , , , , , , , , , , , , , , , </u>		
Results of PLM Analysi			on: Percentages		
Sample Number: <u>GA2</u>	<u>3−17−03*</u> <u>G</u>	(2-17-03 [A]	GA2-17-03 [B]	GA2-18-01*	GA2-18-01 [A]
Asbestiform Minerals: Amosite					
Anthophyllite	11	10	2.0		
Crocidolite		<u> </u>	30	26	25
Tremolite-Actinolite					
TOTAL ASBESTOS _		10	30	26	25
Other Fibrous Materials Fibrous Glass	):			•	
Cellulose					
Synthetics				44-444-4	
Other:					
Percent Nonfibrous					
Material _	9.9	90	70	74	75
* Composite analysis (	multilayered s	ample, see in	ndivídual layer	analyses).	
Analyst: Jeff Wingerter	M1_			Data	e: <u>11/07/92</u>





18000 W. Highway 72 Golden CO 80403-8299 (303) 420-4419 (800) 873-8707

Date: <u>11/07/92</u>

FAX (303) 420-1434

### RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc. LGN: 302994 Project ID: 11962.01, Jax Coe, Various, CR Layton G'ville Page: 8 of 13 Sample Description: <u>Sample Number</u> Sample Date Description GA2-18-01 [B] 10/22/92 Mastic GA2-18-02* 10/22/92 Floor tile with mastic GA2-18-02 [A] 10/22/92 Floor tile GA2-18-02 [B] 10/22/92 <u>Mastic</u> GA2-18-03* 10/22/92 Floor tile with mastic Results of PLM Analysis: Visual Area Estimation: Percentages Detected Sample Number: <u>GA2-18-01 [B] GA2-18-02* GA2-18-02 [A] GA2-18-02 [B] GA2-18-03*</u> Asbestiform Minerals: Amosite Anthophyllite Chrysotile 30 26 30 Crocidolite Tremolite-Actinolite TOTAL ASBESTOS ____30 26 30 Other Fibrous Materials: Fibrous Glass Cellulose Synthetics Other: Percent Nonfibrous Material 70 74 75 70 74 * Composite analysis (multilayered sample, see individual layer analyses).



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18000 W. Highway 72 Golden, CO 80403-8299 (303) 420-4449 (800) 873-8707 FAX: (303) 420-1434

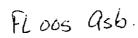
## RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc.

LGN: 302994

Project ID: 11962.01, Jax Coe, Various, CR Layton G'ville Page: 9 of 13

#### Sample Description: Sample Number Sample Date Description GA2-18-03 [A] 10/22/92 Floor tile GA2-18-03 [B] 10/22/92 Mastic GA2-19-01* 10/22/92 Floor tile with mastic GA2-19-01 [A] 10/22/92 Floor tile GA2-19-01 [B] 10/22/92 Mastic Results of PIM Analysis: Visual Area Estimation: Percentages Detected Sample Number: GA2-18-03 [A] GA2-18-03 [B] GA2-19-01* GA2-19-01 [A] GA2-19-01 [B] Asbestiform Minerals: Amosite Anthophyllite Chrysotile 25 30 Crocidolite Tremolite-Actinolite TOTAL ASBESTOS 25 30 30 Other Fibrous Materials: Fibrous Glass Cellulose Synthetics Other: Percent Nonfibrous Material 75____ 70 94 95 70 * Composite analysis (multilayered sample, see individual layer analyses). Date: 11/07/92



Date: <u>11/07/92</u>



18000 W. Highway 72 Golden, CO 80403-8299 (303) 420-4449 (800) 873-8707 FAX: (303) 420-1434

## RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc. LGN: 302994 Project ID: 11962.01, Jax Coe, Various, CR Layton G'ville Page: 10 of 13 Sample Description: Sample Number Sample Date Description 10/22/92 Floor tile with mastic GA2-19-02 [A] 10/22/92 Floor tile GA2-19-02 [B] 10/22/92 Mastic GA2-19-03* 10/22/92 Floor tile with adhesive GA2-19-03 [A] 10/22/92 <u>Floor tile</u> Results of PLM Analysis: Visual Area Estimation: Percentages Detected Sample Number: GA2-19-02* GA2-19-02 [A] GA2-19-02 [B] GA2-19-03* GA2-19-03 [A] Asbestiform Minerals: Amosite Anthophyllite Chrysotile 30 Crocidolite Tremolite-Actinolite TOTAL ASBESTOS ____6 30 Other Fibrous Materials: Fibrous Glass Cellulose Trace <18 Synthetics Other: Percent Nonfibrous Material 94 9.5 70____ 94 9.5 * Composite analysis (multilayered sample, see individual layer analyses).



