CITY OF ROCKWALL
HISTORIC PRESERVATION ADVISORY BOARD (HPAB) MEMO

AGENDA DATE: 05/19/2016

APPLICANT: Barbara Criswell

AGENDA ITEM: **H2016-003**; Building Permit Waiver/Reduction Application

---

SUMMARY:

Hold a public hearing to discuss and consider a request for a Building Permit Fee Waiver/Reduction from Barbara Criswell for a property situated within Planned Development 50 (PD-50) District within the North Goliad Corridor Overlay (NGC OV) District, and zoned Residential Office (RO) District. The subject property is located at 602 N. Goliad Street and is further identified as Barnes, Lot 2, City of Rockwall, and Rockwall County, Texas.

DISCUSSION:

On March 21, 2016, City Council approved a resolution establishing the *Building Permit Waiver and Reduction Program*. The purpose of this program is to incentivize development/redevelopment with the City's historic districts by allowing the Historic Preservation Advisory Board (HPAB) to reduce or waive building permit fees for certain projects on eligible properties. The program is available for all commercial properties within the Old Town Rockwall (OTR) District, Planned Development District 50 (PD-50), the Southside residential Neighborhood Overlay (SRO) District, and the Downtown (DT) District and residential properties within the Old Town Rockwall (OTR) Historic District or the Southside Residential Neighborhood Overlay (SRO) District.

The subject property is located at 602 N. Goliad Street within Planned Development 50 (PD-50) District. The applicant is currently remodeling the property for the purpose of housing Grace Clinic which is a clinic that provides primary healthcare and education services to the community regardless of ability to pay. While the exterior of the home is intact, the applicant will be replacing all of the drywall, flooring, windows, new bathrooms with fixtures, exterior paint and a new roof. The applicant will also be installing a concrete driveway and parking spaces as required by the Planning and Zoning Department. The subject property is a *medium contributing property*, therefore, it is eligible for a 50% reduction of building permit fees for any project that includes a substantial rehabilitation involving a minimum investment of $5,000. Based on the estimated valuation of $45,000 for the remodel/rehabilitation, the permit fees would be approximately $600.00. Should the Historic Preservation Advisory Board (HPAB) approve the request, the applicant would be eligible for a reduction of approximately $300.00 in permit fees.

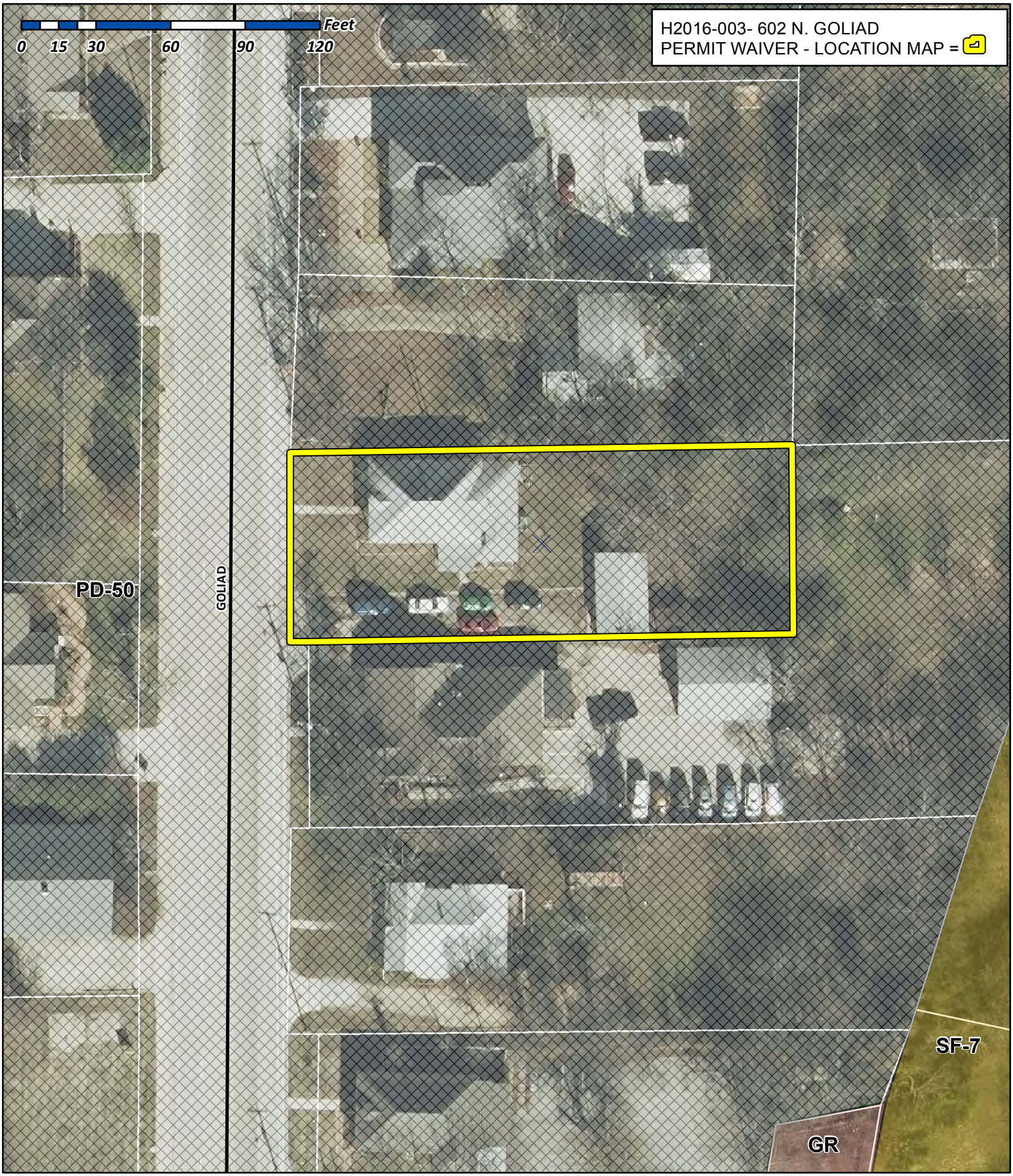
SCOPE OF PROJECT:

- Asbestos Abatement (already completed)
- New Roof
- Foundation Work
- New Windows
- New Flooring
- New Drywall
- New Bathrooms including one ADA compliant bathroom
- Exterior Paint

RECOMMENDATIONS:

Based on the scope of work submitted and the applicants intent, the proposed remodel/rehabilitation does not appear to impair the historical integrity of the adjacent properties, therefore, staff supports the applicants request for the Building Permit Fee Waiver/Reduction pending conformance with the following conditions of approval:

1) Any construction, building or demolition necessary to complete this request must conform to the requirements set forth by the Unified Development Code, the International Building Code, the Rockwall Municipal Code of Ordinances, city adopted engineering and fire codes and with all other applicable regulatory requirements administered and/or enforced by the state and federal government.



City of Rockwall

Planning & Zoning Department
385 S. Goliad Street
Rockwall, Texas 75032
(P): (972) 771-7745
(W): www.rockwall.com

May 11, 2016

Historic Preservation Advisory Board
City of Rockwall
Planning and Zoning Department
385 S. Goliad Street
Rockwall, Texas 75087

To whom it may concern:

I am applying for the building permit waiver and reduction program. I am currently remodeling the property at 602 North Goliad for the purpose of housing Grace Clinic, which is a local non-profit helping meet some of the healthcare needs of Rockwall County residents.

The property at 602 was bought in foreclosure by my husband a number of years ago. I am just now able to be able to remodel/rehab the house and am excited about the prospect of restoring it so it can be a viable property. Because I am donating the space, I am hoping to cut costs wherever I can, which is one of the reasons I am applying.

I recently had the asbestos abatement finished. While the exterior is intact, the property will need all new drywall, new flooring, new windows, new bathrooms with fixtures and exterior paint and a new roof. We also will be installing a concrete driveway and parking spaces as required by the Planning & Zoning department. I plan to be able to finish the project, minus the concrete driveway, for $45,000 relying partially on the help of volunteers.

I appreciate your consideration. I am excited about the prospect of restoring the property to fit into the revitalized downtown neighborhood.

Sincerely,

Barbara Criswell

Barbara Criswell

Scope of the Project

Asbestos Abatement already completed *
New Roof
Foundation work
New windows
New flooring
New drywall
New bathrooms including one ADA compliant bathroom
Exterior paint

*Waiting on report from Rick LaQuey – see attached letter

HISTORIC PRESERVATION ADVISORY BOARD APPLICATION

City of Rockwall
Planning and Zoning Department
385 S. Goliad Street
Rockwall, Texas 75087

STAFF USE ONLY
CASE NUMBER:

NOTE: *THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR HAS SIGNED BELOW.*

DIRECTOR OF PLANNING:
DATE RECEIVED:
RECEIVED BY:

APPLICATION:
- ☐ Certificate of Appropriateness (COA)
- ☐ Local Landmark Evaluation & Designation
- ☒ Building Permit Waiver & Reduction Program
- ☐ Small Matching Grant Application

SPECIAL DISTRICTS [SELECT APPLICABLE]:
- ☐ Old Town Rockwall Historic (OTR) District
- ☐ Planned Development District 50 (PD-50)
- ☐ Southside Residential Neighborhood Overlay (SRO) District
- ☐ Downtown (DT) District

CONTRIBUTING STATUS [SELECT APPLICABLE]:
- ☐ Landmarked Property
- ☐ High Contributing Property
- ☐ Medium Contributing Property
- ☐ Low Contributing Property
- ☐ Non-Contributing Property

CURRENT LAND USE OF THE SUBJECT PROPERTY:
- ☐ Residential
- ☐ Commercial

PROPERTY INFORMATION [PLEASE PRINT]

Address: 602 North Goliad St.
Subdivision: Lot: Block:

OWNER/APPLICANT/AGENT INFORMATION [PLEASE PRINT/CHECK THE PRIMARY CONTACT/ORIGINAL SIGNATURES ARE REQUIRED]

Is the owner of the property the primary contact? ☒ Yes ☐ No
Applicant(s) is/are: ☐ Owner ☐ Tenant ☐ Non-Profit ☐ Resident

☒ Check this box if Owner and Applicant are the same.
☐ Other, Specify:

	Owner(s)	Applicant(s)
Name	Barbara Criswell	
Address	1890 Avonlea Drive Rockwall, TX 75087	
Phone	972-489-5021	
E-Mail	barbara_criswell@hotmail.com	

SCOPE OF WORK/REASON FOR EVALUATION REQUEST [PLEASE PRINT]

Construction Type [Check One] :
☐ Exterior Alteration ☐ New Construction ☐ Addition ☐ Demolition
☐ Relocations ☒ Other, Specify: Remodel of interior + exterior paint

Estimated Cost of Construction/Demolition of the Project (*if Applicable*): $ 45,000

PROJECT DESCRIPTION. In the space provided below, describe in detail the work that will be performed on site. For *Local Landmark Evaluation & Designation* requests indicate any additional information you may have concerning the property, history, significance, present conditions, status, current or past use(s), etc. Staff recommends that photographs of the interior and exterior of the property are submitted with this application.

