

September 22, 2014

Brooks Development Authority

3201 Sidney Brooks
San Antonio, TX 78235

Attn: Mr. Greg Hammer
Via E-mail: greg.hammer@brookscity-base.com

RE: Asbestos Inspection Services
Building 578
Brooks City Base
San Antonio, Texas 78235
PSI Project No: 0435-1908

Dear Mr. Hammer:

On September 15, 2014, Mr. Joe Leal, a Texas Department of State Health Services licensed Asbestos Inspector (DSHS License No. 602035) with Professional Service Industries, Inc. (PSI) collected a total of 37 bulk samples of suspect asbestos-containing materials (ACM) Building 578 located at Brooks City Base, in San Antonio, Texas. The suspect building materials consisted of drywall/joint compound, flooring materials and associated mastics, cove base and associated mastic, ceiling panels, interior plaster coating, Thermal System Insulation (TSI), and duct mastics.

Asbestos-containing materials were identified from the suspect materials collected.

The bulk samples were collected in accordance with Texas DSHS regulations. The bulk samples collected were analyzed in PSI's laboratory using polarized light microscopy with dispersion staining (PLM/DS). Analytical results are included as an attachment. The analytical results and a description of the suspect ACBM is provided in the following tables.

Building 578

| Homo. Area | Material Description/Location | Classification | Friable/ Non-Friable | Sample Numbers | Percent Asbestos |
|------------|---|----------------|----------------------|-------------------------------|----------------------------|
| 01 | Brown covebase and mastic/ Corridors | Miscellaneous | Non-Friable | 578-01, 578-02, 578-038 | Cove – NAD Mastic – NAD |
| 02 | Gray covebase and mastic//Rm 165 | Miscellaneous | Non-Friable | 578-04, 578-02, 578-03 | Cove – NAD Mastic -NAD |

| Homo. Area | Material Description/Location | Classification | Friable/ Non-Friable | Sample Numbers | Percent Asbestos |
|-------------------|---|-----------------------|-----------------------------|---|--|
| 03 | 12X12 Tan Floor tile and associated mastic/Room 146, corridors, offices | Miscellaneous | Non-Friable | 578-07, 578-08, 578-09 | Floor tile- NAD Mastic-3% CH |
| 04 | Tan HVAC duct seam mastic | Miscellaneous | Non-Friable | 578-10, 578-11, 578-12 | 2% CH |
| 05 | White HVAC duct seam mastic | Miscellaneous | Non-Friable | 578-13, 578-14, 578-15 | NAD |
| 06 | 2'x4' Ceiling Tile/ Throughout | Miscellaneous | Friable | 578-16, 578-17, 578-18 | NAD |
| 07 | Drywall and Joint Compound/Throughout | Miscellaneous | Non-Friable | 578-19, 578-20, 578-21, 578-22 578-23 578-24 578-25 | Drywall-NAD Joint compd.- NAD |
| 08 | Tan Sheet Vinyl and mastic/Room 237 | Miscellaneous | Non-Friable | 578-26, 578-27 578-28 | Sheet Vinyl- 30% CH Mastic-2% CH |
| 09 | Pipe fitting insulation/ Room 240 | TSI | Friable | 578-29, 578-30, 578-31 | 2% CH |
| 10 | Tan covebase and mastic | Miscellaneous | Non-Friable | 578-32, 578-33, 578-34 | Cove – NAD Mastic – NAD |
| 11 | Plaster | Surfacing | Non-Friable | 578-35, 578-36, 578-37 | NAD |

NAD = No Asbestos Detected, TSI = Thermal System Insulation, CH = Chrysotile asbestos, AM = Amosite asbestos

This report is prepared to assist the owner of the building, architect, construction manager, general contractors, and potential asbestos abatement contractors in locating the ACM. It may be used in conjunction with earlier surveys. This report is not intended as a bidding document or as a project specification document.

Projects involving the removal of >260 linear feet, >160 square feet or >35 cubic feet of asbestos-containing materials (ACM) require project design by a TDSHS licensed Individual Asbestos Consultant. Ten (10) days prior to the commencement of abatement of ACM, a notification must be made to the Texas Department of State Health Services. A TDSHS

Brooks City Base; Bldg. 578
PSI Project No.: 0435-1908
September 22, 2014

licensed Asbestos Abatement Contractor must be used for removal of the ACM. Federal and State regulations regarding air monitoring must be considered during the course of the project. It is recommended that continuous on-site monitoring be conducted throughout the project duration to document airborne fiber levels. Personal air monitoring is required throughout the project duration also. Federal and State regulations which are applicable include Occupational Safety and Health Administration 29 CFR 1926.1101, Environmental Protection Agency 40 CFR 763 and 40 CFR 61, and Texas Asbestos Health Protection Rules. Certain local regulations may also be applicable.