18000 W. Highway 72 Golden, CG 80403-8299 (303) 420-4449 (800) 873-8707 FAX: (303) 420-1434

## RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc.

LGN: 302994

Project ID: 11962.01, Jax Coe, Various, CR Layton G'ville

Page: II of 13

Sample Description:		
Sample Number	Sample Date	Description
GA2-19-03 [B]	10/22/92	Adhesive
GA2-20-01*	10/22/92	Floor tile with adhesive
GA2-20-01 (A)	10/22/92	Floor tile
GA2-20-01 [B]	10/22/92	Adhesive
GA2-21-01*	10/22/92	Floor tile with mastic
Results of PIM Analy Sample Number: G.		Area Estimation: Percentages Detected  A2-20-01* GA2-20-01 [A] GA2-20-01 [B] GA2-21-01*
Asbestiform Minerals: Amosite		
· <del>-</del>		
Anthophyllite Chrysotile	the state of the s	
Crocidolite		Trace <13
Tremolite-Actinolite		
TOTAL ASBESTOS	<u> </u>	0 0 0 Trace <1%
Other Fibrous Material Fibrous Glass	ls:	
Cellulose	Trace <1%	3 2 5
Synthetics		3 2 5 4
Other:		
Percent Nonfibrous		
Material	99	<u>97</u> <u>98</u> <u>95</u> 95
* Composite analysis	(multilayered sa	ample, see individual layer analyses).
Jeff Wingerter	711	Date: <u>11/07/92</u>



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18000 W. Highway 72 Golden, CO 80403-8299 (303) 420-4449 (800) 873-8707 FAX. (303) 420-1434

### RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc.

LGN: 302994

Project ID: 11962.01, Jax Coe, Various, CR Layton G'ville

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Sample Description:					
Sample Number	Sample Date	Descriptio	<u>on</u>		
GA2-21-01 [A]	10/22/92	Floor tile			
GA2-21-01 [B]	10/22/92	Mastic			
GA2-22-01*	10/22/92	Eloor tile			
GA2-22-01 [A]	10/22/92	Floor tile			
GA2-22-01 [B]	10/22/92	Adhesive		****	
Results of PLM Analys Sample Number: GA			ion: Percentage		<u>  GA2-22-01 (B)</u>
Asbestiform Minerals:					
Amosite Anthophyllite Chrysotile Crocidolite Tremolite-Actinolite		30			
TOTAL ASSESTOS	0	30	0	0	C
Other Fibrous Material: Fibrous Glass	3: 		,		-
Cellulose Synthetics Other:	4		5	4	5
Percent Nonfibrous  Material	96	70	95	96	95
* Composite analysis (	(multilayered s	ample, see i	individual laye	r analyses).	
mudlyst: Jeff Wingerter	<u>e1</u>			Date	: 11/07/92



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18000 W. Highway 72 Golden, CO 80403-8299 (303) 420-4449 (800) 873-8707 FAX: (303) 420-1434

### RESULTS OF BULK ASBESTOS SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY (PLM) EPA-600/M4-82-020

Client: Pickering Firm Inc.

LGN: 302994

oiect ID: 11962 01

Sample Description:				
Sample Number	Sample Date	Description		
GA2-23-01	10/22/92	Insulation		
SA2-24-01	10/22/92	Coiling til		
			***************************************	 
esults of PLM Analys	is: Visual A	Area Estimation: Percentages	Detected	
Sample Number: <u>GA</u>	2-23-01 G	A2-24-01		
pestiform Minerals:				
***				 
hophyllite	15			 
hophyllite rysotile	15			
hophyllite Tysotile Coidolite	15			
chophyllite  rysotile  coidolite  molite-Actinolite	15			
hophyllite ysotile cidolite	15			
hophyllite ysotile cidolite molite-Actinolite TOTAL ASBESTOS	15			
hophyllite  ysotile cidolite molite-Actinolite  TOTAL ASBESTOS  er Fibrous Materials	15	0		
chophyllite  rysotile coidolite molite-Actinolite  TOTAL ASBESTOS  er Fibrous Materials rous Glass	15	0 40		
chophyllite  rysotile  coidolite  molite-Actinolite  TOTAL ASBESTOS  er Fibrous Materials  rous Glass lulose	15 3: 25	0		
chophyllite cysotile coidolite molite-Actinolite  TOTAL ASBESTOS  er Fibrous Materials rous Glass luiose thetics	15	0 40		
chophyllite cysotile coidolite coido	15 3: 25	0 40		
ner Fibrous Materials  prous Glass clulose athetics eer:	15 3: 25	40 30		
thophyllite rysotile cocidolite emolite-Actinolite  TOTAL ASBESTOS  Her Fibrous Materials prous Glass cluiose thetics Her:	15 3: 25	0 40		
chophyllite cysotile coidolite coidolite condite-Actinolite  TOTAL ASBESTOS cer Fibrous Materials cous Glass lulose thetics er: cent Nonfibrous Material	15 3: 25	40 30		

### CHAIN OF CUSTODY FORM

Pickering Environmental Consultants 1750 Madison Avenue, Suite 500 Memphis, TN 38104

Retain this form with bulk samples - Transmit a copy to Pickering Environmental with the hard copy of the sample results.