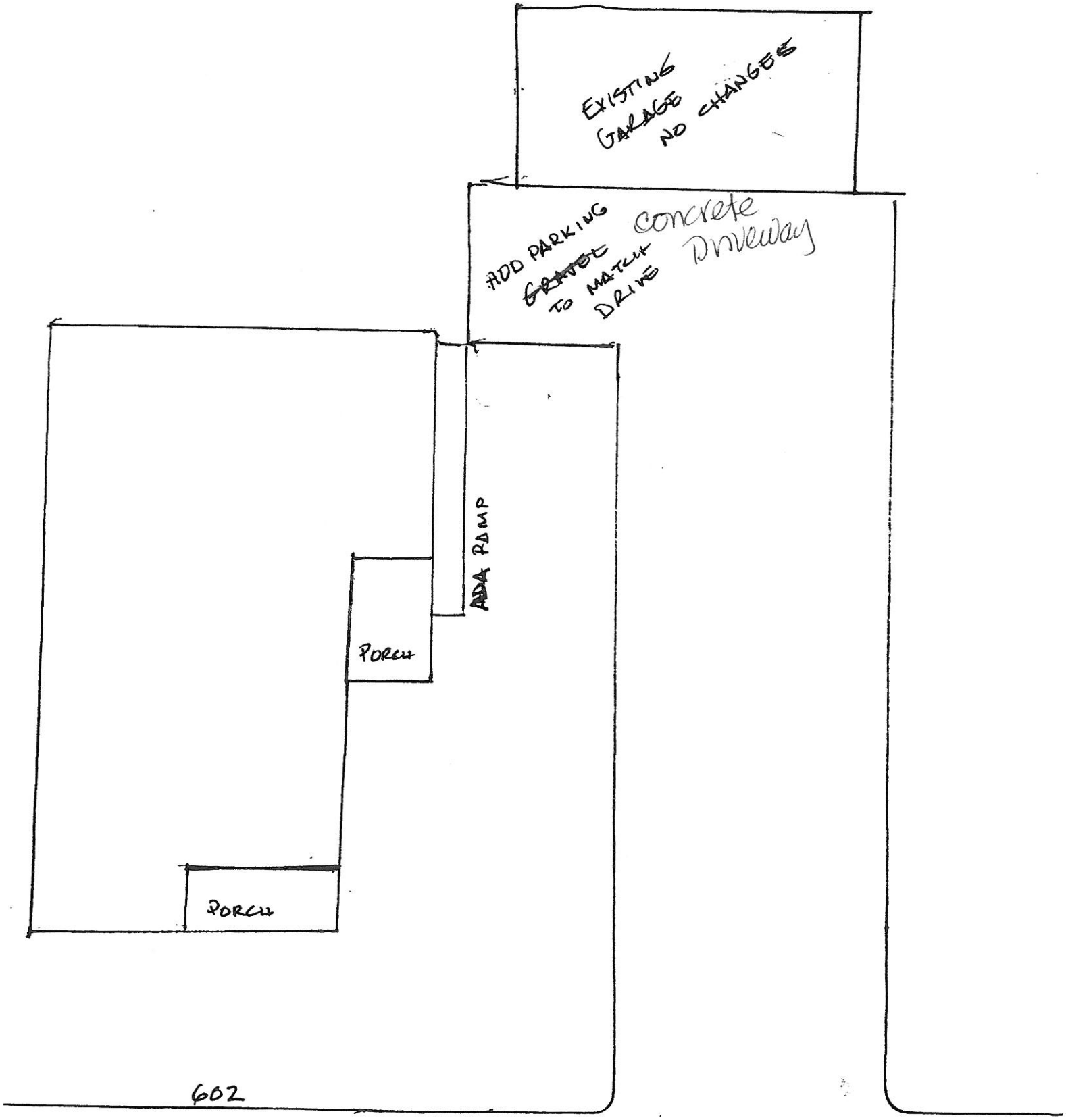
New roof, new flooring, new drywall, new bathrooms, one ADA Compliant bathroom; new driveway + parking
Exterior paint, porch repair, foundation work.
A non-profit clinic, Grace Clinic, will be the tenant providing healthcare for Rockwall residents.

OWNER & APPLICANT AFFIDAVIT [ORIGINAL SIGNATURES REQUIRED]

I acknowledge that I have read this application and that all information contained herein is true and correct to the best of my knowledge. Furthermore, I understand that it is necessary for me or a representative to be present at a public hearing for this case to be approved.

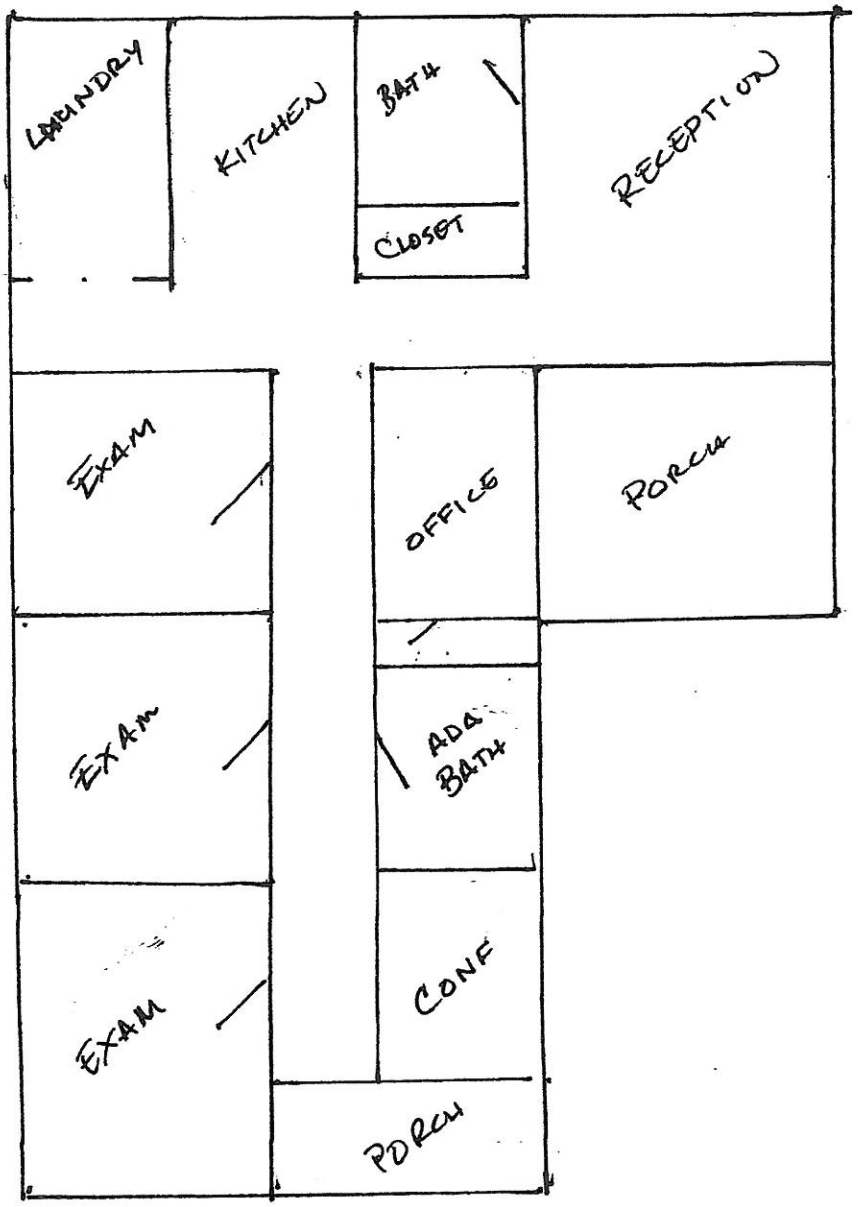
Owner's Signature Barbara Criswell ***Applicant's Signature***

EXTERIOR

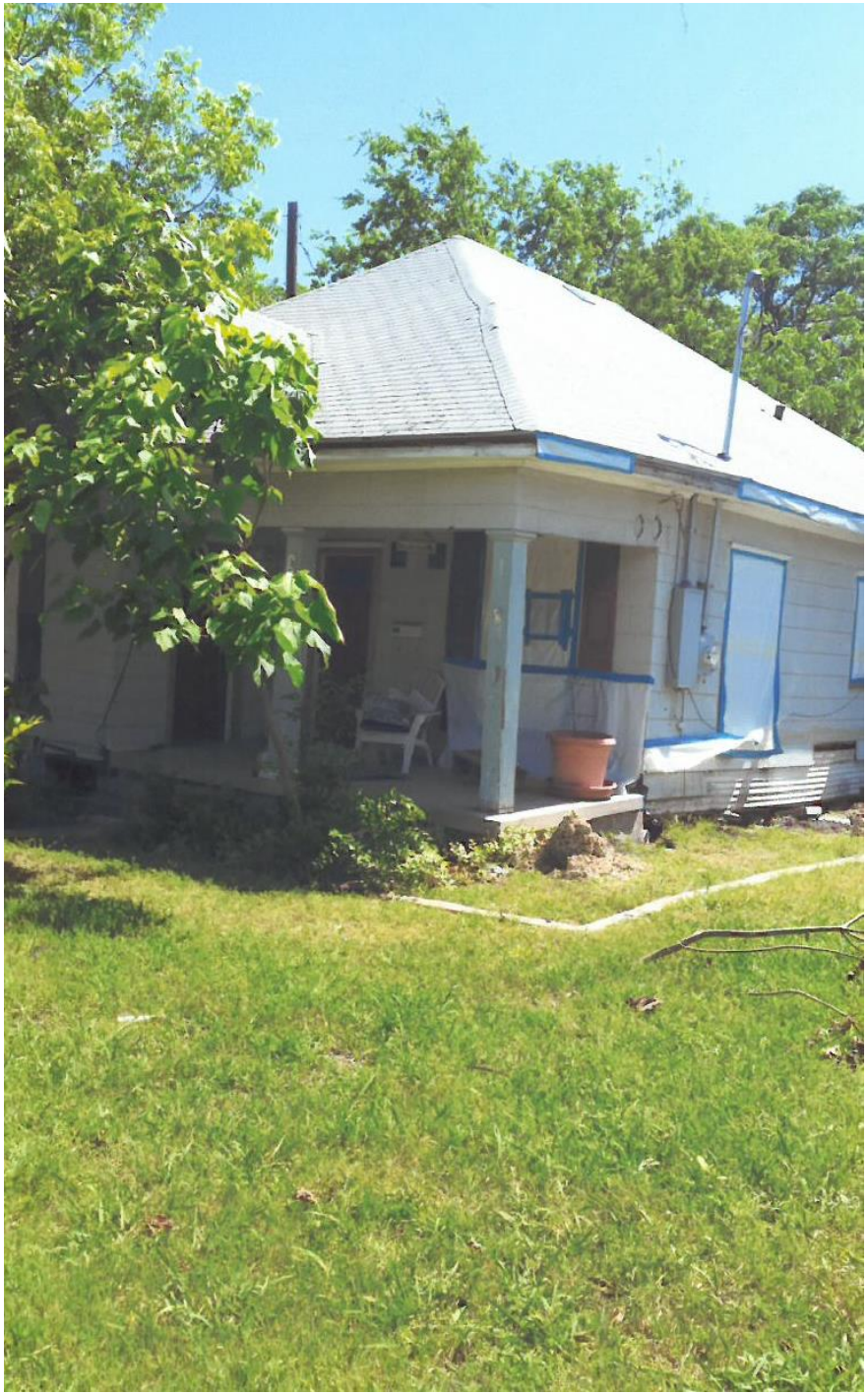


GOLIAD

INTERIOR



GOLIAD



LaQuey
Environmental Services, Inc.

