Close Out Documents

AP-81 – 4620 Fillmore St.

Asbestos Abatement and Structural Demolition

Prepared for:

Kiewit Infrastructure Co.
Attn: Megan Wood
160 Inverness Drive West. Suite 110
Englewood CO 80112

Contents:

1. Closeout Letter

January 22, 2019

Kiewit Infrastructure Co.
160 Inverness Drive West, Suite 110
Englewood, CO 80112

Re: SSCR AP-81 4620 Fillmore St.

Dear Kiewit Infrastructure Co.

This letter is confirm that all the work associated with the asbestos abatement and demolition of the structure located at 4620 Fillmore St. Denver, CO 80216, also referred as parcel AP-81, is complete.

The scope of work included the removal of Regulated Building Materials (RBMs), asbestos abatement, demolition of a 1,401 square foot residential structure, demolition of a 411 square foot detached garage and the removal of the curb and driveway.

This document has been prepared to furnish you with key documents associated with this project for your records.

On behalf of the JKS Industries team, we would like to extend our appreciation to working with you on this project and look forward to working with you in the future.

Regards,

Jeffrey Knight,
President

2. CDPHE Asbestos Abatement Permit

Colorado Department of Public Health and Environment
Air Pollution Control Division – Indoor Environment Program – Asbestos/IAQ Unit
4300 Cherry Creek Drive South, APCD-IE-B1
Denver, Colorado 80246-1530
Phone: 303-692-3100 – Fax: 303-782-0278
E-mail: asbestos@state.co.us

ASBESTOS ABATEMENT PERMIT

This permit is granted subject to Colorado Air Quality Control Commission Regulation No. 8, Part B, adopted December 21, 2007, and effective January 30, 2008, the Colorado Air Pollution Prevention and Control Act (25-7-101 or 25-7-501 et seq., C.R.S.) and the following provisions. It is only for the purpose of allowing asbestos abatement.

ADDITIONAL PERMIT PROVISIONS:

By performing work under this permit the abatement contractor agrees that the Division may revoke or suspend this permit should the Division find that the contractor:

- has violated or has aided and abetted in the violation of 25-7-101 or 25-7-501 et seq., C.R.S. or Regulation No. 8, Part B, or an order of the Division or Commission,
- has failed to meet any permit and notification requirement or failed to correct any violations cited by the Division during any inspection within a reasonable period of time, as may be determined by the Division,
- has used misrepresentation or fraud in obtaining this permit, or,
- has committed any act or omission which does not meet generally accepted standards of the practice of asbestos abatement.

As a contractor, you may be subject to other licenses and permits, depending on the requirements of the county and municipality in which the work is being performed. The Colorado Department of Public Health and Environment, Air Pollution Control Division strongly suggests that you check with county and municipal authorities in order to determine any other local building/permitting requirements that must be met.

THE ORIGINAL PERMIT MUST BE POSTED ON SITE AT ALL TIMES.

Immediately notify the Asbestos/IAQ Unit of project modifications by fax (number above) or e-mail (address above) and the appropriate county health department by fax. Project modifications include changes in the scope of work or the scheduled work dates, etc.

This asbestos abatement permit is valid beginning 10/23/2018 through 11:59 PM on 10/22/2019.
The actual scheduled work dates are from 11/28/2018 through 12/11/2018.

Approval issued on: 11/5/2018

Record number: 143022

Notice Number: 18DE7238A-17

Variance: None

Comments: None

Fee paid:

Check number:

Project Supervisor:
Andre M. Williams
Cerification No.: 15776

Project AMS:
Logan Greenfield
Cerification No.: 20715

Project Manager:
WAIVED
Certification No.: 15045

For the location specified below:

AP-81 residential
Multiple locations
4620 Filmore St.
Denver
Denver County

This permit has been issued to:

JKS Industries, LLC
747 Sheridan Blvd Unit 9A
Lakewood, CO 80214

Issued by: CA

ASBESTOS ABATEMENT NOTIFICATION and PERMIT APPLICATION FORM

FEE MUST ACCOMPANY THIS FORM. INCOMPLETE APPLICATIONS WILL BE RETURNED.

RECEIVED
OCT 19 2018
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Colorado Department of Public Health and Environment

Single Family Residential Dwelling (SFRD) > 50 LF or 32 SF or a 55-gal. drum, but ≤ 260 LF or 160 SF or a 55-gallon drum			*Public and Commercial Building, School, and Single-Family Residential Dwelling:* > 260 LF or 160 SF or a 55-gallon drum		
[code 200] ☐	$0	Courtesy Notice	[code 100] ☐	$0	Courtesy Notice
[code 205] ☐	$60	Non-Public Access Notice (Opt Out)	[code 105] ☐	$80	Non-Public Access Notice
[code 210] ☐	$60	Notice	[code 110] ☐	$80	Notice
[code 230] ☐	$180	30-Day Permit	[code 130/232] ☐	$400	30-Day P&C/SFRD Permit
[code 290] ☐	$300	90-Day Permit	[code 190/292] ☐	$800	90-Day P&C/SFRD Permit
[code 265] ☐	$420	365-Day Permit	[code 165/267] ☐	$1200	365-Day P&C/SFRD Permit
[code 180/280] ☐	$55	Notice or Permit Transfer	[code 177] ☒	$80	Phase 17 of Multiple Phase Permit #

Submit form to:
Permit Coordinator
Colorado Dept. of Public Health and Environment
APCD-IE-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530
Phone: 303-692-3100
Fax: 303-782-0278
asbestos@state.co.us

Abatement Contractor

Company Name: JKS Industries
Street Address: 747 Sheridan Blvd. Unit 9A
City: Lakewood | State: CO | Zip code: 80214
Telephone #: (303) 238-0207 | Fax #: (303) 238-0452
Project Supervisor: Jason Ross | CO. Cert #: 22215

Abatement Site

Building Name: AP-81 Residential
Specify location in the building where work will take place (e.g. floor, room, wing, etc.): Bedrooms, Kitchen, Hallway,Closet, Living Room Basment and Exterior
Street Address: 4620 Fillmore Street
City: Denver | County: Denver | Zip code: 80216
Building Contact: Doug Messier | Cell Phone #: (817) 320-6749

Building Owner

Owner Name: CDOT
Contact: Athony DaVito
Street Address: 2000 S. Holly St.
City: Denver | State: CO | Zip code: 80222
Telephone #: (303) 512-5900 | Fax #: ( )

Project Personnel

CO Project Mgr. Name: See Project Manaer Waiver form from CDOT
Cell Phone #: ( ) | CO Project Designer #:
CO Project Designer Name: Daniel Benecke
Cell Phone #: (303) 232-2660 | CO Project Designer #: 1947
Consulting Firm Name: All Phase Consulting, Inc. | Registration #: 15979
A.M.S. Name: Logan Greenfield
Cell Phone #: (719) 545-0375 | CO A.M.S. Cert #: 20715