JOB NUMBER: 11562.01	JOB NAME: JAY COE - VARIOUS
BUILDING NAME/NO. CZ LAUTON	DATE: 10-22-92

*Each sample must be listed individually - Do not group sample numbers*

SAMPLE NUMBERS	DATE & INIT. OF SENDER	DATE & INIT. OF RECPT.	DATE & INIT. OF SENDER	DATE & INIT. OF RECPT.
GAZ-01-01	10/20/92 20	101 C J	. 1 1	1 1
GAZ-01-02	11/2492	11:31	11	/ /
GAZ-01-03	10/21/92 09	11 5	) / /	1 1
GAZ-01-04	10/22/92 37	11	/ / /	1 1
GAZ-02-01	10/21/92	سوز / /	/ / /	1 1
G9X-02-02	10/21A1 W	11 9	_ / /	/ /
GAZ-02-03	w 42/52 : Di	11 146	11	1 1
GAZ-03-01	lo hiki of		11	/ /
C1AZ-03-02	10/22/912		11	/ /
6A2-03-03	lohigz OL	11 1	/ /	/ /
GAZ-03-04	10/22/92 50		, , ,	/ /
GAZ-04-01	10/22/52 St	11 /	1 /	1 /
GAZ-04-02	10 /2/52 Del	11	, , ,	1 /
C142-04-03	10 R2/612 DD	11 44	, , ,	
GAZ-04-04	white of	11		, ,
GAZ-05-01	lopiki Or	11	/ /	
GAZ-05-02	whise of	11 Val	//	
GAZ-05-03	lo paga go	11 1		
	10/24/92 W	المرا ال		
GAZ-C6-01	10/22/92 X	11 14	7,,	
NAME AND ADD	RESS OF LAB:			

*SAMPLES WILL BE ARCHIVED WITH LAB OF RECORD UNLESS NOTED

**RQ HAZARDOUS SUBSTANCE** SOLID, N.O.S. (ASBESTOS), NA - 9188 ORME - E

FL 005 asb.

### CHAIN OF CUSTODY FORM

Pickering Environmental Consultants 1750 Madison Avenue, Suite 500 Memphis, TN 38104

Retain this form with bulk samples - Transmit a copy to Pickering Environmental with the hard copy of the sample results.

JOB NUMBER: 11962.01 JOB NO BUILDING NAME/NO. CZ LAJINH G'VAG DATE: JOB MANE: Jos Cos - Various

*Each sample must be listed individually - Do not group sample numbers*

NUMBERS	DATE & INIT. OF SENDER	DATE & INIT. O RECPT.		DATE & INIT. OF RECPT.
GAZ-06-02	10/22/92 00	11	Ja 11	/ /
942-06-03	10/22/92 00	11 1	N II	
GAZ-07-01	10 h2/52 DD	11	w , , , ,	+ / /
(142-07-02	10/22/92	/ / /		<del>                                     </del>
(192-07-03	10/22/92 80		n ,	1//
GAZ-08-01	0/22/92		K ,	1 /
GAZ-08-02	10/22/92 00:	1 1		11
				11
,	10/22/92 D		(j. 11	1 1
	10/17/5-0	1		11
_	173	_/_/	11	11
(	10/27/92	11 /3	yel 1 1	//
	16 hr/92	11 1	1//	//
_	10/22/92	11 Sh	111	1 1
- i	0/22/92	11 /1	111	1 1
	122/92 Of	11 Sh	111	
11-53	11	11	11	
1AZ-12-01 1	122/92	1 de orsk	, ,	
142-12-02 1	0/27/92 00	11 12 16	/ /	
1A7-12-03 1	0/22/92 (1/2)	11 (11)	, ,	_/_/
	Juyan	1 1 In	) / / /	
ME AND ADDRI	ESS OF LAR.	/ /		1.1

*SAMPLES WILL BE ARCHIVED WITH LAB OF RECORD UNLESS NOTED

RQ HAZARDOUS SUBSTANCE SOLID, N.O.S. (ASBESTOS), NA - 9188 ORME - E

### CHAIN OF CUSTODY FORM

Pickering Environmental Consultants 1750 Madison Avenue, Suite 500 Memphis, TN 38104

Retain this form with bulk samples - Transmit a copy to Pickering Environmental with the hard copy of the sample results.

JOB NUMBER: 11962.01 JOB NAME: JAX COS - VARIOUS
BUILDING NAME/NO.CE LANTON G'VILLDATE: 10-22-92

*Each sample must be listed individually - Do not group sample numbers*

SAMPLE NUMBERS	DATE & INIT. OF SENDER	DATE & INIT. OF RECPT.	DATE & INIT. OF SENDER	DATE & INIT. OF RECPT.
GAZ-13-02	10/22/52 8	11/ C)	1 / /	/ /
GA2-13-03	10/22/92 00	11 00 1	1 /	/ /
GAZ-4-01	10 hr/ge 88	11	. / /	/ /
	10/22/92	11 1 1	11	1 /
GAZ-17-03	10/12/92	11 jp	) / /	1 1
GAZ-15-01	10/22 Az 08	11	/ / /	1 1
GAZ-15-02	10/22/92	11	/ /	1 1
GAZ-15-03	10/22/92	11 /	1 /	1 1
GAZ-16-01	W/2V92 00	11	1 1	/ /
992-16-02	10/12/92 00	11 1	11	1 1
GAZ-16-03	10/21/92 00	11	/ /	/ /
5A2-17-61	10/2492	11 "	//	1 /
GAZ-17-02	10/17/92	11 11	//	1 1
GAZ-17-03	10/2492 DR	11 9	//	/ /
5AZ-18-01	10/22/92	11 %	/ /	/ /
GAZ-18-02	10/2/92 00	11 30	11	/ /
GAZ-18-03	10/27-52 08	11 11		
9AZ-19-01	6/22/92 AR	11 1		, ,
S12-19-02	17	11		
72-19-03		11 1	///	