FINAL REPORT

ASBESTOS MANAGEMENT and AIR MONITORING

of the

Empty Building
602 N. Goliad St.
Rockwall, TX 75087

for

Barbara Criswell
1890 Avonlea Dr.
Rockwall, TX 75087

Prepared by
Richard L. LaQuey IAC, CHMM
LaQuey Environmental Services, Inc.

May 11, 2016

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY

LaQuey Environmental Services was retained by Barbara Criswell to provide on-site management services for the asbestos management and asbestos abatement of the ACM flooring, wallboard system, window glazing, and the roof equipment flashing of the empty building, 602 N. Goliad St., Rockwall, Texas 75087. The asbestos management portion of the project was performed by LaQuey Environmental Services, Inc. The asbestos abatement portion of the project was performed by Pacific Environmental Group LLC. The asbestos management and abatement services were conducted on April 28 – May 2, 2016.

The abatement involved the removal of approximately 560 ft² of linoleum flooring, 5,000 ft² of ACM wallboard system, 18 windows with of window glazing, and 15 ft² of roof equipment flashing. The PCM air samples collected inside and outside of the regulated area during the abatement activities revealed the fiber concentration to be less than 0.01 f/cc, which was the clearance levels for this project.

2.0 INTRODUCTION

LaQuey Environmental Services, Inc. (LESI) was hired by Barbara Criswell to provide Asbestos Management and Asbestos Abatement services at the empty building on April 28 – May 2, 2016. The engagement letter was signed by Barbara Criswell on April 14, 2016.

The objective of these asbestos management and asbestos abatement services are the safe removal and disposal of asbestos containing material and to meet the requirements of the Texas Department of Health Services Texas Asbestos Health Protection Rules (TAPHA) §295.34 ASBESTOS MANAGEMENT IN FACILITIES AND PUBLIC BUILDINGS, (g) Mandatory abatement project design.

LESI provided the TDSHS licensed asbestos air monitoring technicians and project managers. LESI's air monitoring technician collected personal and ambient air samples to document fiber levels during the abatement project. LESI's project manager monitored the work performed by the TDSHS licensed asbestos abatement contractor during the abatement project.

Pacific Environmental Group LLC provided the TDSHS licensed asbestos abatement supervisors and workers. Asbestos abatement activities included the proper abatement and disposal of asbestos containing material identified in the pre-demolition asbestos survey performed by LaQuey Environmental Services, Inc. on April 12, 2016.

3.0 ASBESTOS MANAGEMENT

LaQuey Environmental Services, Inc. (LESI) is licensed by the TDSHS as an Asbestos Consultant Agency (License No. 10-0523). Cates Laboratories, Inc. is licensed as an Asbestos Laboratory (License No. 30-0287). Richard LaQuey, LESI's President, is licensed by the TDSHS as an Individual Asbestos Consultant (License No. 10-5789). LESI's field staff consists of TDSHS licensed asbestos project managers and air monitoring technicians. All of LESI's on-site personnel are NIOSH 582 certified microscopists who are active and proficient participants in the American Industrial Hygiene Association's (AIHA) Proficiency Analytical Testing (PAT) program. Richard LaQuey was the LESI on-site asbestos consultant (License No. 10-5789) for the asbestos abatement project at the empty building, 602 N. Goliad St., Rockwall, TX 75087.

Ambient air was sampled by LESI to document fiber levels encountered during this abatement project. A total of 40 PCM air samples, including blind field blanks and blind recounts, were collected and analyzed by LESI during the project. Phase Contrast Microscopy (PCM) air tests were collected and analyzed according to the National Institute of Occupational Safety and Health (NIOSH) Method 7400. Locations of the air tests and corresponding fiber concentrations are located in Appendix B.

3.1 METHOD OF ANALYSIS

LESI's strategy for air sampling is to provide a sufficient number of precise, accurate, and strategically placed air tests around the regulated area to verify that proper work procedures are utilized. LESI uses a "worst case" sampling stategy, meaning that LESI collects air test where the possibility is greatest for fiber escape, thus providing important documentation to verify conditions at these high potential problem areas.

Field blanks are submitted and analyzed for ten (10) per cent of the samples used; this is a quality assurance procedure utilized to assure LESI that there is no contamination on the filter before sampling begins.

3.2 MATERIALS AND EQUIPMENT

Samples were collected at a set flow rate with the use of constant flow, low volume, battery operated air sampling pumps. The pumps used to take air samples throughout the project are calibrated with Dwyer field flowmeters before and after each use. All flowmeters are periodically checked against Buck calibrators (primary calibration standard).

Samples are collected on 25 mm non-conductive cassettes with 50 mm extension cowling. Sample cassettes contain 0.8 micrometer (μm) porosity mixed cellulose ester (MCE) filters.

3.3 NIOSH METHOD 7400

Air samples are analyzed according to NIOSH Method 7400. Phase Contrast Microscopy (PCM) is the choice of analysis during the asbestos response project due mainly for the ability of timely sample analysis.

Filter segments are analyzed under the PCM microscope 400X power. The number of fibers longer than 5 microns (μm) with a length to width ratio greater than 3:1 are counted to determine the fibers per cubic centimeter of air. This method is not specific to asbestos: all fibers meeting counting criteria must be counted. Fibers such as fiberglass, cellulose, rayon, dacron, mineral wool, gypsum, and plaster may be counted, if they meet the counting criteria.

3.4 ANALYSIS PROCEDURES

Prior to use, the microscope is calibrated and the phase rings adjusted using the centering telescope. Kohler illumination is achieved prior to analysis of each filter with the phase contrast microscope. LESI uses Olympus CX22LED microscopes equipped with turret condensers and a 40X objective for analysis. The field microscope is checked for proper resolution prior to use with an HSE/NPL Mark II test slide. Ten (10) per cent of all samples analyzed are recounted by the sample analyst or the lab manager; this is a quality control procedure utilized to assure the proficiency of the analysts.

Sample results are documented according to field identification number, date taken, sample location, and work activity. The total volume of air collected on each sample is based on the flow rate (liters of air per minute) in which the pump was calibrated and the length of time the sample was collected. A count of fibers per square millimeter (f/mm^2) of filter medium is reportedto determine the density of fibers collected on each filter.

3.5 ANALYTICAL RESULTS

Air samples were collected and analyzed in general accordance with the National Institute for Occupational Safety and Health (NIOSH) 7400 method. The samples were collected at a flow rate 2.5 and 12.0 liters per minute for a time period adequate to provide a sufficient volume of air to pass through the filter cassette.

The volume of air passing through the filter media enabled LESI to utilize a detection limit between $1.1X\ 10^{-5}$ and $9.0X\ 10^{-7}$ fibers per cubic centimeter (f/cc). Analysis of air samples collected inside and outside the work area at the completion of the abatement activities revealed fiber concentrations below 0.01 f/cc, which is the EPA clean air levels specified for this project.

A total of forty PCM air samples were collected and analyzed by LESI during the five day project. These samples were analyzed utilizing Phase Contrast Microscopy (PCM) according to the National Institute for Occupational Safety and Health (NIOSH) Method 7400. The results of these analyses reported the fiber concentration of all samples to be well below the permissible exposure limit of 0.10 f/cc. The location of the analyses and the fiber concentration are found in Appendix B of the Final Report.

LaQuey
Environmental Services, Inc.

1959 CR 144 Kaufman, TX 75142 (C) 972.467.3171, (O) 972.932.8737, (F) 972.932.8738

AIR SAMPLE ANALYSIS REPORT

CLIENT: BARBARA CRISWELL
1890 AVONLEA DR.
ROCKWALL, TEXAS 75087

PROJECT SITE: EMPTY BUILDING
602 N. GOLIAD ST.
ROCKWALL, TEXAS 75087

PROJECT NUMBER: 1172.01

Richard LaQuey
Analyst/Project Manager/Air Monitoring Technician

NIOSH Method 7400/A Counting Rules

DECON= Three Stage Decontamination Chamber
OCA= Outside Containment Area
ICA= Inside Containment Area
HE= HEPA Exhaust from Negative Air Machines
STEL= Short Term Excursion Limit
PEL= Permissible Exposure Limit

BDL=Below the Detection Limit
0.010 f/cc=EPA Level for Clean Air
0.10 f/cc=Permissible Exposure Limit

DATE	SAMPLE NUMBER	DESCRIPTION/LOCATION	WORK PROCESS	TIME ON	TIME OFF	FLOW RATE (LPM)	VOLUME SAMPLED (LITERS)	DETECTION LIMIT	FIBER DENSITY (f/mm2)	FIBER CONCEN-TRATION (f/cc)
4/28/16	1	FIELD BLANK	ABATEMENT	N/A	N/A	N/A	N/A	N/A	0.00	0.00
4/28/16	2	FIELD BLANK	ABATEMENT	N/A	N/A	N/A	N/A	N/A	0.00	0.00
4/28/16	3	BASELINE-1	ABATEMENT	8:35	10:20	12.0	1260.0	0.0000006	NA	ARCHIVED
4/28/16	4	BASELINE-2	ABATEMENT	8:35	10:20	12.0	1260.0	0.0000006	NA	ARCHIVED
4/28/16	5	BASELINE-3	ABATEMENT	8:35	10:20	12.0	1260.0	0.0000006	NA	ARCHIVED
4/29/16	6	FIELD BLANK	ABATEMENT	N/A	N/A	N/A	N/A	N/A	0.00	0.00
4/29/16	7	FIELD BLANK	ABATEMENT	N/A	N/A	N/A	N/A	N/A	0.00	0.00
4/29/16	8	DECON	ABATEMENT	9:27	14:27	2.5	725.0	0.0000011	7.6	0.004
4/29/16	9	OCA	ABATEMENT	9:27	14:27	2.5	725.0	0.0000011	12.7	< 0.007
4/29/16	10	ICA	ABATEMENT	9:25	14:25	2.5	725.0	0.0000011	38.2	0.020

LaQuey
Environmental Services, Inc.