Project Information

Start Date: 11/28/2018 | End Date: 12/11/2018
Start Time: 6:30am AM PM | End Time: AM 5:00 PM
Check the day(s) of operation: Su ☐ M ☒ Tu ☒ W ☒ Th ☒ F ☒ Sa ☒
Emergency? Y☐ N☒
Type of ACM: TSI, Texture, VAT, etc. TDW, Vent Duct Wrap, Wood Panel Mastic and Exterior Traniste Panels

Linear Feet / Type	Square Feet / Type	55 gal. Drums
	3513 total 2530 SF of TDW 200 SF of VAT 175 SF of Wood Panel Mastic 608 SF of Transite Panels	

Disposal Site

Landfill Name: Denver Arapahoe Disposall
Street Address: 3500 South Gun Club Road
City: Aurora | State: CO | Zip code: 80018

CDPHE Use Only

Postmark or Delivery date: 10/19/18 | Approved by:
Form of Payment & # | PM req'd? Y N (W)
Permit # 18DE7238A-17 | Record # 143022 | Date Issued:

Please describe below the work practices and procedures to be employed in conducting the abatement of asbestos. **BE SPECIFIC**. Indicate type(s) of ACBM to be abated (e.g. VAT, ceiling tile, TSI, etc.). Use another page if necessary.

This Phase 17 project will consist in removal and disposal of 2530 SF of TDW, 200 SF of VAT and 175 SF of Wood panel mastic with in a full containmnet. The friable materials will be removed using small hand tools (carpenters hammer, cats claw, crow bar and chisels) the material will be kept wet (1500 psi airless sprayer with amended water) The full containment will employ negative air pressure greater than --0.02cw, a fully functional decon, 1'x1' view port and two chamber waste loadout. All work will be in accordance with Colorado Regulation #8 Part B. The full conatinment will be inspected and cleared by a State Certified AMS.

AP-81 page 1 of 2

3. CDPHE Demolition Permit

Colorado Department of Public Health and Environment
Air Pollution Control Division – Indoor Environment Program – Asbestos/IAQ Air Unit
4300 Cherry Creek Drive South, APCD-IE-B1
Denver, Colorado 80246-1530
Phone: 303-692-3100 – Fax: 303-782-0278
E-mail: asbestos@state.co.us

DEMOLITION APPROVAL NOTICE

This approval notice is granted subject to Colorado Air Quality Control Commission Regulation No. 8, Part B, adopted December 21, 2007, and effective January 30, 2008 and the Colorado Air Pollution Prevention and Control Act C.R.S. (25-7-101 and 25-7-501 et seq). This notice signifies that the structure was inspected for asbestos, luminous exit signs (containing radioactive material), and Ozone-Depleting Refrigerants and the demolition contractor has properly notified the Colorado Department of Public Health and Environment pursuant to Regulation No. 8, Part B.

As a contractor, you may be subject to other demolition licenses and permits, depending on the requirements of the county and municipality in which the work is being performed. The Colorado Department of Public Health and Environment, Air Pollution Control Division, strongly suggests that you check with county and municipal authorities in order to determine any other local building/permitting requirements that must be met.

Please note that certain asbestos-containing materials (ACM) may remain in the structure during demolition. Therefore, any demolition debris left behind after the completion of post-demolition site cleanup may constitute a "reason to know of asbestos-contaminated soil" at the site, subject to the requirements of Section 5.5 of the Solid Waste Regulations (6 CCR 1007-2, Part 1).

THE ORIGINAL APPROVAL NOTICE MUST BE POSTED ON SITE AT ALL TIMES.

Immediately notify the Asbestos/IAQ Unit of project modifications by fax (number above) or e-mail (address above) and the appropriate county health department by fax. Project modifications include changes in the scope of work or the scheduled work dates, etc.

This demolition approval notice is valid beginning 12/11/2018.
The actual scheduled work dates are from 12/11/2018 through 1/31/2019.

Approval issued on: 12/14/2018
Record number: 144229
Notice Number: 18DE8329D
For the location specified below:

AP-81 Residential

4620 Fillmore St.
Denver
Denver County

Fee Paid: $60.00
Check number: 5683

Asbestos Building Inspector:
Logan Greenfield
Cerification No.: 20715

Inspection Date: 12/06/2018

This notice has been issued to:

JKS Industries, Inc.
747 Sheridan Blvd. Unit 9A
Lakewood, CO 80214

Issued by: SM

Colorado Department of Public Health and Environment

DEMOLITION NOTIFICATION APPLICATION FORM

APPLICATION FEE MUST ACCOMPANY THIS FORM
INCOMPLETE APPLICATIONS WILL BE RETURNED
(Notice will be mailed to the demolition contractor unless specified otherwise)

Fee: $50 + $5 per 1000 ft² of area to be demolished = $ 60.00
(See instruction #1 on reverse side)

Submit form to:
Permit Coordinator
Colorado Dept. of Public Health and Environment
APCD-IE-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530
Phone: 303-692-3100
Fax: 303-782-0278
Asbestos@state.co.us

Demolition Contractor

Company Name: JKS Industries
Street: 747 Sheridan Blvd. #9A
City: Lakewood | State: CO | Zip Code: 80214
Telephone #: (303) 238-0207 | Fax #: (303) 238-0452
Project Manager: Jeffrey Knight | Cell Phone #: (720) 402-4410
I certify that the Certified Asbestos Building Inspector has informed me about any remaining asbestos-containing materials in the facility to be demolished.
Signature: [signature] | Print Name: Jeffrey Knight
Landfill Receiving Building Debris: Denver Arapahoe Disposal Site

Demolition Site

Building Name: AP-81 Residential
Square footage of footprint of facility or portion of facility to be demolished: 1,401
Street: 4620 Fillmore St.
City: Denver | County: Denver | Zip Code: 80216
Proposed Start Date: 12/11/2018 | Proposed Completion Date: 1/31/2019
Method/Means of Demolition:
☒ Wrecking ☐ Burning† ☐ Implosion ☐ Moving ☐ Other, specify:
†Burning requires additional authorization – Please call (303) 692-3100 and ask to speak to the Open Burning Permit Coordinator

Asbestos Removal Contractor

General Abatement Contractor (GAC): JKS Industries
CDPHE Asbestos Permit #: 18DE7238A-17 | Total Quantity of Asbestos Removed: 2921 SF
Date Removal Completed: 12-6-18 | Telephone #: (303) 238-0207
Type(s) of Asbestos-Containing Material Removed: 2530 SF TDW, 200 SF VAT, 175 SF Wood Panel Mastic, 16 SF Transite Panels

Building Owner

Owner's Name: CDOT
Street: 2000 S Holly St.
City: Denver | State: CO | Zip Code: 80222
Contact's Name: Anthony DaVito | Telephone #: (303) 512-5900