*SAMPLES WILL BE ARCHIVED WITH LAB OF RECORD UNLESS NOTED

RQ HAZARDOUS SUBSTANCE SOLID, N.O.S. (ASBESTOS), NA - 9188 ORME - E

Pickering Environmental Consultants 1750 Madison Avenue, Suite 500 Memphis, TN 38104

Retain this form with bulk samples - Transmit a copy to Pickering Environmental with the hard copy

JOB NUMBER - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1100 - 1

JOB NUMBER: 11962.00 BUILDING NAME/NO. CE LAUTH G'VILLE DATE: 10-22-JOB WANE: JAX GE-VARIOUS

*Each sample must be listed individually - Do not group sample numbers*

NUMBERS	DATE & INIT. OF SENDER	DATE & INIT. OF RECPT.	DATE & INIT. OF SENDER	DATE & INIT. OF
GAZ-20-01	10/22/92 08	11 9	111	RECPT.
GAZ-21-01	12/2/92 82	11 1	1),,	/ /
GAZ-22-01	10/22/92 00	11/		/ /
GAZ-23-01	10/22/92 00	11 11		///
GAZ-24-01	10/22/92 OR	11 11	<del>///</del>	/ /
	_ / _/	11		/ /
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	/ /			
	_/_/	1 1		11
	11	1 /		
	11	<i>i</i> ,		
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·	11		//	11
	11		/ /	/ /
	/ /	/ /	1 1	11
E AND ADDRE	SS OF The		//	/ /

*SAMPLES WILL BE ARCHIVED WITH LAB OF RECORD UNLESS NOTED



# EnviroChem, Inc.

Asbestos and Analytical Laboratories

CLIENT : Pickering, Inc.

ACORESS: 1750 Medison Ave., Suite 500

Memphis, Terrnessee 38104

PROJECT:

Jaxxoose Various Florida

SHEET 2 of 4

DATE TESTED: 11/04/92

CLIENT NO. : E92-443 LABORATORY NO.: 2730

METHOD: PLM Test method cutlined by the EPA Interim Method for the Determination of Asbestos in Bulk Insulation Samples

SAMPI	.E ID HUMBER	07	08	09	10	11	12
SAMPLE	DESCRIPTION	JAX-14-01-QC CL Burpose	GA1-01-01-DC Gainesville	GA1-09-01-QC Gainesville	GA1-16-01-DC Gainesville	GA2-05-01-00 CR Layton	GA2-11-01-0C CR Layton
SAP	PLE COLOR	Green	Wht/Blk	Bry√Wht	Brown	Wht/Bm	Bm/8tk
	WALYST	Brian Williams	Brian Williams	Brian Villiams	Brian Villiams	Brian Williams	Brian William
	CHRYSOTILE	2				10	
EST (MATE) PERCENT	AMOSTTE						
ASBESTOS MINERALS	OROCIDOL I TE						
	OTHER						
	TOTAL PERCENT	5	N/D	N/D	N/D	10	N/D
	MINERAL MOOL						
EST (MATED PERCENT	FIBER GLASS		15				1
OTHER F188GL/S	(ELMILOSE	2	5	5	2	40	45
MINERALS	SWITHETICS						
	отнея				77.00		
	CARBONATES	×	X	×	Х	X	
	MORTAR						X
OTHER	MICACECUS PART						- The latest and the second of
ION-FIBROUS MINERALS	PERLITE	***					
NOTED	GLIARTZ	×	×	×	×		
	BINDER					×	X
	OTHER			x Glue/Vinyl	X Glue		X

The reported test results relate only to the items tested. The percentages reported are only estimates with an accuracy of +/-10 to 15%. The EPA has no established guidelines for analyzing floor tile samples therefore asbestos fibers may not be detected in floor tile samples analyzed. N/D indicates asbestos fibers were not detected using PLM Methods. EnviroChem Inc. will retain samples for a period of 30 days. If no instructions are received, they will be disposed of at that time. It is certified by the signature below that Laboratory identified above is accredited by the National Bureau of Standards under the MMLAP program for polarized light microscope (PLM) analysis. This report is not to be used by the client to claim product endorsement by MMLAP or

DATA REVIEW: 2 2 Moh			
DATA REVIEW: DO OTTO NE	REPORT	DATE:	11/04/92



### EnviroChem, Inc.

Asbestos and Analytical Laboratories

CLIDIT : Pickering, Inc.

ADDRESS: 1750 Madison Ave., Suite 500

Memphis, Terroessee 38104

PROJECT:

Jaxcose Various Florida

DATE TESTED: 11/04/92

SHEET

CLIENT NO. : E92-443 LABORATORY NO.: 2730

METHOD : PLM Test method outlined by the EPA Interim Method for the Determination of Asbestos in Bulk Insulation Samples.