1959 CR 144 Kaufman, TX 75142 (C) 972.467.3171, (O) 972.932.8737, (F) 972.932.8738

AIR SAMPLE ANALYSIS REPORT

CLIENT: BARBARA CRISWELL
1890 AVONLEA DR.
ROCKWALL, TEXAS 75087

PROJECT SITE: EMPTY BUILDING
602 N. GOLIAD ST.
ROCKWALL, TEXAS 75087

PROJECT NUMBER: 1172.01

Richard LaQuey
Analyst/Project Manager/Air Monitoring Technician

NIOSH Method 7400/A Counting Rules

DECON= Three Stage Decontamination Chamber
OCA= Outside Containment Area
ICA= Inside Containment Area
HE= HEPA Exhaust from Negative Air Machines
STEL= Short Term Excursion Limit
PEL= Permissible Exposure Limit

BDL=Below the Detection Limit
0.010 f/cc=EPA Level for Clean Air
0.10 f/cc=Permissible Exposure Limit

DATE	SAMPLE NUMBER	DESCRIPTION/LOCATION	WORK PROCESS	TIME ON	TIME OFF	FLOW RATE (LPM)	VOLUME SAMPLED (LITERS)	DETECTION LIMIT	FIBER DENSITY (f/mm2)	FIBER CONCEN-TRATION (f/cc)
4/29/16	11	HE	ABATEMENT	9:23	14:13	2.5	725	0.0000011	15.3	0.008
4/29/16	12	STEL	ABATEMENT	9:20	9:50	2.5	75	0.000011	12.7	0.065
4/29/16	13	PEL-1	ABATEMENT	9:50	14:50	2.5	750.0	0.000001	17.8	0.009
4/29/16	14	PEL-2	ABATEMENT	9:20	14:50	2.5	825.0	0.0000009	41.5	0.019
4/30/16	15	FIELD BLANK	ABATEMENT	N/A	N/A	N/A	N/A	N/A	0.00	0.00
4/30/16	16	FIELD BLANK	ABATEMENT	N/A	N/A	N/A	N/A	N/A	0.00	0.00
4/30/16	17	DECON	ABATEMENT	7:14	14:14	2.5	1,050.0	0.0000007	5.1	< 0.002
4/30/16	18	OCA	ABATEMENT	7:14	14:14	2.5	1,050.0	0.0000007	12.7	< 0.005
4/30/16	19	ICA	ABATEMENT	7:13	14:13	2.5	1,050.0	0.0000007	21.6	< 0.008
4/30/16	20	HE	ABATEMENT	7:13	14:13	2.5	1,050.0	0.0000007	3.8	0.001

LaQuey
Environmental Services, Inc.

1959 CR 144 Kaufman, TX 75142 (C) 972.467.3171, (O) 972.932.8737, (F) 972.932.8738

AIR SAMPLE ANALYSIS REPORT

CLIENT: BARBARA CRISWELL
1890 AVONLEA DR.
ROCKWALL, TEXAS 75087

PROJECT SITE: EMPTY BUILDING
602 N. GOLIAD ST.
ROCKWALL, TEXAS 75087

PROJECT NUMBER: 1172.01

Richard LaQuey
Analyst/Project Manager/Air Monitoring Technician

NIOSH Method 7400/A Counting Rules

DECON= Three Stage Decontamination Chamber
OCA= Outside Containment Area
ICA= Inside Containment Area
HE= HEPA Exhaust from Negative Air Machines
STEL= Short Term Excursion Limit
PEL= Permissible Exposure Limit

BDL=Below the Detection Limit
0.010 f/cc=EPA Level for Clean Air
0.10 f/cc=Permissible Exposure Limit

DATE	SAMPLE NUMBER	DESCRIPTION/LOCATION	WORK PROCESS	TIME ON	TIME OFF	FLOW RATE (LPM)	VOLUME SAMPLED (LITERS)	DETECTION LIMIT	FIBER DENSITY (f/mm2)	FIBER CONCEN-TRATION (f/cc)
4/30/16	21	STEL	ABATEMENT	7:30	8:00	2.5	75	0.000011	6.4	< 0.033
4/30/16	22	PEL-1	ABATEMENT	8:00	14:30	2.5	975.0	0.0000008	25.5	0.010
5/1/16	23	FIELD BLANK	ABATEMENT	N/A	N/A	N/A	N/A	N/A	0.00	0.00
5/1/16	24	FIELD BLANK	ABATEMENT	N/A	N/A	N/A	N/A	N/A	0.00	0.00
5/1/16	25	DECON	ABATEMENT	7:37	14:17	2.5	1,000.0	0.0000008	5.1	< 0.002
5/1/16	26	OCA	ABATEMENT	7:37	14:17	2.5	1,000.0	0.0000008	7.6	< 0.003
5/1/16	27	ICA	ABATEMENT	7:35	14:15	2.5	1,000.0	0.0000008	20.4	< 0.008
5/1/16	28	HE	ABATEMENT	7:35	14:15	2.5	1,000.0	0.0000008	2.5	< 0.001
5/1/16	29	STEL	ABATEMENT	7:11	14:11	2.5	75.0	0.000011	15.3	0.078
5/1/16	30	PEL-1	ABATEMENT	7:11	14:11	2.5	975.0	0.0000008	23.6	0.009

LaQuey
Environmental Services, Inc.

1959 CR 144 Kaufman, TX 75142 (C) 972.467.3171, (O) 972.932.8737, (F) 972.932.8738

AIR SAMPLE ANALYSIS REPORT

CLIENT: BARBARA CRISWELL
1890 AVONLEA DR.
ROCKWALL, TEXAS 75087

PROJECT SITE: EMPTY BUILDING
602 N. GOLIAD ST.
ROCKWALL, TEXAS 75087

PROJECT NUMBER: 1172.01

Richard LaQuey
Analyst/Project Manager/Air Monitoring Technician

NIOSH Method 7400/A Counting Rules

DECON= Three Stage Decontamination Chamber
OCA= Outside Containment Area
ICA= Inside Containment Area
HE= HEPA Exhaust from Negative Air Machines
STEL= Short Term Excursion Limit
PEL= Permissible Exposure Limit

BDL=Below the Detection Limit
0.010 f/cc=EPA Level for Clean Air
0.10 f/cc=Permissible Exposure Limit

DATE	SAMPLE NUMBER	DESCRIPTION/LOCATION	WORK PROCESS	TIME ON	TIME OFF	FLOW RATE (LPM)	VOLUME SAMPLED (LITERS)	DETECTION LIMIT	FIBER DENSITY (f/mm2)	FIBER CONCEN-TRATION (f/cc)
5/1/16	31	PEL-2	ABATEMENT	7:29	14:29	2.5	1,050.0	0.0000007	21.0	< 0.008
5/1/16	32	BO	ABATEMENT	7:45	9:35	2.5	275	0.0000029	2.5	< 0.004
5/2/16	33	FIELD BLANK	ABATEMENT	N/A	N/A	N/A	N/A	N/A	0.00	0.00
5/2/16	34	FIELD BLANK	ABATEMENT	N/A	N/A	N/A	N/A	N/A	0.00	0.00
5/2/16	35	CL-1	ABATEMENT	6:13	7:58	12.0	1260.0	0.0000006	6.4	< 0.002
5/2/16	36	CL-2	ABATEMENT	6:13	7:58	12.0	1260.0	0.0000006	7.0	0.002
5/2/16	37	CL-3	ABATEMENT	6:13	7:58	12.0	1260.0	0.0000006	4.5	0.001
5/2/16	38	UPWIND	ABATEMENT	8:50	11:20	2.5	375.0	0.0000021	3.8	< 0.004
5/2/16	39	DOWNWIND	ABATEMENT	8:50	11:20	2.5	375.0	0.0000021	2.5	< 0.003
5/2/16	40	PEL	ABATEMENT	8:52	10:52	2.5	300.0	0.0000027	2.5	0.003

4.0 QUALIFICATIONS OF THE ENVIRONMENTAL PROFESSIONAL

2015 – Present.	Individual Asbestos Consultant TDSHS License # 105789
1992 – Present.	Certified Hazardous Material Manager # 4995
1982.	Bachelor of Science in Chemistry, Double Minor: Mathematics and Physics, University of Texas at Arlington.
1996 – Present.	LaQuey Environmental Services, Inc., President and General Manager.
1984 – 1996.	Chemaway Transport, Inc., President and General Manager.

APPENDICES

APPENDIX A

LAQUEY ENVIRONMENTAL SERVICES, INC.

AND

CATES LABORATORIES, INC.

TDSHS LICENCES

TEXAS DEPARTMENT OF STATE HEALTH SERVICES

LAQUEY ENVIRONMENTAL SERVICES INC

is certified to perform as a

Asbestos Consultant Agency

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.

DAVID LAKEY, M.D.
COMMISSIONER OF HEALTH

License Number: 100523

Control Number: 96792

Expiration Date: 4/16/2017

(Void After Expiration Date)

VOID IF ALTERED NON-TRANSFERABLE

Texas Department of State Health Services

Asbestos Individual Consultant

RICHARD L LAQUEY
License No. 105789
Control No. 96838
Expiration Date: 4/15/2017

TEXAS DEPARTMENT OF STATE HEALTH SERVICES

CATES LABORATORIES INC

is certified to perform as a

Asbestos Laboratory
PCM, PLM

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.

DAVID LAKEY, M.D.
COMMISSIONER OF HEALTH

License Number: 300287

Expiration Date: 4/7/2017

Control Number: 96020

(Void After Expiration Date)

VOID IF ALTERED NON-TRANSFERABLE

LaQuey
Environmental Services, Inc.

Asbestos Consulting Agency TDSHS License # 10-0523
Asbestos Laboratory TDSHS License # 30-0287

DAILY REPORT

Date	**4-28-16**
Client	**Barbara Criswell**
Project	**Empty Building-ACM Wallboard and Window Glazing (1172.01)**
Address	**620 N. Goliad St., Rockwall, TX 75087**

Abatement Contractor & DSHS Lic. #	**Pacific Environmental Group LLC (80-1057)**
Waste Transporter & DSHS Lic. #	**Pacific Environmental Group LLC (40-0525)**
Abatement Supervisor & DSHS Lic. #	**Manuel Valladares (80-4604)**
Supervisor & # Workers:	**1 Supervisor & 7 Workers**
Personal Protective Equipment (PPE)	**HM Respirator, Tyvek Suits, Rubber Boots**
Individual Asbestos Consultant (IAC) & DSHS Lic. #	**Richard LaQuey (10-5789)**
Project Manager (PM) & DSHS Lic. #	**Richard LaQuey (10-5789)**
Air Monitoring Technician (AMT) & DSHS Lic. #	**Richard LaQuey (10-5789)**
Rotometer # & Calibration Date	**19457-00 (4-25-16)**
LaQuey Environmental Services, Inc. Project #	**1172.01**
Activity / Type & Quantities of ACBM Removed	**Abatement of ACM Wallboard and Window Glazing**
Total On-Site Time / Travel Time	**10.0 hours**

Project Manager Signature

Daily Activities:

8:05 am Rick LaQuey (LESI) arrived at the jobsite. Some of the PEG crew was on-site waiting for the supervisor.