Certified Asbestos Inspector Certification

With my signature below, I certify that I possess current AHERA accreditation and state of Colorado certification as an Asbestos Building Inspector. I also certify that I have thoroughly inspected the facility to be demolished, as listed in the Demolition Site block above, sampled all suspect materials, had all samples analyzed for the presence of asbestos by a NVLAP-accredited laboratory, and have determined that no Regulated ACM exists anywhere in the facility.* I also certify that I have informed the owner/operator of the facility or the demolition contractor that any asbestos-containing material allowed to stay in the facility must remain non-friable during demolition. Specify type(s) of ACM remaining, below: **(check appropriate box(es))**:

APPROVED
DATE 12/11/18 CDPHE

☐ Vinyl asbestos floor tile (VAT) ☐ VAT mastic ☐ Tar/asphalt impregnated roofing ☐ Asphaltic pipe coatings
☐ Spray-applied tar coatings ☐ Caulking ☐ Glazing ☐ Other, specify:

Signature: **(In Blue Ink)**: [signature] | Printed Name: Logan Greenfield
Date of Final Inspection: 12-6-18 | CO Cert #: 20715 | Expiration Date: Oct. 18, 2019
Telephone #: (719) 545-0375 | Cell Phone #: (719) 250-0036

Building Owner or Contractor

I verify that all refrigerants from air conditioning/refrigeration appliances have been properly recovered in accordance with AQCC Regulation No. 15 (for information on CFC requirements call 692-3100). I further verify that all luminous exit signs (containing radioactive material) have been disposed of in accordance with 6 CCR 1007-1 subpart 3.6.4.3 (for information on luminous exit sign requirements call 303-692-3320).

CHECK THE APPROPRIATE BOX:

☐ Building Owner ☑ Contractor ☐ Other | Date: 12/9/18
Signature: [signature] | Print Name: JEFF KNIGHT

THIS BOX IS FOR CDPHE USE ONLY:

Postmark or Hand Delivery Date: 12/7/18 | Approved By: [signature] | Code: ☑ initial-310 ☐ transfer-380
Form of Payment & #: check #5633 / $60 | Permit #: [illegible] | Record #: 442373 | Date Issued:

RECEIVED DEC 2018 APCD Stationary Sources

* Regulated asbestos-containing materials means (a) friable asbestos-containing material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this regulation. Note: Asbestos-containing sheet vinyl and linoleum must be properly abated/removed prior to demolition.

Colorado Department of Public Health and Environment
Air Pollution Control Division – Indoor Environment Program – Asbestos/IAQ Air Unit
4300 Cherry Creek Drive South, APCD-IE-B1
Denver, Colorado 80246-1530
Phone: 303-692-3100 – Fax: 303-782-0278
E-mail: asbestos@state.co.us

DEMOLITION APPROVAL NOTICE

This approval notice is granted subject to Colorado Air Quality Control Commission Regulation No. 8, Part B, adopted December 21, 2007, and effective January 30, 2008 and the Colorado Air Pollution Prevention and Control Act C.R.S. (25-7-101 and 25-7-501 et seq). This notice signifies that the structure was inspected for asbestos, luminous exit signs (containing radioactive material), and Ozone-Depleting Refrigerants and the demolition contractor has properly notified the Colorado Department of Public Health and Environment pursuant to Regulation No. 8, Part B.

As a contractor, you may be subject to other demolition licenses and permits, depending on the requirements of the county and municipality in which the work is being performed. The Colorado Department of Public Health and Environment, Air Pollution Control Division, strongly suggests that you check with county and municipal authorities in order to determine any other local building/permitting requirements that must be met.

Please note that certain asbestos-containing materials (ACM) may remain in the structure during demolition. Therefore, any demolition debris left behind after the completion of post-demolition site cleanup may constitute a "reason to know of asbestos-contaminated soil" at the site, subject to the requirements of Section 5.5 of the Solid Waste Regulations (6 CCR 1007-2, Part 1).

THE ORIGINAL APPROVAL NOTICE MUST BE POSTED ON SITE AT ALL TIMES.

Immediately notify the Asbestos/IAQ Unit of project modifications by fax (number above) or e-mail (address above) and the appropriate county health department by fax. Project modifications include changes in the scope of work or the scheduled work dates, etc.

This demolition approval notice is valid beginning 12/11/2018.
The actual scheduled work dates are from 12/11/2018 through 1/31/2019.

Approval issued on: 12/14/2018
Record number: 144230
Notice Number: 18DE8330D

Fee Paid: $55.00
Check number: 5683

For the location specified below:

AP-81 Garage

4620 Fillmore St.
Denver
Denver County

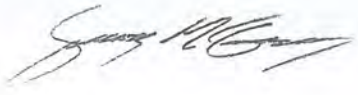
Asbestos Building Inspector:
Logan Greenfield
Cerification No.: 20715

Inspection Date: 12/06/2018

This notice has been issued to:

JKS Industries, Inc.
747 Sheridan Blvd. Unit 9A
Lakewood, CO 80214

Issued by: SM



Colorado Department of Public Health and Environment

DEMOLITION NOTIFICATION APPLICATION FORM

APPLICATION FEE MUST ACCOMPANY THIS FORM
INCOMPLETE APPLICATIONS WILL BE RETURNED
(Notice will be mailed to the demolition contractor unless specified otherwise)

Fee: $50 + $5 per 1000 ft² of area to be demolished = $ 55.00
(See instruction #1 on reverse side)

Submit form to:
Permit Coordinator
Colorado Dept. of Public Health and Environment
APCD-IE-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530
Phone: 303-692-3100
Fax: 303-782-0278
Asbestos@state.co.us

Demolition Contractor

Company Name: JKS Industries
Street: 747 Sheridan Blvd. #9A
City: Lakewood | State: CO | Zip Code: 80214
Telephone #: (303) 238-0207 | Fax #: (303) 238-0452
Project Manager: Jeffrey Knight | Cell Phone #: (720) 402-4410

I certify that the Certified Asbestos Building Inspector has informed me about any remaining asbestos-containing materials in the facility to be demolished.

Signature: [signature] | Print Name: Jeffrey Knight

Landfill Receiving Building Debris: Denver Arapahoe Disposal Site ✓

Demolition Site

Building Name: AP-81 Garage
Square footage of footprint of facility or portion of facility to be demolished: 411
Street: 4620 Fillmore St.
City: Denver | County: Denver | Zip Code: 80216
Proposed Start Date: 12/11/2018 | Proposed Completion Date: 1/31/2019

Method/Means of Demolition:

☒ Wrecking ☐ Burning† ☐ Implosion ☐ Moving ☐ Other, specify:

†Burning requires additional authorization – Please call (303) 692-3100 and ask to speak to the Open Burning Permit Coordinator

Asbestos Removal Contractor

General Abatement Contractor (GAC): JKS Industries
CDPHE Asbestos Permit #: 18DE7238A-17 | Total Quantity of Asbestos Removed: 592 SF
Date Removal Completed: 12-6-18 | Telephone #: (303) 238-0207
Type(s) of Asbestos-Containing Material Removed: 592 SF Transite Panels