Professional Service Industries, Inc. (PSI) appreciates the opportunity to assist you with your renovation projects. If you should have any questions concerning the information provided, please do not hesitate to contact us at (210) 616-2119.

Respectfully submitted,

Professional Service Industries, Inc.



Joe Leal
Asbestos Inspector
DSHS# 602035



Guy L. Roberts
Principal Consultant
Environmental Services

Attachments: Warranty
Laboratory Results
Texas DSHS Licenses

Warranty

The field and laboratory results reported herein are considered sufficient in detail and scope to determine the presence of accessible and/or exposed suspect asbestos-containing building materials (ACBM) for the renovation activities in accordance with the authorized scope of services. Professional Service Industries, Inc. (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 similar professionals in the community. Changes in the state of the art or in applicable regulations cannot be anticipated and have not been addressed in this report.

Test results are valid only for the materials tested. There is a distinct possibility that conditions may exist which could not be identified within the scope of the study or which were not apparent during the site visit. 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 the client at the time it was conducted.

As directed by the client, PSI did not provide any service to investigate or detect the presence of moisture, mold or other biological contaminants in or around any structure, or any service that was designed or intended to prevent or lower the risk of the occurrence of the amplification of the same. Client acknowledges that mold is ubiquitous to the environment with mold amplification occurring when building materials are impacted by moisture. Client further acknowledges that site conditions are outside of PSI's control, and that mold amplification will likely occur, or continue to occur, in the presence of moisture. As such, PSI cannot and shall not be held responsible for the occurrence or recurrence of mold amplification.

No other warranties are implied or expressed.

REPORT OF BULK SAMPLE ANALYSIS FOR ASBESTOS

TESTED FOR: PSI, Inc
 7400 Blanco Road Suite 257
 San Antonio, TX 78216
 Attn: John Langan

Project ID: 04351908
 Brooks City Base

Date Received: 9/19/2014 **Date Completed:** 9/19/2014 **Date Reported:** 9/19/2014

Analyst: LH **Work Order:** 1409419 **Page:** 1 of 3

| Client ID | Lab ID (Layer) | Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i> | Asbestos Content (Percent and Type) | Non-asbestos Fibers (Percent and Type) |
|-----------|----------------|---|-------------------------------------|--|
| 578-01 | 001A | (1) Brown, Covebase, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| | | (2) Yellow, Mastic, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| 578-02 | 002A | (1) Brown, Covebase, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| | | (2) Yellow, Mastic, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| 578-03 | 003A | (1) Brown, Covebase, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| | | (2) Yellow, Mastic, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| 578-04 | 004A | (1) Brown, Covebase, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| | | (2) Yellow, Mastic, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| | | (3) Brown, Mastic, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| 578-05 | 005A | (1) Brown, Covebase, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| | | (2) Yellow, Mastic, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| | | (3) Brown, Mastic, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| 578-06 | 006A | (1) Brown, Covebase, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| | | (2) Yellow, Mastic, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| | | (3) Brown, Mastic, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| 578-07 | 007A | (1) Transparent, Mastic, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| | | (2) White, Floor Tile, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| | | (3) Black, Mastic, Homogeneous | 3% Chrysotile | None Reported |
| 578-08 | 008A | (1) Transparent, Mastic, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| | | (2) White, Floor Tile, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| | | (3) Black, Mastic, Homogeneous | 3% Chrysotile | None Reported |

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Method for the Determination of Asbestos in Bulk Building Materials (EPA / 600/R-93/116 July 1993). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may be reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight. NVLAP Lab Code 101350-0.

Respectfully submitted,
 PSI, Inc.