8:20 am LESI calibrated 3 HV air pumps (12.0 L/M) for baseline samples.

8:35 am LESI staged 3 HV air pumps with baseline sample cassettes inside the work area, turned them on, and recorded the time.

8:45 am LESI began to complete the daily paperwork.

LaQuey
Environmental Services, Inc.

DAILY REPORT

Continuation Page 2

Date: 4-28-16 **Project:** 1172.01

Daily Activities:

9:20 am	**LESI checked the 3 HV air pumps with baseline sample cassettes and everything was working fine.**
9:48 am	**LESI met with the PEG supervisor to discuss the scope of work. This project will remove ACM ceiling and wallboard systems and window glazing.**
9:55 am	**The PEG crew began prepping the work area.**
10:20 am	**LESI collected the 3 HV air pumps with baseline sample cassettes and recorded the time. LESI archived the baseline sample cassettes.**
11:00 am	**LESI checked the progress of the prep. The PEG crew was putting poly sheeting on the floors and over some of the windows.**
12:00 pm	**The PEG crew stopped work and went to lunch.**
1:00 pm	**The PEG crew returned from lunch and returned to prepping the containment.**
1:55 pm	**The PEG crew continued to prep the containment inside the building and some of the crew went outside to place criticals over the windows.**
2:51 pm	**LESI checked the progress of the containment prep. The PEG crew was putting criticals over all of the windows and doors.**
3:35 pm	**LESI checked the progress of the containment prep. The PEG crew was sealing areas on the ceiling and the roof of the containment.**
3:55 pm	**The PEG crew continued to prep the containment. LESI checked the PEG worker's paperwork. Everything was in order.**
4:46 pm	**The PEG crew began pick up their tools to load their equipment into their truck.**
5:00 pm	**The PEG crew stopped work and left the job-site. LESI stopped work and left the job-site.**

LaQuey
Environmental Services, Inc.

Asbestos Consulting Agency TDSHS License # 10-0523
Asbestos Laboratory TDSHS License # 30-0287

DAILY REPORT

Date	**4-29-16**
Client	**Barbara Criswell**
Project	**Empty Building-ACM Wallboard and Window Glazing (1172.01)**
Address	**620 N. Goliad St., Rockwall, TX 75087**

Abatement Contractor & DSHS Lic. #	**Pacific Environmental Group LLC (80-1057)**
Waste Transporter & DSHS Lic. #	**Pacific Environmental Group LLC (40-0525)**
Abatement Supervisor & DSHS Lic. #	**Manny Valladares (80-4604)**
Supervisor & # Workers:	**1 Supervisor & 5 Workers**
Personal Protective Equipment (PPE)	**HM Respirator, Tyvek Suits, Rubber Boots**
Individual Asbestos Consultant (IAC) & DSHS Lic. #	**Richard LaQuey (10-5789)**
Project Manager (PM) & DSHS Lic. #	**Richard LaQuey (10-5789)**
Air Monitoring Technician (AMT) & DSHS Lic. #	**Richard LaQuey (10-5789)**
Rotometer # & Calibration Date	**19457-00 (4-25-16)**
LaQuey Environmental Services, Inc. Project #	**1172.01**
Activity / Type & Quantities of ACBM Removed	**Abatement of ACM Wallboard and Window Glazing**
Total On-Site Time / Travel Time	**10.0 hours**

Project Manager Signature

Daily Activities:

6:55 am Rick LaQuey (LESI) arrived at the jobsite. The PEG supervisor crew was on-site waiting for the equipment truck.

7:10 am The equipment truck arrived at the job-site and the PEG crew began to stage equipment inside the containment and continued to work on the prep.

7:20 am LESI calibrated 3 HV air pumps (2.5 L/M) and 3 LV air pumps for ambient and OSHA amples.

LaQuey
Environmental Services, Inc.

DAILY REPORT

Continuation Page 2

Date: 4-29-16 **Project:** 1172.01

Daily Activities:

7:25 am	LESI spoke with the PEG supervisor regarding the kitchen cabinets. LESI told him to go slow when removing them and try very hard not to damage them. He said that they would try very hard not to damage them.
7:35 am	The PEG supervisor left the job-site to go to the store. The PEG crew continued to work on prepping the containment.
8:58 am	The PEG supervisor asked LESI to perform the pre-abatement visual inspection. LESI and the PEG supervisor entered the containment and performed the inspection. LESI asked the PEG supervisor to put criticals over several openings in the walls inside the containment. He said that he would tell the crew to do it.
9:20 am	LESI placed 2 LV air pumps with OSHA sample cassettes on 2 PEG workers, turned them on, and recorded the time. The PEG crew suited up into PPE and entered the containment. The manometer read (-0.030).
9:23 am	LESI placed 3 HV air pumps and 1 LV air pump with ambient sample cassettes inside and outside the regulated area, turned them on, and recorded the time.
9:50 am	LESI swapped the PEL-1 sample cassette for the STEL sample cassette and recorded the time.
10:23 am	B&B Waste dropped off a waste dumpster.
10:42 am	LESI checked the pumps, criticals, and manometer (-0.021).
11:35 am	LESI checked the progress of the abatement. The PEG crew was removing the wallboard and ceiling in the two rooms on the west side of the building.
12:00 pm	The PEG crew stopped work and went to lunch.
12:14 pm	LESI suited up into PPE and entered the containment to check the progress of the abatement.
12:35 pm	Ted Wyman (TDSHS) arrived at the job-site and performed an asbestos compliance inspection.
1:00 pm	The PEG crew returned from lunch and returned to demolishing the ceiling and wallboard systems inside the containment.
1:39 pm	Ted Wyman (TDSHS) finished the asbestos compliance inspection and left the job-site. There were no violations found.
1:41 pm	LESI checked the pumps, criticals, and the manometer (-0.029).
2:17 pm	LESI collected the 3 HV air pumps and 1 LV air pump with ambient sample cassettes.
2:31 pm	LESI prepped the ambient sample slides.
2:50 pm	LESI collected the 2 LV air pumps with OSHA sample cassettes.
2:56 pm	LESI prepped the OSHA sample slides.

LaQuey
Environmental Services, Inc.

DAILY REPORT

Continuation Page 3

Date: 4-29-16 **Project:** 1172.01

Daily Activities:

3:18 pm	**LESI began to read the ambient and OSHA sample slides with the PCM microscope and record the results.**
4:00 pm	**The PEG crew stopped work and left the job-site.**
4:33 pm	**LESI completed the daily paperwork and prepared tomorrows cassettes and paperwork.**
5:00 pm	**LESI stopped work and left the job-site.**

LaQuey
Environmental Services, Inc.

Asbestos Consulting Agency TDSHS License # 10-0523
Asbestos Laboratory TDSHS License # 30-0287

DAILY REPORT

Date	**4-30-16**
Client	**Barbara Criswell**
Project	**Empty Building-ACM Wallboard and Window Glazing (1172.01)**
Address	**620 N. Goliad St., Rockwall, TX 75087**

Abatement Contractor & DSHS Lic. #	**Pacific Environmental Group LLC (80-1057)**
Waste Transporter & DSHS Lic. #	**Pacific Environmental Group LLC (40-0525)**
Abatement Supervisor & DSHS Lic. #	**Manny Valladares (80-4604)**
Supervisor & # Workers:	**1 Supervisor & 5 Workers**
Personal Protective Equipment (PPE)	**HM Respirator, Tyvek Suits, Rubber Boots**
Individual Asbestos Consultant (IAC) & DSHS Lic. #	**Richard LaQuey (10-5789)**
Project Manager (PM) & DSHS Lic. #	**Richard LaQuey (10-5789)**
Air Monitoring Technician (AMT) & DSHS Lic. #	**Richard LaQuey (10-5789)**
Rotometer # & Calibration Date	**19457-00 (4-25-16)**
LaQuey Environmental Services, Inc. Project #	**1172.01**
Activity / Type & Quantities of ACBM Removed	**Abatement of ACM Wallboard and Window Glazing**
Total On-Site Time / Travel Time	**10.0 hours**

Project Manager Signature

Daily Activities:

7:01 am Rick LaQuey (LESI) arrived at the jobsite.

7:05 am LESI calibrated 3 HV air pumps (2.5 L/M) and 3 LV air pumps for ambient and OSHA amples.

7:13 am LESI placed 3 HV air pumps and 1 LV air pump with ambient sample cassettes inside and outside the regulated area, turned them on, and recorded the time.

7:21 am The PEG supervisor held a safety meeting with the PEG crew.

LaQuey
Environmental Services, Inc.

DAILY REPORT

Continuation Page 2

Date: 4-30-16 **Project:** 1172.01

Daily Activities:

7:26 am	LESI met with the PEG supervisor and discussed the scope of work for the day. He said that the crew would continue to demolish the ceiling and wallboard using lots of water and bag the ACM waste.
7:30 am	LESI placed 1 LV air pump with OSHA sample cassette on 1 PEG worker, turned it on, and recorded the time. The PEG crew suited up into PPE and entered the containment. The manometer read (-0.025).
8:00 am	LESI swapped the PEL-1 sample cassette for the STEL sample cassette and recorded the time.
8:33 am	LESI checked the progress of the abatement. Some of the PEG crew was demolishing the ceiling and wallboard systems using lots of water and other crew members were double bagging the ACM waste.
9:42 am	LESI checked the pumps, criticals, and manometer (-0.022).
10:35 am	LESI checked the progress of the abatement. The PEG crew continued to remove the wallboard and ceiling and bag the ACM waste.
11:22 am	LESI checked the pumps, criticals, and manometer (-0.026).
12:00 pm	The PEG crew stopped work and went to lunch.
12:19 pm	LESI suited up into PPE and entered the containment to check the progress of the abatement. The PEG crew had removed most of the ceiling and wallboard inside the containment.
1:00 pm	The PEG crew returned from lunch and returned to removing the ceiling and wallboard inside the containment.
1:31 pm	LESI checked the pumps, criticals, and the manometer (-0.022).
2:13 pm	LESI collected the 3 HV air pumps and 1 LV air pump with ambient sample cassettes.
2:21 pm	LESI prepped the ambient sample slides.
2:30 pm	LESI collected the 1 LV air pump with OSHA sample cassette.
2:36 pm	LESI prepped the OSHA sample slide.
3:01 pm	LESI began to read the ambient and OSHA sample slides with the PCM microscope and record the results.
3:43 pm	LESI completed the daily paperwork and prepared tomorrows cassettes and paperwork.
4:15 pm	The PEG crew stopped work and left the job-site. LESI stopped work and left the job-site.