Building Owner

Owner's Name: CDOT
Street: 2000 S Holly St.
City: Denver | State: CO | Zip Code: 80222
Contact's Name: Anthony DaVito | Telephone #: (303) 512-5900

Certified Asbestos Inspector Certification

With my signature below, I certify that I possess current AHERA accreditation and state of Colorado certification as an Asbestos Building Inspector. I also certify that I have thoroughly inspected the facility to be demolished, as listed in the Demolition Site block above, sampled all suspect materials, had all samples analyzed for the presence of asbestos by a NVLAP-accredited laboratory, and have determined that no Regulated ACM exists anywhere in the facility.* I also certify that I have informed the owner/operator of the facility or the demolition contractor that any asbestos-containing material allowed to stay in the facility must remain non-friable during demolition. Specify type(s) of ACM remaining, below: **(check appropriate box(es))**:

APPROVED
DATE 12/11/18 CDPHE

☐ Vinyl asbestos floor tile (VAT) ☐ VAT mastic ☐ Tar/asphalt impregnated roofing ☐ Asphaltic pipe coatings
☐ Spray-applied tar coatings ☐ Caulking ☐ Glazing ☐ Other, specify:

Signature: **(In Blue Ink)** [signature] | Printed Name: Logan Greenfield
Date of Final Inspection: 12-6-18 | CO Cert #: 20715 | Expiration Date: Oct. 18, 2019
Telephone #: (719) 545-0375 | Cell Phone #: (719) 250-0036

Building Owner or Contractor

I verify that all refrigerants from air conditioning/refrigeration appliances have been properly recovered in accordance with AQCC Regulation No. 15 (for information on CFC requirements call 692-3100). I further verify that all luminous exit signs (containing radioactive material) have been disposed of in accordance with 6 CCR 1007-1 subpart 3.6.4.3 (for information on luminous exit sign requirements call 303-692-3320).

CHECK THE APPROPRIATE BOX:

☐ Building Owner ☑ Contractor ☐ Other | Date: 12/6/18
Signature: [signature] | Print Name: JEFF WRIGHT

THIS BOX IS FOR CDPHE USE ONLY:

Postmark or Hand Delivery Date: 12/7/18 | Approved By: [signature] | Code: ☑ initial-310 ☐ transfer-380
Form of Payment & #: check# 5693 / $55 | Permit #: 18DE8330D | Record # 14230 | Date Issued:

* Regulated asbestos-containing materials means (a) friable asbestos-containing material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this regulation. Note: Asbestos-containing sheet vinyl and linoleum must be properly abated/removed prior to demolition.

DEC - 7 2018
APCD Stationary Sources

Form: DNA08 Rev. 01/30/08

4. JKS Asbestos Certifications

Colorado Department
of Public Health
and Environment

General Abatement Contractor

This certifies that

JKS Industries, LLC

GAC No.: 18531

has met the certification requirements of 25-7-507, C.R.S. and Air Quality Control Commission Regulation No. 8, Part B, and is hereby authorized to perform asbestos abatement activities in the state of Colorado.

Issued: **July 18, 2018**

Expires: **July 18, 2019**

Authorized APCD Representative

SEAL

5. JKS Workers Asbestos Certifications

entra Medical Centers
y Blvd COLORADO SPRINGS, CO 80916
191 390 1727 Fax (719) 390 9690
Surveillance - Asbestos

INTERNATIONAL

Environmental and Safety Training LLC
720 Billings Street Unit F
Aurora, Colorado 80011
Phone # (720) 859-3134
Fax # (720) 859-0660

CERTIFIES THAT

YADIRA NAHLE

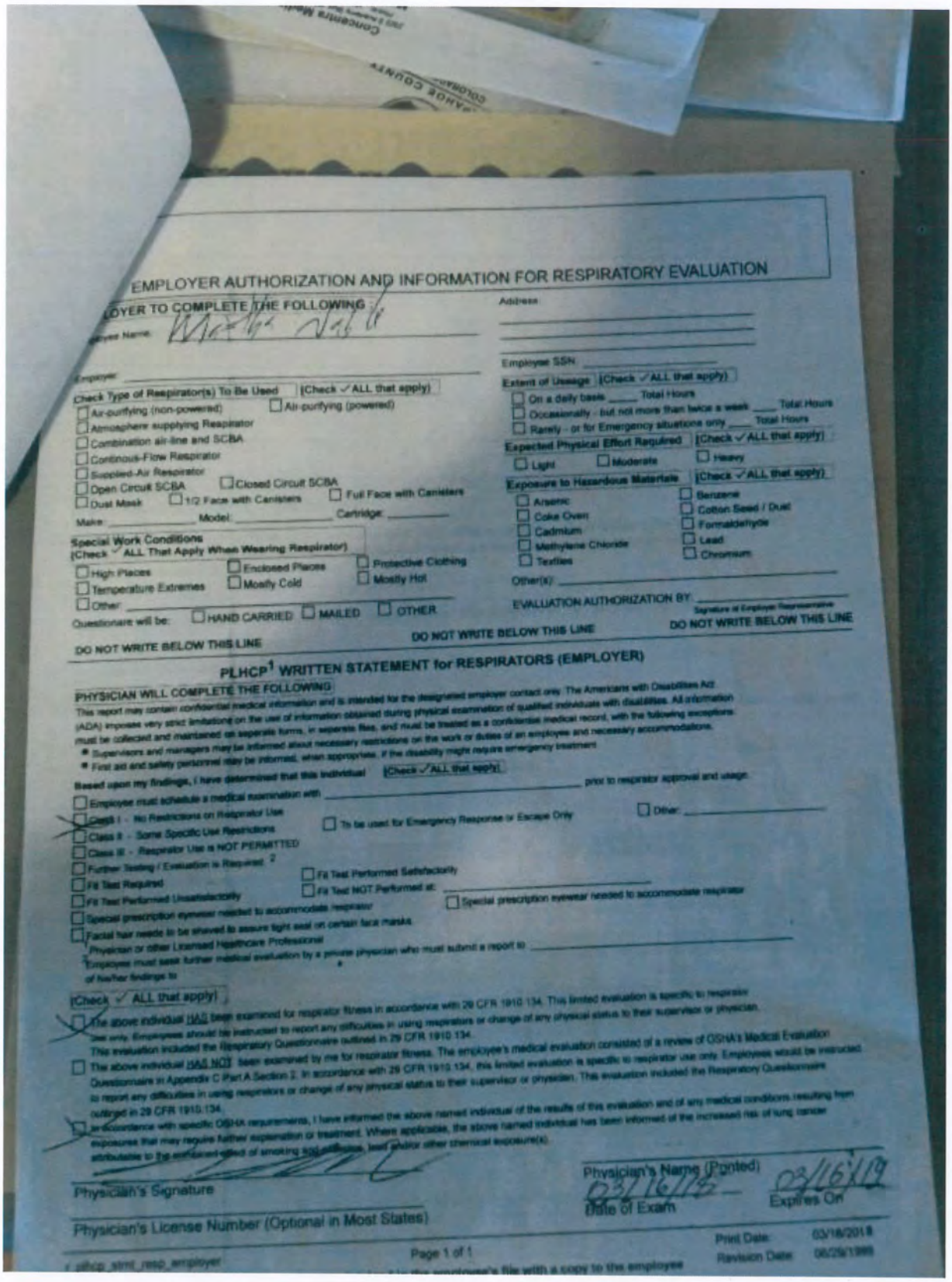
Has successfully completed
The EPA – APPROVED AHERA ANNUAL ASBESTOS REFRESHER
COURSE for **CONTRACTOR/SUPERVISOR**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date	04/07/2018
No. Hours	8
Certificate No.	CO040718-28ASR
Expires	04/07/2019