Approved Signatory
 Melanie Smith

| Client ID | Lab ID (Layer) | Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i> | Asbestos Content (Percent and Type) | Non-asbestos Fibers (Percent and Type) |
|-----------|----------------|--|--|---|
| 578-09 | 009A | (1) Transparent, Mastic, Homogeneous (2) White, Floor Tile, Homogeneous (3) Black, Mastic, Homogeneous | NO ASBESTOS DETECTED NO ASBESTOS DETECTED 3% Chrysotile | None Reported None Reported None Reported |
| 578-10 | 010A | (1) Tan, Mastic, Homogeneous | 2% Chrysotile | None Reported |
| 578-11 | 011A | Sample Not Tested | | |
| 578-12 | 012A | Sample Not Tested | | |
| 578-13 | 013A | (1) White, Mastic, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| 578-14 | 014A | (1) White, Mastic, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| 578-15 | 015A | (1) White, Mastic, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| 578-16 | 016A | (1) Beige, Ceiling Tile, Homogeneous | NO ASBESTOS DETECTED | 30% Cellulose Fiber 30% Fibrous Glass |
| 578-17 | 017A | (1) Beige, Ceiling Tile, Homogeneous | NO ASBESTOS DETECTED | 30% Cellulose Fiber 30% Fibrous Glass |
| 578-18 | 018A | (1) Beige, Ceiling Tile, Homogeneous | NO ASBESTOS DETECTED | 30% Cellulose Fiber 30% Fibrous Glass |
| 578-19 | 019A | (1) Beige, Drywall, Homogeneous (2) White, Joint Compound, Homogeneous | NO ASBESTOS DETECTED NO ASBESTOS DETECTED | 10% Cellulose Fiber None Reported |
| 578-20 | 020A | (1) Beige, Drywall, Homogeneous (2) White, Joint Compound, Homogeneous | NO ASBESTOS DETECTED NO ASBESTOS DETECTED | 10% Cellulose Fiber None Reported |
| 578-21 | 021A | (1) Beige, Drywall, Homogeneous <i>No joint compound</i> | NO ASBESTOS DETECTED | 10% Cellulose Fiber |
| 578-22 | 022A | (1) Beige, Drywall, Homogeneous (2) White, Joint Compound, Homogeneous | NO ASBESTOS DETECTED NO ASBESTOS DETECTED | 10% Cellulose Fiber None Reported |

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Respectfully submitted,
PSI, Inc.



Approved Signatory
Melanie Smith

| Client ID | Lab ID (Layer) | Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i> | Asbestos Content (Percent and Type) | Non-asbestos Fibers (Percent and Type) |
|-----------|----------------|--|--|--|
| 578-23 | 023A | (1) Beige, Drywall, Homogeneous (2) White, Joint Compound, Homogeneous | NO ASBESTOS DETECTED NO ASBESTOS DETECTED | 10% Cellulose Fiber None Reported |
| 578-24 | 024A | (1) Beige, Drywall, Homogeneous (2) White, Joint Compound, Homogeneous | NO ASBESTOS DETECTED NO ASBESTOS DETECTED | 10% Cellulose Fiber None Reported |
| 578-25 | 025A | (1) Beige, Drywall, Homogeneous (2) White, Joint Compound, Homogeneous | NO ASBESTOS DETECTED NO ASBESTOS DETECTED | 10% Cellulose Fiber None Reported |
| 578-26 | 026A | (1) Tan, Vinyl Sheeting, Homogeneous (2) Brown, Mastic, Homogeneous | 30% Chrysotile 2% Chrysotile | 25% Cellulose Fiber None Reported |
| 578-27 | 027A | Sample Not Tested | | |
| 578-28 | 028A | Sample Not Tested | | |
| 578-29 | 029A | (1) White, Insulation, Homogeneous | 2% Chrysotile | 10% Synthetic Fiber |
| 578-30 | 030A | Sample Not Tested | | |
| 578-31 | 031A | Sample Not Tested | | |
| 578-32 | 032A | (1) Tan, Covebase, Homogeneous (2) Yellow, Mastic, Homogeneous | NO ASBESTOS DETECTED NO ASBESTOS DETECTED | None Reported None Reported |
| 578-33 | 033A | (1) Tan, Covebase, Homogeneous (2) Yellow, Mastic, Homogeneous | NO ASBESTOS DETECTED NO ASBESTOS DETECTED | None Reported None Reported |
| 578-34 | 034A | (1) Tan, Covebase, Homogeneous (2) Yellow, Mastic, Homogeneous | NO ASBESTOS DETECTED NO ASBESTOS DETECTED | None Reported None Reported |
| 578-35 | 035A | (1) Tan, Plaster, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| 578-36 | 036A | (1) Tan, Plaster, Homogeneous | NO ASBESTOS DETECTED | None Reported |
| 578-37 | 037A | (1) Tan, Plaster, Homogeneous | NO ASBESTOS DETECTED | None Reported |

Report Notes: (PT) Point Count Results

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Method for the Determination of Asbestos in Bulk Building Materials (EPA / 600/R-93/116 July 1993). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may be reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight. NVLAP Lab Code 101350-0.

Respectfully submitted,
PSI, Inc.