LaQuey
Environmental Services, Inc.

DAILY REPORT

Continuation Page 2

Date: 5-1-16 **Project:** 1172.01

Daily Activities:

7:25 am	LESI discussed the daily scope of work with the PEG supervisor. The PEG crew needed to detail some of the ceilings and walls in the front and back of the containment. There was some ceiling and wallboard that needed to be removed in a couple of rooms. The linoleum needed to be removed in some of the rooms.
7:29 am	LESI placed 2 LV air pumps with OSHA sample cassettes on 2 PEG workers, turned them on, and recorded the time. The PEG crew suited up into PPE and entered the containment. The manometer read (-0.023).
7:35 am	LESI placed 3 HV air pumps and 1 LV air pump with ambient sample cassettes inside and outside the regulated area, turned them on, and recorded the time.
7:45 am	LESI placed 1 LV air pump with BO sample cassette at the bag out chamber, turned it on, and recorded the time. Some of the PEG crew began to bag out wood that had been cleaned with amended water.
7:59 am	LESI swapped the PEL-1 sample cassette for the STEL sample cassette and recorded the time.
8:23 am	LESI checked the progress of the abatement. The PEG crew had finished bagging out the wood and started to bag out ACM linoleum waste to the ACM waste dumpster. Some of the PEG crew continued to detail the ceiling and wallboard systems using lots of water and other crew members were bagging up the ACM waste.
9:02 am	LESI checked the pumps, criticals, and manometer (-0.022).
9:35 am	LESI collected the LV air pump with BO sample cassette. The PEG crew sealed the bag out chamber. The PEG crew continued the abatement.
10:55 am	LESI checked the progress of the abatement. The PEG crew continued to detail the ceiling and wallboard and bag the ACM waste. LESI checked the pumps, criticals, and manometer (-0.029).
11:39 am	LESI checked the pumps, criticals, and manometer (-0.031).
12:00 pm	The PEG crew stopped work and went to lunch.
12:19 pm	LESI suited up into PPE and entered the containment to check the progress of the abatement. The PEG crew had removed all of the ceiling and wallboard inside the containment and most of the linoleum flooring.
1:00 pm	The PEG crew returned from lunch and returned to detailing the ceiling and walls and the flooring inside the containment.
1:12 pm	LESI checked the pumps, criticals, and the manometer (-0.023).
2:15 pm	LESI collected the 3 HV air pumps and 1 LV air pump with ambient sample cassettes.

LaQuey
Environmental Services, Inc.

DAILY REPORT

Continuation Page 3

Date: 5-1-16 **Project:** 1172.01

Daily Activities:

2:21 pm	LESI prepped the ambient sample slides.
2:29 pm	LESI collected the 2 LV air pumps with OSHA sample cassettes.
2:36 pm	LESI prepped the OSHA sample slides.
2:51 pm	LESI began to read the ambient and OSHA sample slides with the PCM microscope and record the results.
3:41 pm	The PEG supervisor asked LESI to perform the final visual inspection. LESI suited up into PPE, entered the containment, and performed the final visual inspection. LESI asked the PEG supervisor to have the crew re-clean areas in the Hallway II, the Dining Room, and the Laundry Room.
3:58 pm	LESI told the PEG supervisor not to encapsulate until LESI re-inspected the areas inside the containment.
4:00 pm	LESI began to complete the daily paperwork.
4:10 pm	LESI suited up, entered the containment, and re-inspected the work areas. LESI told the PEG supervisor that the visual inspection passed and the crew could apply the encapsulate solution.
4:45 pm	The PEG crew stopped work and left the job-site. LESI stopped work and left the job-site.

LaQuey
Environmental Services, Inc.

Asbestos Consulting Agency TDSHS License # 10-0523
Asbestos Laboratory TDSHS License # 30-0287

DAILY REPORT

Date	**5-2-16**
Client	**Barbara Criswell**
Project	**Empty Building-ACM Wallboard and Window Glazing (1172.01)**
Address	**620 N. Goliad St., Rockwall, TX 75087**

Abatement Contractor & DSHS Lic. #	**Pacific Environmental Group LLC (80-1057)**
Waste Transporter & DSHS Lic. #	**Pacific Environmental Group LLC (40-0525)**
Abatement Supervisor & DSHS Lic. #	**Manny Valladares (80-4604)**
Supervisor & # Workers:	**1 Supervisor & 5 Workers**
Personal Protective Equipment (PPE)	**HM Respirator, Tyvek Suits, Rubber Boots**
Individual Asbestos Consultant (IAC) & DSHS Lic. #	**Richard LaQuey (10-5789)**
Project Manager (PM) & DSHS Lic. #	**Richard LaQuey (10-5789)**
Air Monitoring Technician (AMT) & DSHS Lic. #	**Richard LaQuey (10-5789)**
Rotometer # & Calibration Date	**19457-00 (4-25-16)**
LaQuey Environmental Services, Inc. Project #	**1172.01**
Activity / Type & Quantities of ACBM Removed	**Abatement of ACM Wallboard and Window Glazing**
Total On-Site Time / Travel Time	**10.0 hours**

Project Manager Signature

Daily Activities:

5:54 am Rick LaQuey (LESI) arrived at the jobsite.

6:00 am LESI calibrated 3 HV air pumps (12.0 L/M) for clearance samples and 3 LV air pumps for inside/outside and OSHA samples.

6:07 am LESI suited up into PPE, entered the containment, and placed the 3 HV air pumps with clearance sample cassettes inside the containment.

6:13 am LESI turned on the 3 HV air pumps with clearance sample cassettes inside the regulated area, and recorded the time.

LaQuey
Environmental Services, Inc.

DAILY REPORT

Continuation Page 2

Date: 5-2-16 **Project:** 1172.01

Daily Activities:

7:01 am	LESI checked the pumps, criticals, and manometer (-0.025).
7:58 am	LESI collected the 3 HV air pumps with clearance sample cassettes from inside the containment.
8:05 am	LESI prepped the clearance sample slides.
8:22 am	LESI began to read the clearance sample slides with the PCM microscope and record the results.
8:43 am	LESI notified the PEG supervisor that the clearance samples had passed.
8:50 am	LESI place 2 LV air pumps with inside/outside sample cassettes in the work area, turned them on, and recorded the time.
8:52 am	LESI placed 1 LV air pump with OSHA sample cassette on 1 PEG worker, turned it on, and recorded the time. The PEG workers suited up into PPE, entered the containment, and began to remove the windows with ACM glazing.
9:35 am	LESI checked the progress of the abatement. The PEG crew continued to remove the windows with the ACM glazing. LESI checked the pumps, criticals, and manometer (-0.023).
10:37 am	LESI checked the progress of the abatement. All of the windows are removed and the PEG crew is detailing the walls and floors.
10:52 am	LESI collected 1 LV air pump with OSHA sample cassette, turned it off, and recorded the time.
11:06 am	LESI prepped the OSHA sample slide.
11:20 am	LESI collected the 2 LV air pumps with inside/outside sample cassettes, turned them off, and recorded the time.
11:23 am	LESI prepped the inside/outside sample slides.
11:38 am	LESI read the inside/outside and OSHA sample slides with the PCM microscope and recorded the results.
12:15 pm	JJ Lewis (owner's son) arrived at the job-site. LESI walked him around the job-site and answered all of his questions. He was very satisfied with the abatement.
12:39 pm	The PEG crew continued to tear down the containment and load their equipment into their trailer.
1:35 pm	The PEG crew stopped work and left the job-site. LESI stopped work and left the job-site.

LaQuey
Environmental Services, Inc.
1959 CR 144 Kaufman, TX 75142 (C) 972.467.3171, (O) 972.932.8737, (F) 972.932.8738

Client: Barbara Criswell
Project: Empty Building-ACM Wallboard and Window Glazing
Address: 620 N. Goliad St., Rockwall, TX 75087
PPE: HM Respirator, Tyvek

Job #: 1172.01
Lab Job #:
Rotometer #: T41T 194587-00
Microscope ID: LESI-1

Sample Number	Sample Location	Activity	On Flow Rate LPM	Off Flow Rate LPM	Start Time	Stop Time	Total Time Min.	Volume	Fibers/ Field	Fibers/CC
1	BK	Abatement of ACM Wallboard & Flooring	--	--	--	--	--	--	0/100	--
2	BK	"	--	--	--	--	--	--	0/100	--
3	BL-1	"	12.0	12.0	8:35 am	10:20 am	105	1260 L/M	/100	Archived
4	BL-2	"	12.0	12.0	8:35 am	10:20 am	105	1260 L/M	/100	Archived
5	BL-3	"	12.0	12.0	8:35 am	10:20 am	105	1260 L/M	/100	Archived

GENERAL INFORMATION	SAMPLE ACTIVITY		SAMPLE LOCATION		CHAIN OF CUSTODY	
FIELD AREA = 0.00785 sq. mm	BL = Baseline	PR = Prep	IC = Inside Containment	HE = HEPA Exhaust	Collected By:	Date: 4/28/16
LPM=Liters Per Minute	AB = Abatement (include material)	GB = Glovebag	OC = Outside Containment	EX - Building Exterior	Submitted By:	Date:
FILTER AREA = 385 sq. mm	CL = Cleaning	FC = Final Clearance	CR = Decon Clean Room	PS = Personal	Received By:	Date:
OLM = Overloaded Mixed	BK = Blank	BO = Bag Out		STEL = Short Term Exposure Limit	Analyzed By:	Date: 4/28/16

NIOSH 7400 Method - "A" Counting Rules
LOQ=Limit of Quantitation based on 10 fibers/100 fields

Fibers/CC=Fibers Cubic Centimeter based on the following equation for a 25 mm filter cassette:

$$\frac{(\text{fibers/field}) \times (385\text{mm}^2/1\text{ filter}) \times (1\text{ field}/0.00785\text{mm}^2)}{\text{flowrate in liters} \times \text{sample time in minutes} \times (1000\text{cc}/1\text{ liter}}$$

LaQuey
Environmental Services, Inc.
1959 CR 144 Kaufman, TX 75142 (C) 972.467.3171, (O) 972.932.8737, (F) 972.932.8738

Client: Barbara Criswell
Project: Empty Building-ACM Wallboard and Window Glazing
Address: 620 N. Goliad St., Dallas, TX 75087
PPE: HM Respirator, Tyvek

Job #: 1172.01
Lab Job #:
Rotometer #: T41T 194587-00
Microscope ID: LESI-1

Sample Number	Sample Location	Activity	On Flow Rate LPM	Off Flow Rate LPM	Start Time	Stop Time	Total Time Min.	Volume	Fibers/ Field	Fibers/CC
6	BK	Abatement of ACM Wallboard & Flooring	--	--	--	--	--	--	0/100	--
7	BK	"	--	--	--	--	--	--	0/100	--
8	DECON	"	2.5	2.5	9:27 am	2:17 pm	290	725 L/M	6/100	0.004
9	OCA	"	2.5	2.5	9:27 am	2:17 pm	290	725 L/M	10/100	< 0.007
10	ICA	"	2.5	2.5	9:25 am	2:15 pm	290	725 L/M	30/100	0.020
11	HE	"	2.5	2.5	9:23 am	2:13 pm	290	725 L/M	12/100	0.008