This course meets the requirements of AQCC Reg. #8 Part B

Training Director



EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLLOWING

Employee Name: Martha Nalle

Address

Employer

Employee SSN

Check Type of Respirator(s) To Be Used (Check ✓ ALL that apply)

- ☐ Air-purifying (non-powered)
- ☐ Air-purifying (powered)
- ☐ Atmosphere supplying Respirator
- ☐ Combination air-line and SCBA
- ☐ Continous-Flow Respirator
- ☐ Supplied-Air Respirator
- ☐ Open Circuit SCBA
- ☐ Closed Circuit SCBA
- ☐ Dust Mask
- ☐ 1/2 Face with Canisters
- ☐ Full Face with Canisters

Make: _____ Model: _____ Cartridge: _____

Special Work Conditions (Check ✓ ALL That Apply When Wearing Respirator)

- ☐ High Places
- ☐ Enclosed Places
- ☐ Protective Clothing
- ☐ Temperature Extremes
- ☐ Mostly Cold
- ☐ Mostly Hot
- ☐ Other: _____

Questionaire will be: ☐ HAND CARRIED ☐ MAILED ☐ OTHER

Extent of Useage (Check ✓ ALL that apply)

- ☐ On a daily basis ____ Total Hours
- ☐ Occasionally - but not more than twice a week ____ Total Hours
- ☐ Rarely - or for Emergency situations only ____ Total Hours

Expected Physical Effort Required (Check ✓ ALL that apply)

- ☐ Light
- ☐ Moderate
- ☐ Heavy

Exposure to Hazardous Materials (Check ✓ ALL that apply)

- ☐ Arsenic
- ☐ Coke Oven
- ☐ Cadmium
- ☐ Methylene Chloride
- ☐ Textiles
- ☐ Benzene
- ☐ Cotton Seed / Dust
- ☐ Formaldehyde
- ☐ Lead
- ☐ Chromium

Other(s): _____

EVALUATION AUTHORIZATION BY: _____ Signature of Employer Representative

DO NOT WRITE BELOW THIS LINE

DO NOT WRITE BELOW THIS LINE

DO NOT WRITE BELOW THIS LINE

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYER)

PHYSICIAN WILL COMPLETE THE FOLLOWING

This report may contain confidential medical information and is intended for the designated employer contact only. The Americans with Disabilities Act (ADA) imposes very strict limitations on the use of information obtained during physical examination of qualified individuals with disabilities. All information must be collected and maintained on seperate forms, in seperate files, and must be treated as a confidential medical record, with the following exceptions:

- Supervisors and managers may be informed about necessary restrictions on the work or duties of an employee and necessary accommodations.
- First aid and safety personnel may be informed, when appropriate, if the disability might require emergency treatment.

Based upon my findings, I have determined that this individual (Check ✓ ALL that apply)

- ☐ Employee must schedule a medical examination with _____ prior to respirator approval and usage.
- ☐ Class I - No Restrictions on Respirator Use
- ☐ Class II - Some Specific Use Restrictions
- ☐ To be used for Emergency Response or Escape Only
- ☐ Other: _____
- ☐ Class III - Respirator Use is NOT PERMITTED
- ☐ Further Testing / Evaluation is Required [2]
- ☐ Fit Test Required
- ☐ Fit Test Performed Satisfactorily
- ☐ Fit Test Performed Unsatisfactorily
- ☐ Fit Test NOT Performed at: _____
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Facial hair needs to be shaved to assure tight seal on certain face masks

[1] Physician or other Licensed Healthcare Professional

[2] Employee must seek further medical evaluation by a private physician who must submit a report to _____ of his/her findings to

(Check ✓ ALL that apply)

- ☐ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees would be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and exposure to asbestos or other chemical exposure(s).

Physician's Signature

Physician's Name (Printed)

Date of Exam: 03/16/18

Expires On: 03/16/19

Physician's License Number (Optional in Most States)

Print Date: 03/16/2018

Revision Date: 06/29/1998

Respirator Fit Test

I, Martha Nahle, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 10-08-18 Fit Test Conductor: Geo Thomas

Respirator Information

1. Manufacturer: North
2. Model: 7700M
3. Size (Circle one): SMALL (MEDIUM) LARGE
4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? (YES) NO

Please initial the following as each test is completed:

MN Breathe normally through the respirator

MN Breathe deeply through the respirator. Be certain that your breaths are deep and regular

MN Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.

MN Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.

MN Do several jumping jacks to ensure that the respirator does not come loose from your face.

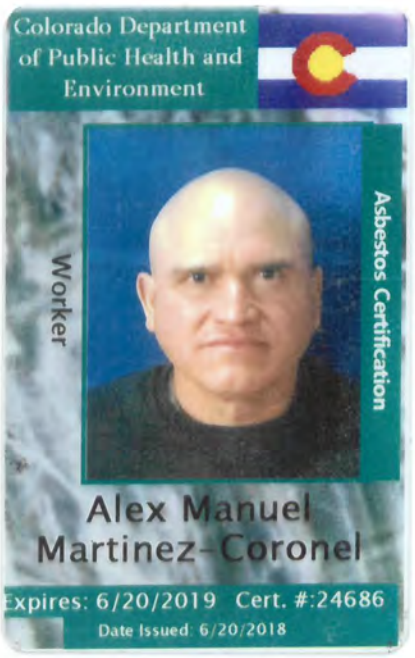
MN Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.

MN Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: Martha Nahle Date: 10-8-18

Fit Test Conductor Signature: [signature] Date: 10-8-18


Colorado Department of Public Health and Environment
Asbestos Certification
Worker
Alex Manuel Martinez-Coronel
Expires: 6/20/2019 Cert. #:24686
Date Issued: 6/20/2018

INTERNATIONAL

Environmental and Safety Training L.LC.
720 Billings Street Unit F
Aurora, Colorado 80011
Phone # (720) 859-3134
Fax # (720) 859-0660

CERTIFIES THAT

ALEX MANUEL MARTINEZ CORONEL

Has successfully completed
The **EPA**– APPROVED **AHERA** ASBESTOS COURSE for **WORKER**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date	06/11/2018 - 06/14/2018
Exam Date	06/14/2018
No. Hours	32
Certificate No	CO061418-**02AWI**
Expires	06/14/2019

This course meets the requirements of AQCC Reg. #8 Part B

INTERNATIONAL ENVIRONMENTAL SAFETY TRAINING

Invalid without raised seal

Training Director

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335

OSHA Asbestos Certification

Applicants Name Alex Martinez

The above individual was seen by me on 6-18-18 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was preformed:

1. ✓ Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
2. ✓ Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
3. ✓ Review of information from previous medical examinations, if available.
4. ✓ A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).
5. ✓ Determined that a chest roentgenogram was ☐ was not ☒ required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(i)(C) it is at the discretion of the physician whether or not a chest X-ray is required)
6. ✓ Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may ☒ may not ☐ use a respiratory device while performing his/her required duties.
7. ✓ The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
8. ✓ In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
9. ✓ In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335

OSHA Asbestos Certification

____ There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

_____ There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations_____

6/18/18

Examining Provider J. Raschbacher, M.D.