SAMPL	E ID NUMBER	13	14	15	16	17	18
SAMPLE	DESCRIPTION	GA2-18-01-00 CR Layton	MPB-08-01-0C Babcock	MP8-09-03-00 Babcock	WPB-11-03-oc Babcock	TA1 - 16 - 05 - 0C Tampe	TA1-25-01-00 Tampa
SAM	PLE COLOR	BrrvBlk	Blk/8m	White	Grey	Wht/Tan	Grey
A	NALYST	Brian Williams	Brian Williams	Brian Williams	Brian Williams	Brian Williams	Brian William
	CHRYSOTILE	10	10				30
EST I MATED PERCENT	AMOSITE						
ASBESTOS HINERALS	CROCIDOLITE						
	OTHER	1 in Hastic					
	TOTAL PERCENT	11	10	N/D	N/D	N/D	30
	MINERAL WOOL						
estimated Percent	FIBER GLASS						
OTHER F18ROUS	CELLUL OSE	5	15	5	2	2	5
MINERALS	SYNTHETICS						
	от нех						
	CARBONATES	x	×	×	X	×	
	HORTAR						×
OTHER	MICACECUS PART						41.0
ION-FEBROLIS MENERALS MOTED	PERLITE						Publicana
	QLIARTZ	×	×	×	× .	X	
	BINDER				×	×	×
	OTHER	X Mastic	x Foilpaper/Mast.			×	X X Paint

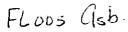
test results relate only to the items tested. The percentages reported are only estimates with an accuracy of +/-10 to 15%. The EPA has no established guidelines for analyzing floor tile samples therefore asbestos fibers may not be detected in floor tile samples analyzed. M/D indicates asbestos fibers were not detected using PLM Methods. EnviroChem Inc. will retain samples for a period of 3D days. If no instructions are received, they will be disposed of at that time. It is certified by the signature below that laboratory identified above is accredited by the National Bureau of Standards under the MMLAP program for polarized light microscope (PLH) analysis. This report is not to be used by the client to claim product endorsement by MMLAP or

REPORT DATE: 11/04/92

Pickering Environmental Consultants 1750 Madison Avenue, Suite 500 Memphis, TN 38104

Retain this form with bulk samples - Transmit a copy to Pickering Environmental with the hard copy of the sample results.

SAMPLE NUMBERS	DATE & INIT. OF SENDER	DATE & INIT. OF RECPT.	DATE & INIT. OF SENDER	DATE & INIT. OF RECPT.
9A2-05-01-QC	10/20/92 (6)	11 100/42 134	/ /	1 1
JAZ. 11-01-QC	10 July 2 Cl	11/0/92 150	1 1	1 1
7AZ-18-01-AC	10 ball92 CC	11/02/12 150	1 1	/ /
	1 1	/ /	/ /	/ /
	1 1	/ /	/ /	1 /
	1 1	/ /	/ /	/ /
	1 1	1 1	1 1	1 1
		1 1	/ /	1 1
	/ /	/ /	/ /	1 1
	1 1	/ /	/ /	/ /
	1 1	/ /	1 1	11
	/ /	1 1	1 1	/ /
	1 1	1 1	11	11
	11	1 1	1 1	1 1
	/ /	1 1	1 1	1 1
	/ /	1 1	/ /	1 1
	_ / /	/ /	1 1	1 1
	1 1	1 1	1 1	1 1
	/ /	/ /	1 1	1 1
	_ / /	//	1 1	/ /





18000 W. Highway 72 Golden, CO 80403-8299 (303) 420-4449 (800) 873-8707 FAX: (303) 420-1434

November 12, 1992

Mr. Nat Whitten
Pickering Firm Inc.
1750 Madison
Suite 500
Memphis, TN 38104

Re: LGN 800083 Project: 11962.01, Jax Coe-Various

Dear Mr. Nat Whitten:

The paint samples recently submitted to our laboratory have been analyzed by flame atomic absorption for lead according to EPA SW846 methods, as recommended by HUD. The results of these analyses are summarized in the enclosed table.

Also enclosed is a copy of your Chain of Custody form containing your field data.

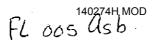
Please call if you have any questions about this work.

Sincerely,

Roger Shay

General Manager

Enclosures





18000 W. Highway 72 Golden, CO 80403-8299 (303) 420-4449 (800) 873-8707 FAX: (303) 420-1434

#### RESULTS OF LEAD ANALYSIS BY FLAME ATOMIC ABSORPTION PAINT SAMPLE

Client: Pickering Firm Inc.