Approved Signatory
Melanie Smith

409368
1409419

CHAIN OF CUSTODY RECORD

| | | | | | |
|---|--|--|--|--|--|
| PROJECT NAME Brooks City-Base PROJECT NUMBER 04351908 P.O. NUMBER STANDARDS FEDEX REQUIRED DUE DATE (MM-DD-YY) 9/15/14 SAMPLES TO LAB VIA 1450 NUMBER OF COOLERS/PACKAGES 1 | | REPORT TO PROJECT MANAGER JOHN LANGRISH ADDRESS 7400 BLANCK RD, #257 SAN ANTONIO, TX 7824 CITY / STATE / ZIP SAN ANTONIO, TX 7824 TELEPHONE FAX REPORT DATA VIA <input type="checkbox"/> VERBAL <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> EMAIL * <input type="checkbox"/> U.S. MAIL | | INVOICE TO ADDRESS CITY / STATE / ZIP ATTENTION TELEPHONE <input type="checkbox"/> OTHER | |
| RELINQUISHED BY Joe Seal DATE / TIME 9/15/14 1450 | | ACCEPTED BY [Signature] DATE / TIME 9/16/14 929a | | LABORATORY USE ONLY FIELD SERVICES Y/N \$ SHIPPING Y/N \$ LABORATORY USE ONLY ANALYTICAL DUE DATE REPORT DUE DATE PSI PROJECT NAME PSI PROJECT NUMBER PSI BATCH NUMBER | |
| SAMPLE CUSTODIAN Joe Seal DATE / TIME 9/15/14 1450 | | LABORATORY USE ONLY DATE / TIME 9/15/14 1450 | | PARAMETER LIST [Grid area with handwritten '37' and checkmark] | |

ADDITIONAL REMARKS FIRST POSITIVE STOP

*EMAIL ADDRESS

SAMPLER'S SIGNATURE

[Signature]

Y signature denotes agreement with the PSI General Conditions which are printed on the back side of this document.



TEXAS DEPARTMENT OF STATE HEALTH SERVICES
PROFESSIONAL SERVICE INDUSTRIES INC

is certified to perform as a

**Asbestos Laboratory
PCM, PLM, TEM**

in the State of Texas within the purview of Texas Occupations Code, chapter 1954, so long as this license is not suspended or revoked and is renewed according to the rules adopted by the Texas Board of Health.

A handwritten signature in cursive script, appearing to read "David Lahey MD".

DAVID LAKEY, M.D.
COMMISSIONER OF HEALTH

License Number: 300047

Control Number: 95881

Expiration Date: 6/10/2015

(Void After Expiration Date)

VOID IF ALTERED NON-TRANSFERABLE



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

PSI

850 Poplar Street

Pittsburgh, PA 15220

Ms. Catherine McNamee

Phone: 412-922-4010 x286 Fax: 412-922-4014

E-Mail: cathy.mcnamee@psiusa.com

URL: <http://www.psiusa.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 101350-0

NVLAP Code Designation / Description

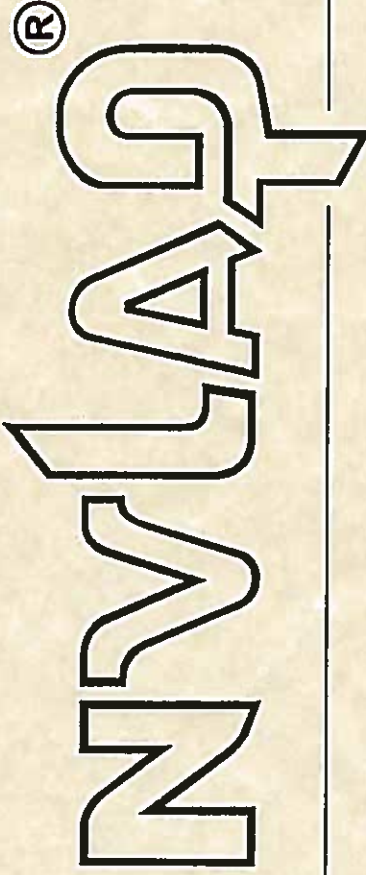
18/A01 EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2014-07-01 through 2015-06-30

Effective dates

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101350-0

PSI
Pittsburgh, PA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2014-07-01 through 2015-06-30

Effective dates



A handwritten signature in black ink, appearing to read "R. M. L. D.", is written over a horizontal line.

For the National Institute of Standards and Technology



**Texas Department of
State Health Services**

Asbestos Inspector

JOE LEAL

License No. 602035

Control No. 97442

Expiration Date: 10/20/2015





**Texas Department of
State Health Services**

Asbestos Individual Consultant

GUY L ROBERTS

License No. 105465

Control No. 96565

Expiration Date: 11/3/2015