Date

J. Raschbacher, M.D.
Midtown Occupational
Health Services, P.C.
2490 W. 26th Ave., Bldg. A, Suite 300
Denver, CO 80211
303-831-9393

Midtown Occupational Health Services

2490 W 26th Ave Bld A Ste 300, Denver, CO 80219

Alex, Martinez **ID: 0506** **Age: 57 (10/10/1960)**

Gender	Male	Height	66 in		Asthma	No
Ethnicity	Hispanic	Weight	156 lb	BMI 25.2	COPD	--
Smoker	No					

FVC (ex only)

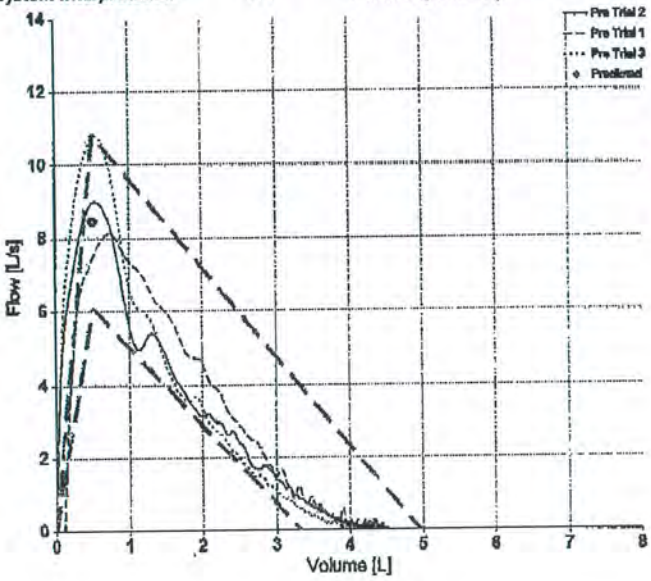
Your FEV1 / Predicted: 105 %

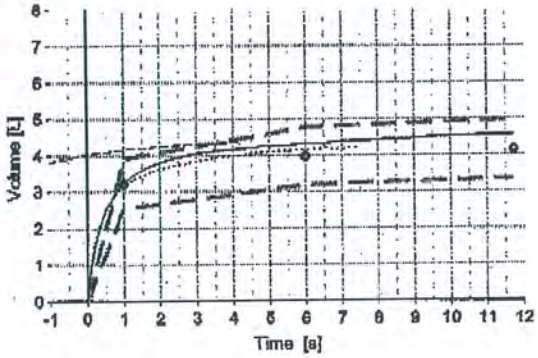
Test Date	6/18/2018 12:15:39 PM	Interpretation	GOLD(2008)/Hardie	Value Selection	Best Value
Post Time		Predicted	Hankinson (NHANES III), 1999	BTPS (IN/EX)	1.09/1.02

Parameter	Pred	LLN	Pre Best	Trial 2	Trial 1	Trial 3	%Pred
FVC [L]	4.15	3.34	4.54	4.54	4.37	4.18	110
FEV1 [L]	3.21	2.52	3.38	3.22	3.38	3.12	105
FEV1/FVC	0.775	0.684	0.744	0.710	0.774	0.747	96
FEF25-75 [L/s]	2.96	1.42	2.14	2.14	2.88	2.32	73
PEF [L/s]	8.45	6.09	10.79	9.01	8.12	10.79	128
FET [s]	-	-	11.7	11.7	6.8	7.3	-

Session Quality: Pre — C (FEV1 Var=0.16L (4.6%); FVC Var=0.18L (3.9%))

System Interpretation: Pre — Normal Spirometry





Respirator Fit Test

I, Alex Martinez Coronell, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 6/21/2018 Fit Test Conductor: Ruben Domingo

Respirator Information

1. Manufacturer: North
2. Model: 7700M
3. Size (Circle one): SMALL (MEDIUM) LARGE
4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? (YES) NO

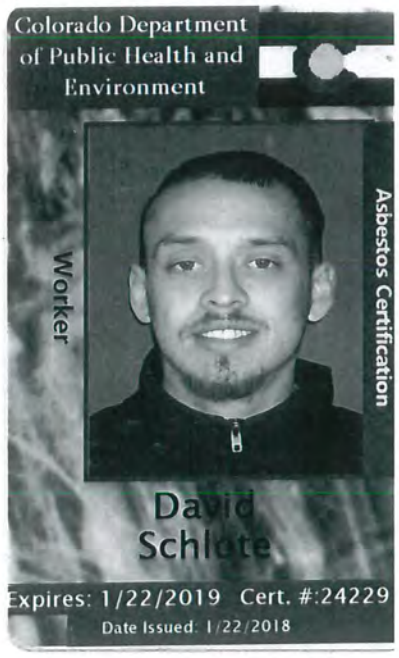
Please initial the following as each test is completed:

- [x] Breathe normally through the respirator
- [x] Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- [x] Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- [x] Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- [x] Do several jumping jacks to ensure that the respirator does not come loose from your face.
- [x] Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- [x] Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: _____ Date: 06/21/18

Fit Test Conductor Signature: _____ Date: 6/21/2018


Colorado Department of Public Health and Environment
Worker
Asbestos Certification
David Schlote
Expires: 1/22/2019 Cert. #:24229
Date Issued: 1/22/2018

INTERNATIONAL

Environmental and Safety Training L.LC.
720 Billings Street Unit F
Aurora, Colorado 80011
Phone # (720) 859-3134
Fax # (720) 859-0660

CERTIFIES THAT

DAVID J. SCHLOTE

Has successfully completed
The **EPA**– APPROVED **AHERA** ASBESTOS COURSE for **WORKER**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date	01/08/2018 - 01/11/2018
No. Hours	32
Certificate No.	CO010818-**06AWI**
Expires	01/11/2019

This course meets the requirements of AQCC Reg. #8

INTERNATIONAL ENVIRONMENTAL SAFETY TRAINING

Invalid without raised seal

Training Director

Midtown Occupational Health Services
2490 W. 26th Ave. Ste. 300-A Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335

OSHA Asbestos Certification

Applicants Name David Schlote

The above individual was seen by me on 2/14/18 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was preformed:

1. ✓ Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101

2. ✓ Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.