Project ID: 11962.01, Jax Coe-Various

Page: 1 of 6

Sample Number

Sample Date Description

GA2-LBP-01 10/22/92

GA2-LBP-03 10/22/92

GA2-LBP-04 10/22/92

[Not enough sample to analyze]

#### lts of LEAD Analysis:

GA2-LBP-05 10/22/92

Sample Number	% By Weight	Detection Limit
GA2-LBP-01	Not Detected	(0,0040)
GA2-LBP-02	0.120	(0.0050)
GA2-LBP-03	0.300	(0.0050)
GA2-LBP-04	0.300	(0.0053)
GA2-L8P-05	Not analyzed	

Analyst:
RAY THERWAULT



FLoos asb

18000 W. Highway 72 Golden, CC 80403-8299 (303) 420-4449 (800) 873-8707 FAX. (303) 420-1434

#### RESULTS OF LEAD ANALYSIS BY FLAME ATOMIC ABSORPTION PAINT SAMPLE

Client: Pickering Firm	Inc.		LGN:	800083	
Project ID: 11962.01,	Jax Coe-Variou	15	Page:	2 of	6
Sample Number	Sample Date	Description			
GA2-LBP-06	10/22/92	[Not enough sample to analyze]	····		
GA2-LBP-07	10/22/92				
GA2-LBP-08	10/22/92				
GA2-LBP-09	10/22/92				
GA2-LBP-10	10/22/92				
		:			

#### t lts of LEAD Analysis;

Sample Number	% By Weight	Detection Limit
GA2-LBP-06	Not analyzed	
GA2-LBP-07	1,400	(0,0080)
GA2-LBP-08	0.190	(0.0020)
GA2-LBP-09	0.005	(0.0020)
GA2-LBP-10	0.350	(0.0060)

Analyst: Filmiant RAY THERIAULT



FLoos asb.

18000 W. Highway 72 Golden, CO 80403-8299 (303) 420-4449 (800) 873-8707 FAX. (303) 420-1434

# RESULTS OF LEAD ANALYSIS BY FLAME ATOMIC ABSORPTION PAINT SAMPLE

Client: Pickering Firm	Inc.		LGN:	800083	
Project ID: <b>11962.01</b> ,	Jax Coe-Variou	15	Page:	3 of	ŧ
Sample Number	Sample Date	Description			
GA2-LBP-11	10/22/92			***************************************	
GA2-LBP-12	10/22/92		****		
GA2-LBP-13	10/22/92				
GA2-LBP-14	10/22/92				
GA2-LBP-15	10/22/92				

#### t lts of LEAD Analysis:

Sample Number	% By Weight	Detection Limit
GA2-LBP-11	0,089	(0.0020)
GA2-LBP-12	0.330	(0.0100)
GA2-LBP-13	0.120	(0.0030)
GA2-LBP-14	0.200	(0.0040)
GA2-LBP-15	0.098	(0.0050)

Analyst: RAY THERIAULT

6



GA2-LBP-19

GA2-LBP-20

FLoos asb

18000 W. Highway 72 Golden, CO 80403-8299 (303) 420-4449 (800) 873-8707 FAX: (303) 420-1404

# RESULTS OF LEAD ANALYSIS BY FLAME ATOMIC ABSORPTION PAINT SAMPLE

Client: Pickering Firm Inc. LGN: 800083 Project ID: 11962.01, Jax Coe-Various Page: 4 of Sample Number Sample Date Description GA2-LBP-16 10/22/92 GA2-LBP-17 10/22/92 GA2-LBP-18 10/22/92 [Not enough sample to analyze] GA2-LBP-19 10/22/92 GA2-LBP-20 10/22/92 [Not enough sample to analyze] lts of LEAD Analysis; Sample Number & By Weight Detection Limit GA2-LBP-16 0.440 (0.0020) GA2-LBP-17 0.091 (0.0010) GA2-LBP-18 Not analyzed

Analyst: Date: 11/09/92

(0.0050)

Not Detected

Not analyzed



FLOOS asb.

18000 W. Highway 72 Golden, CO 80403-8299 (303) 420-4449 (800) 873-8707 FAX (303) 420-1434

#### RESULTS OF LEAD ANALYSIS BY FLAME ATOMIC ABSORPTION PAINT SAMPLE

Client: Pickering Fir	m Inc.	ı	T.O.	00000	
Project ID: 11962.01,	Jax Coe-Vario	1 <b>3</b>	Page:	800083 5 of	_
Sample Number	Sample Date	Description	ruge.	يزون و	6
GA2-LBP-21	10/22/92				
GA2-LBP-22	10/22/92				
GA2-LBP-23	10/22/92				
GA2-LBP-24	10/22/92				
GA2-LBP-25	10/22/92				
			:		

### Its of LEAD Analysis:

Sample Number	% By Weight	Detection Limit
GA2-LBP-21	1,200	(0.0100)
GA2-LBP-22	0.890	(0.0080)
GA2-LBP-23	7.900	(0.0200)
GAZ-LBP-24	2.900	(0.0100)
GA2-LBP-25	2.100	(0.0100)

Analyst: Thenfull		
RAY THERIAULT	Date:	11/09/92



### FLOOS asb.

18000 W. Highway 72 Golden, CO 80403-8299 (303) 420-4449 (800) 873-8707 FAX: (303) 420-1434

#### RESULTS OF LEAD ANALYSIS BY FLAME ATOMIC ABSORPTION PAINT SAMPLE

Client: Pickering Fir	m Inc.		LGN:	800083	
Project ID: 11962.01,	Jax Coe-Vario	13	Page:	6 o£	б
Sample Number	Sample Date	Description	-		
GA2-LBP-26	10/22/92				
GA2-LBP-27	10/22/92				
	<u> </u>	Pitter			
this of LEAD Analy:	3is:				
Sample Number	% By Weight	Detection Limit			
GAZ-LBP-26	0.960	(0.0030)			
GAZ-LBP-27	0.400	(0.0010)			