GENERAL INFORMATION	SAMPLE ACTIVITY		SAMPLE LOCATION		CHAIN OF CUSTODY	
FIELD AREA = 0.00785 sq. mm	BL = Baseline	PR = Prep	IC = Inside Containment	HE = HEPA Exhaust	Collected By:	Date: 4/29/16
LPM=Liters Per Minute	AB = Abatement (include material)	GB = Glovebag	OC = Outside Containment	EX - Building Exterior	Submitted By:	Date:
FILTER AREA = 385 sq. mm	CL = Cleaning	FC = Final Clearance	CR = Decon Clean Room	PS = Personal	Received By:	Date:
OLM = Overloaded Mixed	BK = Blank	BO = Bag Out		STEL = Short Term Exposure Limit	Analyzed By:	Date: 4/29/16

NIOSH 7400 Method - "A" Counting Rules
LOQ=Limit of Quantitation based on 10 fibers/100 fields

Fibers/CC=Fibers Cubic Centimeter based on the following equation for a 25 mm filter cassette:

$$\frac{(\text{fibers/field}) \times (385\text{mm}^2/1\text{ filter}) \times (1\text{ field}/0.00785\text{mm}^2)}{\text{flowrate in liters} \times \text{sample time in minutes} \times (1000\text{cc}/1\text{ liter}}$$

LaQuey
Environmental Services, Inc.
1959 CR 144 Kaufman, TX 75142 (C) 972.467.3171, (O) 972.932.8737, (F) 972.932.8738

Client: Barbara Criswell
Project: Empty Building-ACM Wallboard and Window Glazing
Address: 620 N. Goliad St., Dallas, TX 75087
PPE: HM Respirator, Tyvek

Job #: 1172.01
Lab Job #:
Rotometer #: T41T 194587-00
Microscope ID: LESI-1

Sample Number	Sample Location	Activity	On Flow Rate LPM	Off Flow Rate LPM	Start Time	Stop Time	Total Time Min.	Volume	Fibers/ Field	Fibers/CC
6	BK	Abatement of ACM Wallboard & Flooring	--	--	--	--	--	--	0/100	--
7	BK	"	--	--	--	--	--	--	0/100	--
12	STEL Melvin Guzman 6451	"	2.5	2.5	9:20 pm	9:50 pm	30	75 L/M	10/100	0.065
13	PEL-1 Melvin Guzman 6451	"	2.5	2.5	9:50 pm	2:50 pm	300	750 L/M	14/100	0.009
14	PEL-2 Alex Flores 7811	"	2.5	2.5	9:20 pm	2:50 pm	330	825 L/M	32.5/100	0.019

GENERAL INFORMATION	SAMPLE ACTIVITY		SAMPLE LOCATION		CHAIN OF CUSTODY	
FIELD AREA = 0.00785 sq. mm	BL = Baseline	PR = Prep	IC = Inside Containment	HE = HEPA Exhaust	Collected By:	Date: 4/29/16
LPM=Liters Per Minute	AB = Abatement (include material)	GB = Glovebag	OC = Outside Containment	EX - Building Exterior	Submitted By:	Date:
FILTER AREA = 385 sq. mm	CL = Cleaning	FC = Final Clearance	CR = Decon Clean Room	PS = Personal	Received By:	Date:
OLM = Overloaded Mixed	BK = Blank	BO = Bag Out		STEL = Short Term Exposure Limit	Analyzed By:	Date: 4/29/16

NIOSH 7400 Method - "A" Counting Rules
LOQ=Limit of Quantitation based on 10 fibers/100 fields

Fibers/CC=Fibers Cubic Centimeter based on the following equation for a 25 mm filter cassette:

$$\frac{(\text{fibers/field}) \times (385\text{mm}^2/1\text{ filter}) \times (1\text{ field}/0.00785\text{mm}^2)}{\text{flowrate in liters} \times \text{sample time in minutes} \times (1000\text{cc}/1\text{ liter})}$$

LaQuey
Environmental Services, Inc.
1959 CR 144 Kaufman, TX 75142 (C) 972.467.3171, (O) 972.932.8737, (F) 972.932.8738

Client: Barbara Criswell
Project: Empty Building-ACM Wallboard and Window Glazing
Address: 620 N. Goliad St., Dallas, TX 75087
PPE: HM Respirator, Tyvek

Job #: 1172.01
Lab Job #:
Rotometer #: T41T 194587-00
Microscope ID: LESI-1

Sample Number	Sample Location	Activity	On Flow Rate LPM	Off Flow Rate LPM	Start Time	Stop Time	Total Time Min.	Volume	Fibers/ Field	Fibers/CC
15	BK	Abatement of ACM Wallboard & Flooring	--	--	--	--	--	--	0/100	--
16	BK	"	--	--	--	--	--	--	0/100	--
17	DECON	"	2.5	2.5	7:14 am	2:14 pm	420	1050 L/M	4/100	< 0.002
18	OCA	"	2.5	2.5	7:14 am	2:14 pm	290	1050 L/M	10/100	< 0.005
19	ICA	"	2.5	2.5	7:13 am	2:13 pm	290	1050 L/M	17/100	< 0.008
20	HE	"	2.5	2.5	7:13 am	2:13 pm	290	1050 L/M	3/100	0.001

GENERAL INFORMATION	SAMPLE ACTIVITY		SAMPLE LOCATION		CHAIN OF CUSTODY	
FIELD AREA = 0.00785 sq. mm	BL = Baseline	PR = Prep	IC = Inside Containment	HE = HEPA Exhaust	Collected By:	Date: 4/30/16
LPM=Liters Per Minute	AB = Abatement (include material)	GB = Glovebag	OC = Outside Containment	EX - Building Exterior	Submitted By:	Date:
FILTER AREA = 385 sq. mm	CL = Cleaning	FC = Final Clearance	CR = Decon Clean Room	PS = Personal	Received By:	Date:
OLM = Overloaded Mixed	BK = Blank	BO = Bag Out		STEL = Short Term Exposure Limit	Analyzed By:	Date: 4/30/16

NIOSH 7400 Method - "A" Counting Rules
LOQ=Limit of Quantitation based on 10 fibers/100 fields

Fibers/CC=Fibers Cubic Centimeter based on the following equation for a 25 mm filter cassette:

$$\frac{(\text{fibers/field}) \times (385\text{mm}^2/1\text{ filter}) \times (1\text{ field}/0.00785\text{mm}^2)}{\text{flowrate in liters} \times \text{sample time in minutes} \times (1000\text{cc}/1\text{ liter}}$$

LaQuey
Environmental Services, Inc.
1959 CR 144 Kaufman, TX 75142 (C) 972.467.3171, (O) 972.932.8737, (F) 972.932.8738

Client: Barbara Criswell
Project: Empty Building-ACM Wallboard and Window Glazing
Address: 620 N. Goliad St., Dallas, TX 75087
PPE: HM Respirator, Tyvek

Job #: 1172.01
Lab Job #:
Rotometer #: T41T 194587-00
Microscope ID: LESI-1

Sample Number	Sample Location	Activity	On Flow Rate LPM	Off Flow Rate LPM	Start Time	Stop Time	Total Time Min.	Volume	Fibers/ Field	Fibers/CC
15	BK	Abatement of ACM Wallboard & Flooring	--	--	--	--	--	--	0/100	--
16	BK	"	--	--	--	--	--	--	0/100	--
21	STEL Ermis Velasquez 7357	"	2.5	2.5	7:30 pm	8:00 pm	30	75 L/M	5/100	< 0.033
22	PEL-1 Ermis Velasquez 7357	"	2.5	2.5	8:00 pm	2:30 pm	390	975 L/M	20/100	0.010

GENERAL INFORMATION	SAMPLE ACTIVITY		SAMPLE LOCATION		CHAIN OF CUSTODY	
FIELD AREA = 0.00785 sq. mm	BL = Baseline	PR = Prep	IC = Inside Containment	HE = HEPA Exhaust	Collected By:	Date: 4/30/16
LPM=Liters Per Minute	AB = Abatement (include material)	GB = Glovebag	OC = Outside Containment	EX - Building Exterior	Submitted By:	Date:
FILTER AREA = 385 sq. mm	CL = Cleaning	FC = Final Clearance	CR = Decon Clean Room	PS = Personal	Received By:	Date:
OLM = Overloaded Mixed	BK = Blank	BO = Bag Out		STEL = Short Term Exposure Limit	Analyzed By:	Date: 4/30/16

NIOSH 7400 Method - "A" Counting Rules
LOQ=Limit of Quantitation based on 10 fibers/100 fields

Fibers/CC=Fibers Cubic Centimeter based on the following equation for a 25 mm filter cassette:

$$\frac{(\text{fibers/field}) \times (385\text{mm}^2/1\text{ filter}) \times (1\text{ field}/0.00785\text{mm}^2)}{\text{flowrate in liters} \times \text{sample time in minutes} \times (1000\text{cc}/1\text{ liter}}$$

LaQuey
Environmental Services, Inc.
1959 CR 144 Kaufman, TX 75142 (C) 972.467.3171, (O) 972.932.8737, (F) 972.932.8738

Client: Barbara Criswell
Project: Empty Building-ACM Wallboard and Window Glazing
Address: 620 N. Goliad St., Dallas, TX 75087
PPE: HM Respirator, Tyvek

Job #: 1172.01
Lab Job #:
Rotometer #: T41T 194587-00
Microscope ID: LESI-1

Sample Number	Sample Location	Activity	On Flow Rate LPM	Off Flow Rate LPM	Start Time	Stop Time	Total Time Min.	Volume	Fibers/ Field	Fibers/CC
23	BK	Abatement of ACM Wallboard & Flooring	--	--	--	--	--	--	0/100	--
24	BK	"	--	--	--	--	--	--	0/100	--
25	DECON	"	2.5	2.5	7:37 am	2:17 pm	400	1000 L/M	4/100	< 0.002
26	OCA	"	2.5	2.5	7:37 am	2:17 pm	400	1000 L/M	6/100	< 0.003
27	ICA	"	2.5	2.5	7:35 am	2:15 pm	400	1000 L/M	16/100	< 0.008
28	HE	"	2.5	2.5	7:35 am	2:15 pm	400	1000 L/M	2/100	< 0.001
32	BO	"	2.5	2.5	7:45 am	9:35 pm	110	275 L/M	2/100	< 0.004