3. N/A Review of information from previous medical examinations, if available.

4. ✓ A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).

5. ✓ Determined that a chest roentgenogram was ☒ was not ☐ required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)

6. ✓ Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may ☒ may not ☐ use a respiratory device while performing his/her required duties.

7. ✓ The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.

8. ✓ In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.

9. ✓ In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2490 W. 26th Ave. Ste. 300-A Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335

OSHA Asbestos Certification

✓ There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

_____ There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Matthew Edwards, PA-C
Midtown Occupational
Health Services, P.C.
2490 W. 26th Ave., Bldg. A, Suite 300
Denver, CO 80211
303-831-9393

Comments/ Limitations CXR B read pa

Examining Provider

2/14/18
Date

Respirator Fit Test

I, David Schlote, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 05/07/2018 Fit Test Conductor: Ruben Ramos

Respirator Information

1. Manufacturer: North
2. Model: 7700M
3. Size (Circle one): SMALL (MEDIUM) LARGE
4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? (YES) NO

Please initial the following as each test is completed:

- [x] Breathe normally through the respirator
- [x] Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- [x] Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- [x] Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- [x] Do several jumping jacks to ensure that the respirator does not come loose from your face.
- [x] Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- [x] Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: David Schlote Date: 05-07-18

Fit Test Conductor Signature: [signature] Date: 05/07/2018


Colorado Department of Public Health and Environment
Asbestos Certification
Worker
Deisy Arellanos Lopez
Expires: 4/30/2019 Cert. #:24492
Date Issued: 4/30/2018

INTERNATIONAL

Environmental and Safety Training L.LC.
720 Billings Street Unit F
Aurora, Colorado 80011
Phone # (720) 859-3134
Fax # (720) 859-0660

CERTIFIES THAT

DEISY YANETH ARELLANOS LOPEZ

Has successfully completed
The **EPA**– APPROVED **AHERA** ASBESTOS COURSE for **WORKER**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date	04/16/2018 - 04/19/2018
Exam Date	04/19/2018
No. Hours	32
Certificate No	CO041918-**07AWI**
Expires	04/19/2019

This course meets the requirements of AQCC Reg. #8 Part B

INTERNATIONAL ENVIRONMENTAL SAFETY TRAINING

Invalid without raised seal

Training Director

Colorado Occupational Medical Partners

OSHA ASBESTOS / HAZARDOUS MATERIALS / RESPIRATOR CERTIFICATION

In accordance with OSHA regulations:

_____ 29 CFR 1926.1101 Asbestos
_____ 29 CFR 1910.120(f) Hazardous Materials
_____ 29 CFR 1910.134(b) Respirator Certification

The examining physician will provide the employer with a written opinion which shall contain the following:

1. This is to certify that on this date: 5/3/18, and in accordance with regulations as indicate above, I have performed a comprehensive examination on Deisy Arellanos, whose Social Security Number is _____

2. Based on my findings, I have determined that this individual
(✓) MAY ( ) MAY NOT wear a respirator device while performing his / her required work tasks, and
(✓) IS ( ) IS NOT medically cleared for work with ( ) ASBESTOS
( ) HAZARDOUS MATERIALS

3. The results of my examination ( ) HAVE (✓) HAVE NOT detected a medical condition which would place the employee at increased risk of material health impairment from exposure to
(✓) RESPIRATORY EQUIPMENT ( ) ASBESTOS ( ) HAZARDOUS MATERIALS

4. In accordance with OSHA requirements, I have informed the above-named patient of medical conditions which could result from his / her exposure to
( ) RESPIRATORY EQUIPMENT ( ) ASBESTOS ( ) HAZARDOUS MATERIALS

5. In accordance with OSHA requirement, I have fully explained the results of the medical examination and laboratory tests to the above-named patient.

6. COMMENTS: _____

THE EMPLOYEE HAS BEEN ADVISED OF THE RESULT OF THE EVALUATION AND HAS BEEN GIVEN AN EXPLANATION OF MEDICAL CONDITIONS THAT MAY RESULT FROM ASBESTOS EXPOSURE, AND OF THE INCREASED RISK OF LUNG CANCER ATTRIBUTABLE TO THE COMBINED EFFECT OF SMOKING AND ASBESTOS EXPOSURE

The complete medical examination on the above-named individual will be forwarded to the employer pending final review and interpretation of any additional medical data collected.

5/3/18
Date

Examining Physician / Provider

Respirator Fit Test

I, Deisy Yaneth Arellanos López acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 5/14/2018 Fit Test Conductor: Ruben Dario

Respirator Information

1. Manufacturer: North
2. Model: 7700M
3. Size (Circle one): (SMALL) MEDIUM LARGE
4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? (YES) NO

Please initial the following as each test is completed:

[DY] Breathe normally through the respirator

[DY] Breathe deeply through the respirator. Be certain that your breaths are deep and regular

[DY] Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.

[DY] Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.

[DY] Do several jumping jacks to ensure that the respirator does not come loose from your face.

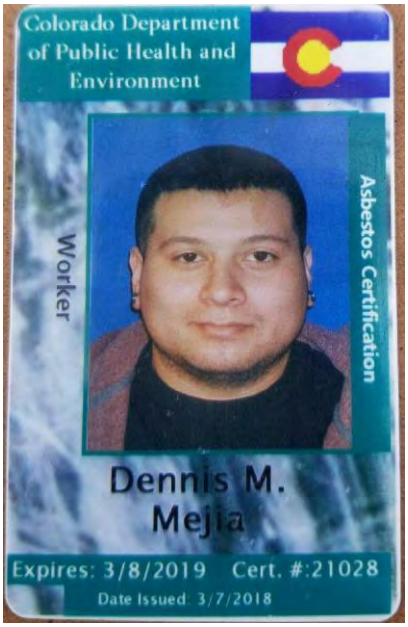
[DY] Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.

[DY] Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: [signature] Date: 5/14/2018

Fit Test Conductor Signature: [signature] Date: 5/14/2018


Colorado Department of Public Health and Environment
Asbestos Certification
Worker
Dennis M. Mejia
Expires: 3/8/2019 Cert. #:21028
Date Issued: 3/7/2018

INTERNATIONAL

Environmental and Safety Training L.LC.
720 Billings Street Unit F
Aurora, Colorado 80011
Phone # (720) 859-3134
Fax # (720) 859-0660

CERTIFIES THAT

DENNIS MICHAEL MEJIA

Has successfully completed
The **EPA**– APPROVED **AHERA** ANNUAL ASBESTOS REFRESHER COURSE for **WORKER**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date	02/17/2018
No. Hours	8
Certificate No.	CO021718-**02AWR**
Expires	02/17/2019

This course meets the requirements of AQCC Reg. #8

Invalid without raised seal

Training Director

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335

OSHA Asbestos Certification

Applicants Name Dennis Mejia

The above individual was seen by me on 2/1/18 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was preformed:

1. ✓ Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101

2. ✓ Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.

3. n/a Review of information from previous medical examinations, if available.