Analyst: RAY THERIAULT

Pickering Environmental Consultants 1750 Madison Avenue, Suite 500 Memphis, TN 38104

800083 Retain this form with bulk samples - Transmit a copy to Pickering Environmental with the hard copy of the sample results. JOB NUMBER: 119107.01 JOB NAME: BUILDING NAME/NO. CR LANTON G'VILLE DATE: *Each sample must be listed individually - Do not group sample numbers* SAMPLE DATE & INIT. OF DATE & INIT. OF DATE & INIT. OF DATE & INIT. OF **NUMBERS** SENDER RECPT. SENDER RECPT. GAZ-LBP-01/10/21/52 DR · · fic z-LBP-07 GAZ-LBP-08 10/22/92 10/2242 10/22/92 10/12/97 10/22/92 A2. LAP-16/10/27/92 111/ -LBP-18/10/22/92 10 12/92 GAZ-LBP-201 10/22/92 NAME AND ADDRESS OF LAB: Λ÷~ 814103 *SAMPLES WILL BE ARCHIVED WITH LAB OF RECORD UNLESS NOTED

Pickering Environmental Consultants 1750 Madison Avenue, Suite 500 Memphis, TN 38104

Retain this form with bulk samples - Transmit a copy to Pickering Environmental with the hard copy

JOB NUMBER: 11967.01 BUILDING NAME/NO. CR LANTON G. WICEDATE: 10-72-92

*Each sample must be listed individually - Do not group sample numbers*

SAMPLE NUMBERS	DATE & INIT. OF SENDER	DATE & INIT. OF RECPT.	DATE & INIT. OF SENDER	DATE & INIT. OF RECPT.
GAZ-1BP-ZI		11 10	11	/ /
945-18P-22		11 1/2	[	//
JA2-LBP-23		11 16-	11	/ /
942-1BP-24		11 14	1 1	, ,
1A2-18P25		11 202		( / /
JAZ-LBB-26	10/21/92	11 100	_ / /	/ /
19-19-27	13/22/52	11 /	-11	/ /
	//		/ /	
	11	1 1	/ /	
	1 /	1 1	11	1 1
	1 /	1 1	/ /	1 1
		/ /	/ /	1 /
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	_/ /	//	//	
ME AND ADDR	ESS OF LAB:	ANALYTICS		

*SAMPLES WILL BE ARCHIVED WITH LAB OF RECORD UNLESS NOTED

FLOOS asb.



### EnviroChem, Inc.

Asbestos and Analytical Laboratories

December 1, 1992

PICKERING ENVIRONMENTAL 1750 Madison Ave. Suite 500 Memphis, TENN 38104 ATN: Mr. Curt Craig

Dear: Mr. Curt Craig:

Below are the results of analysis of 3 samples received for examination

Sample I.D. AA11515 Sample Type: PAINT Sample collector: CLIENT Lab submittal date: 11/04/92	Client Code: 443-PICK Location Description: GA2-LBP-10QC Sample collection date: 11/02/92 Time: 10:30		
TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
(16) LEAD, Pb	mqq	37	10
Sample I.D. AA11516	Client Code	* 443-PTCV	

Sample Type: PAINT Sample collector: CLIENT Lab submittal date: 11/04/92	Location Description: GA2-LBP-12QC Sample collection date: 11/02/92 Time: 10:30		
TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
(16) LEAD, Pb	ppm	3332	10

Sample I.D. AA11517 Sample Type: PAINT Sample collector: CLIENT Lab submittal date: 11/04/92	Client Code Location De Sample coll Time: 10:30	escription: GA2-	-LBP-18QC ./02/92
TEST PARAMETER	UNITS	TEST RESULT	DETECTION LIMIT
(16) LEAD, Pb	ppm	71	

Pickering Environmental Consultants 1750 Madison Avenue, Suite 500 Memphis, TN 38104

Retain this form with bulk samples - Transmit a copy to Pickering Environmental with the hard copy

BUILDING NAME/NO. CRIATION GUILLEDATE: 11-2-92

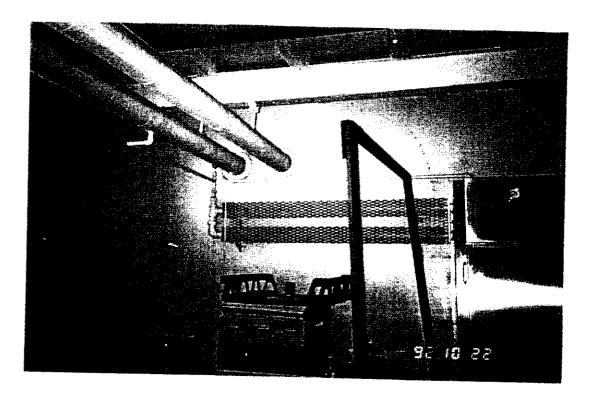
*Each sample must be listed individually - Do not group sample numbers*