GENERAL INFORMATION	SAMPLE ACTIVITY		SAMPLE LOCATION		CHAIN OF CUSTODY	
FIELD AREA = 0.00785 sq. mm	BL = Baseline	PR = Prep	IC = Inside Containment	HE = HEPA Exhaust	Collected By: RLLaQuey	Date: 5/1/16
LPM=Liters Per Minute	AB = Abatement (include material)	GB = Glovebag	OC = Outside Containment	EX - Building Exterior	Submitted By:	Date:
FILTER AREA = 385 sq. mm	CL = Cleaning	FC = Final Clearance	CR = Decon Clean Room	PS = Personal	Received By:	Date:
OLM = Overloaded Mixed	BK = Blank	BO = Bag Out		STEL = Short Term Exposure Limit	Analyzed By: RLLaQuey	Date: 5/1/16

NIOSH 7400 Method - "A" Counting Rules
LOQ=Limit of Quantitation based on 10 fibers/100 fields

Fibers/CC=Fibers Cubic Centimeter based on the following equation for a 25 mm filter cassette:

$$\frac{(\text{fibers/field}) \times (385\text{mm}^2/1\text{ filter}) \times (1\text{ field}/0.00785\text{mm}^2)}{\text{flowrate in liters} \times \text{sample time in minutes} \times (1000\text{cc}/1\text{ liter}}$$

LaQuey
Environmental Services, Inc.
1959 CR 144 Kaufman, TX 75142 (C) 972.467.3171, (O) 972.932.8737, (F) 972.932.8738

Client: Barbara Criswell
Project: Empty Building-ACM Wallboard and Window Glazing
Address: 620 N. Goliad St., Dallas, TX 75087
PPE: HM Respirator, Tyvek

Job #: 1172.01
Lab Job #:
Rotometer #: T41T 194587-00
Microscope ID: LESI-1

Sample Number	Sample Location	Activity	On Flow Rate LPM	Off Flow Rate LPM	Start Time	Stop Time	Total Time Min.	Volume	Fibers/ Field	Fibers/CC
23	BK	Abatement of ACM Wallboard & Flooring	--	--	--	--	--	--	0/100	--
24	BK	"	--	--	--	--	--	--	0/100	--
29	STEL Antonio Briones 6382	"	2.5	2.5	7:29 pm	7:59 pm	30	75 L/M	12/100	0.078
30	PEL-1 Antonio Briones 6382	"	2.5	2.5	7:59 pm	2:29 pm	390	975 L/M	18.5/100	0.009
31	PEL-2 Alex Flores 7811	"	2.5	2.5	7:29 pm	2:29 pm	420	1050 L/M	16.5/100	< 0.008

GENERAL INFORMATION	SAMPLE ACTIVITY		SAMPLE LOCATION		CHAIN OF CUSTODY	
FIELD AREA = 0.00785 sq. mm	BL = Baseline	PR = Prep	IC = Inside Containment	HE = HEPA Exhaust	Collected By: RLaQuey	Date: 5/1/16
LPM=Liters Per Minute	AB = Abatement (include material)	GB = Glovebag	OC = Outside Containment	EX - Building Exterior	Submitted By:	Date:
FILTER AREA = 385 sq. mm	CL = Cleaning	FC = Final Clearance	CR = Decon Clean Room	PS = Personal	Received By:	Date:
OLM = Overloaded Mixed	BK = Blank	BO = Bag Out		STEL = Short Term Exposure Limit	Analyzed By: RLaQuey	Date: 5/1/16

NIOSH 7400 Method - "A" Counting Rules
LOQ=Limit of Quantitation based on 10 fibers/100 fields

Fibers/CC=Fibers Cubic Centimeter based on the following equation for a 25 mm filter cassette:

$$\frac{(\text{fibers/field}) \times (385\text{mm}^2/1\text{ filter}) \times (1\text{ field}/0.00785\text{mm}^2)}{\text{flowrate in liters} \times \text{sample time in minutes} \times (1000\text{cc}/1\text{ liter}}$$

LaQuey
Environmental Services, Inc.
1959 CR 144 Kaufman, TX 75142 (C) 972.467.3171, (O) 972.932.8737, (F) 972.932.8738

Client: Barbara Criswell
Project: Empty Building-ACM Wallboard and Window Glazing
Address: 620 N. Goliad St., Dallas, TX 75087
PPE: HM Respirator, Tyvek

Job #: 1172.01
Lab Job #:
Rotometer #: T41T 194587-00
Microscope ID: LESI-1

Sample Number	Sample Location	Activity	On Flow Rate LPM	Off Flow Rate LPM	Start Time	Stop Time	Total Time Min.	Volume	Fibers/ Field	Fibers/CC
33	BK	Abatement of ACM Wallboard & Flooring	--	--	--	--	--	--	0/100	--
34	BK	"	--	--	--	--	--	--	0/100	--
35	CL-1	"	12.0	12.0	6:13 am	7:58 am	105	1260 L/M	5/100	< 0.002
36	CL-2	"	12.0	12.0	6:13 pm	7:58 am	390	975 L/M	5.5/100	0.002
37	CL-3	"	12.0	12.0	6:13 am	7:58 am	420	1050 L/M	3.5/100	0.001

GENERAL INFORMATION	SAMPLE ACTIVITY		SAMPLE LOCATION		CHAIN OF CUSTODY	
FIELD AREA = 0.00785 sq. mm	BL = Baseline	PR = Prep	IC = Inside Containment	HE = HEPA Exhaust	Collected By:	Date: 5/2/16
LPM=Liters Per Minute	AB = Abatement (include material)	GB = Glovebag	OC = Outside Containment	EX - Building Exterior	Submitted By:	Date:
FILTER AREA = 385 sq. mm	CL = Cleaning	FC = Final Clearance	CR = Decon Clean Room	PS = Personal	Received By:	Date:
OLM = Overloaded Mixed	BK = Blank	BO = Bag Out		STEL = Short Term Exposure Limit	Analyzed By:	Date: 5/2/16

NIOSH 7400 Method - "A" Counting Rules
LOQ=Limit of Quantitation based on 10 fibers/100 fields

Fibers/CC=Fibers Cubic Centimeter based on the following equation for a 25 mm filter cassette:

$$\frac{(\text{fibers/field}) \times (385\text{mm}^2/1\text{ filter}) \times (1\text{ field}/0.00785\text{mm}^2)}{\text{flowrate in liters} \times \text{sample time in minutes} \times (1000\text{cc}/1\text{ liter}}$$

LaQuey
Environmental Services, Inc.
1959 CR 144 Kaufman, TX 75142 (C) 972.467.3171, (O) 972.932.8737, (F) 972.932.8738

Client: Barbara Criswell
Project: Empty Building-ACM Wallboard and Window Glazing
Address: 620 N. Goliad St., Dallas, TX 75087
PPE: HM Respirator, Tyvek

Job #: 1172.01
Lab Job #:
Rotometer #: T41T 194587-00
Microscope ID: LESI-1

Sample Number	Sample Location	Activity	On Flow Rate LPM	Off Flow Rate LPM	Start Time	Stop Time	Total Time Min.	Volume	Fibers/ Field	Fibers/CC
33	BK	Abatement of ACM Wallboard & Flooring	--	--	--	--	--	--	0/100	--
34	BK	"	--	--	--	--	--	--	0/100	--
38	INSIDE	"	2.5	2.5	8:50 am	11:20 am	150	375 L/M	3/100	< 0.004
39	OUTSIDE	"	2.5	2.5	8:50 am	11:20 pm	150	375 L/M	2/100	< 0.003

GENERAL INFORMATION	SAMPLE ACTIVITY		SAMPLE LOCATION		CHAIN OF CUSTODY	
FIELD AREA = 0.00785 sq. mm	BL = Baseline	PR = Prep	IC = Inside Containment	HE = HEPA Exhaust	Collected By:	Date: 5/2/16
LPM=Liters Per Minute	AB = Abatement (include material)	GB = Glovebag	OC = Outside Containment	EX - Building Exterior	Submitted By:	Date:
FILTER AREA = 385 sq. mm	CL = Cleaning	FC = Final Clearance	CR = Decon Clean Room	PS = Personal	Received By:	Date:
OLM = Overloaded Mixed	BK = Blank	BO = Bag Out		STEL = Short Term Exposure Limit	Analyzed By:	Date: 5/2/16

NIOSH 7400 Method - "A" Counting Rules
LOQ=Limit of Quantitation based on 10 fibers/100 fields

Fibers/CC=Fibers Cubic Centimeter based on the following equation for a 25 mm filter cassette:

$$\frac{(\text{fibers/field}) \times (385\text{mm}^2/1\text{ filter}) \times (1\text{ field}/0.00785\text{mm}^2)}{\text{flowrate in liters} \times \text{sample time in minutes} \times (1000\text{cc}/1\text{ liter}}$$

LaQuey
Environmental Services, Inc.
1959 CR 144 Kaufman, TX 75142 (C) 972.467.3171, (O) 972.932.8737, (F) 972.932.8738

Client: Barbara Criswell
Project: Empty Building-ACM Wallboard and Window Glazing
Address: 620 N. Goliad St., Dallas, TX 75087
PPE: HM Respirator, Tyvek

Job #: 1172.01
Lab Job #:
Rotometer #: T41T 194587-00
Microscope ID: LESI-1

Sample Number	Sample Location	Activity	On Flow Rate LPM	Off Flow Rate LPM	Start Time	Stop Time	Total Time Min.	Volume	Fibers/ Field	Fibers/CC
33	BK	Abatement of ACM Wallboard & Flooring	--	--	--	--	--	--	0/100	--
34	BK	"	--	--	--	--	--	--	0/100	--
40	PEL Ermis Velasquez 7357	"	2.5	2.5	8:52 pm	10:52 pm	120	300 L/M	2/100	0.003

GENERAL INFORMATION	SAMPLE ACTIVITY		SAMPLE LOCATION		CHAIN OF CUSTODY	
FIELD AREA = 0.00785 sq. mm	BL = Baseline	PR = Prep	IC = Inside Containment	HE = HEPA Exhaust	Collected By:	Date: 5/2/16
LPM=Liters Per Minute	AB = Abatement (include material)	GB = Glovebag	OC = Outside Containment	EX - Building Exterior	Submitted By:	Date:
FILTER AREA = 385 sq. mm	CL = Cleaning	FC = Final Clearance	CR = Decon Clean Room	PS = Personal	Received By:	Date:
OLM = Overloaded Mixed	BK = Blank	BO = Bag Out		STEL = Short Term Exposure Limit	Analyzed By:	Date: 5/2/16

NIOSH 7400 Method - "A" Counting Rules
LOQ=Limit of Quantitation based on 10 fibers/100 fields

Fibers/CC=Fibers Cubic Centimeter based on the following equation for a 25 mm filter cassette:

$$\frac{(\text{fibers/field}) \times (385\text{mm}^2/1\text{ filter}) \times (1\text{ field}/0.00785\text{mm}^2)}{\text{flowrate in liters} \times \text{sample time in minutes} \times (1000\text{cc}/1\text{ liter}}$$