SAMPLE NUMBERS	DATE & INIT. OF SENDER	DATE & INIT. OF RECPT.	DATE & INIT. OF SENDER	DATE & INIT. OF RECPT.
GAA-LBP-1090	11/2/92 110	11/4/92 12	/ /	/ /
SAJ-18P-179C	11/2/52 MG	11/4/92 ND	11	1 / /
GA2-18P-189C	11/2/92 MC	11/4/92 DD	1 1	11
	/ /	1 1	11	11
	11	11	11	
	11	1 1	11	
	<u> </u>	1 1	//	
	1	/ /		/ /
	11	1 1	11/	/ /
	_//	11		1 1
	11	$\searrow$	1 1	/ /
	//	1 1	1 /	
	1 1	11	11	
	11	_/ /	\/ /	
	11/	11		1 1
	1/	1 1		/ /
	11	1 1		/ /
	/ /	/ /		
	/ /	/ /		
	1 1	//		
AME AND ADDR	ESS OF LAB:			

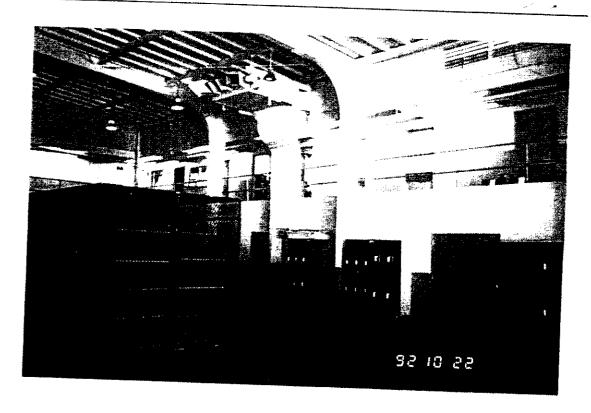
*SAMPLES WILL BE ARCHIVED WITH LAB OF RECORD UNLESS NOTED

RQ HAZARDOUS SUBSTANCE SOLID, N.O.S. (ASBESTOS), NA - 9188 ORME - E

1515,4 151619



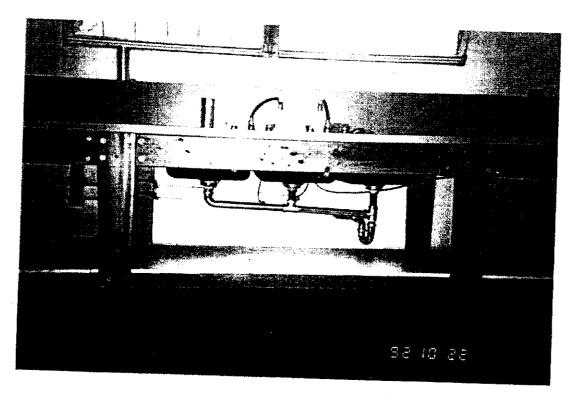
C. R. Layton USARC - Steam Pipe Insulation



C. R. Layton USARC - Assembly Hall and Offices



C. R. Layton USARC - Exterior



C. R. Layton USARC - Sink Sound Attenuation

### **APPENDIX D—INSPECTOR'S CERTIFICATION**



Certificate # 7ME02141202AIR0004

This is to certify that

## John H. Clary

has on 2/14/12, in Tampa, FL completed the requirements for asbestos accreditation under Section 206 of TSCA Title II, 15 U.S.C. 2646

### **AHERA Asbestos Building Inspector Refresher Course**

as approved by the State of Florida and the U.S.E.PA. under 40 C.F.R. 763 (AHERA) on 2/14/12 - 2/14/12 and passed the associated examination on 2/14/12 with a score of 70% or better

CM = 0.5

Provider #: FL49-0001221

Course #: FL49-0004718

Soc. Sec #: XXX-XX-9245

Accreditation Expires: 2/14/13

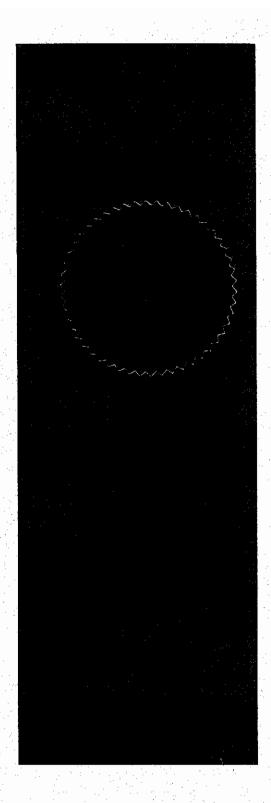
Instructor

Instructor Bill Young

President Thomas Bradford Mayhew

META - P.O. Box 786 - Lawrence KS 66044

800-444-6382



# Professional Service Industries, Inc.

Having dutifully completed candidacy and having satisfied all other requirements

# **Chris Hundley**

is hereby appointed as

# **Principal Consultant**

for Asbestos Surveys/Monitoring, Lead Based Paint Surveys/Monitoring & Lead Based Paint Design/O&M Plans

And is hereby authorized to serve as such with all the authority,
responsibilities, and honors pertaining thereto.
In testimony whereof the signatures of the President and Chief Operating Officer
have been affixed this day, January 21, 2005



Howell Branum, P.E.

President -

Walter Goin, P.E.

**Chief Operating Officer** 

Watter od Sim