4. ✓ A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).

5. ✓ Determined that a chest roentgenogram was ☒ was not ☐ required as part of this examination. (note according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)

6. ✓ Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may ☒ may not ☐ use a respiratory device while performing his/her required duties.

7. ✓ The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.

8. ✓ In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.

9. ✓ In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335

OSHA Asbestos Certification

✓ There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

_____ There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations [illegible] - results pending
No restrictions

[illegible]
Examining Provider

3/2/18
Date

Matthew Edwards, PA.-C
Midtown Occupational
Health Services, P.C.
2490 W. 26th Ave., Bldg. A, Suite 300
Denver, CO 80211
303-831-9393

Respirator Fit Test

I, Dennis Mejia, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 05-10-2018 Fit Test Conductor: Ruben

Respirator Information

1. Manufacturer: North
2. Model: 7700M
3. Size (Circle one): SMALL (MEDIUM) LARGE
4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? (YES) NO

Please initial the following as each test is completed:

RM Breathe normally through the respirator

DM Breathe deeply through the respirator. Be certain that your breaths are deep and regular

DM Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.

DM Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.

DM Do several jumping jacks to ensure that the respirator does not come loose from your face.

DM Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.

DM Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: Dennis Mejia Date: 05-10-2018

Fit Test Conductor Signature: Ruben Arroyo Date: 5/10/2018


Colorado Department of Public Health and Environment
Worker
Asbestos Certification
Eutiquio Dominguez-Batista
Expires: 11/20/2019 Cert. #:25135
Date Issued 11/20/2018

INTERNATIONAL

Environmental and Safety Training L.LC.
720 Billings Street Unit F
Aurora, Colorado 80011
Phone # (720) 859-3134
Fax # (720) 859-0660

CERTIFIES THAT

EUTIQUIO DOMINGUEZ BATISTA

Has successfully completed
The **EPA**– APPROVED **AHERA** ASBESTOS COURSE for **WORKER**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date	11/12/2018 - 11/15/2018
Exam Date	11/15/2018
No. Hours	32
Certificate No	CO111518-**03AWI**
Expires	11/15/2019

This course meets the requirements of AQCC Reg. #8 Part B

Invalid without raised seal

Training Director

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335

OSHA Asbestos Certification

Applicants Name Eutiquio Dominguez

The above individual was seen by me on 11-19-18 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was preformed:

1. ✓ Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101

2. ✓ Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.

3. ✓ Review of information from previous medical examinations, if available.

4. ✓ A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).

5. ✓ Determined that a chest roentgenogram was ☑ was not ☐ required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)

6. ✓ Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may ☑ may not ☐ use a respiratory device while performing his/her required duties.

FAXED
NOV 19 2018

7. ✓ The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.

8. ✓ In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.

9. ✓ In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335

OSHA Asbestos Certification

✓ There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

_____ There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations CXR c – B- Read - Result pending

Examining Provider

11-19-18
Date

Lawrence Cedillo

Lawrence Cedillo D.O.
Midtown Occupational
Health Services, P.C.
2490 W. 26th Ave., Bldg. A, Suite 300
Denver, CO 80211
303-831-9393

NOHS ASBESTOS CERTIFICATION

FAXED
NOV 19 2018

Respirator Fit Test

I, Eutiquio Domingcaz, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 11/26/2018 Fit Test Conductor: Eutiquio Domingcaz

Respirator Information

1. Manufacturer: North
2. Model: 7700M
3. Size (Circle one): SMALL MEDIUM LARGE
4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- [x] Breathe normally through the respirator
- [x] Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- [x] Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- [x] Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- [x] Do several jumping jacks to ensure that the respirator does not come loose from your face.
- [x] Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- [x] Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: Eutiquio Domingcaz Date: 11/26/2018

Fit Test Conductor Signature: Eutiquio Domingcaz Date: 11/26/2018


Colorado Department of Public Health and Environment
Asbestos Certification
Worker
Irina Blanco Bello
Expires: 11/20/2019 Cert. #:25136
Date Issued: 11/20/2018

INTERNATIONAL

Environmental and Safety Training L.LC.
720 Billings Street Unit F
Aurora, Colorado 80011
Phone # (720) 859-3134
Fax # (720) 859-0660

CERTIFIES THAT

IRINA BLANCO BELLO

Has successfully completed
The **EPA**– APPROVED **AHERA** ASBESTOS COURSE for **WORKER**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date	11/12/2018 - 11/15/2018
Exam Date	11/15/2018
No. Hours	32
Certificate No	CO111518-**04AWI**
Expires	11/15/2019

This course meets the requirements of AQCC Reg. #8 Part B

Invalid without raised seal

Training Director

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335

OSHA Asbestos Certification

Applicants Name Irina Blanco

The above individual was seen by me on 11-19-18 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was preformed:

1. ✓ Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101

2. ✓ Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.

3. ✓ Review of information from previous medical examinations, if available.

4. ✓ A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).

5. ✓ Determined that a chest roentgenogram was ☑ was not ☑ required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)

6. ✓ Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may ☐ may not ☐ use a respiratory device while performing his/her required duties.

7. ✓ The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.

8. ✓ In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.

9. ✓ In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335

OSHA Asbestos Certification

✓ There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

_____ There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations CXR c - B Read Results pending

Lawrence Cedillo DO 11-19-18

Examining Provider Date

NIOHS ASBESTOS CERTIFICATION

Lawrence Cedillo D.O.
Midtown Occupational
Health Services, P.C.
2490 W. 26th Ave., Bldg. A, Suite 300
Denver, CO 80211
303-831-9393

Respirator Fit Test

I, Irina Blanco, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 11/26/2013 Fit Test Conductor: Juben Domingo

Respirator Information

1. Manufacturer: North
2. Model: 7700M
3. Size (Circle one): SMALL (MEDIUM) LARGE
4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? (YES) NO

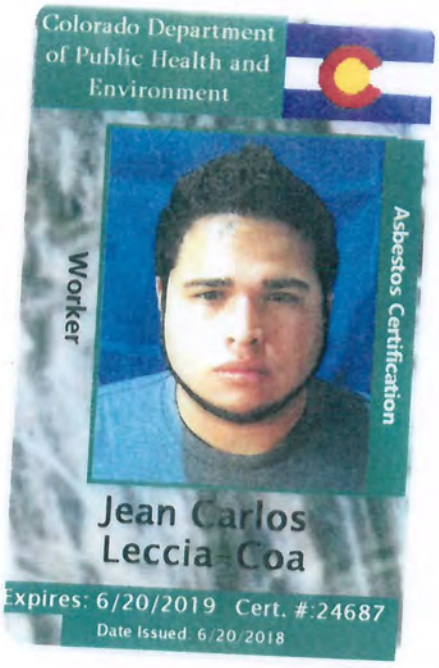
Please initial the following as each test is completed:

- [x] Breathe normally through the respirator
- [x] Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- [x] Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- [x] Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- [x] Do several jumping jacks to ensure that the respirator does not come loose from your face.
- [x] Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- [x] Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: Irina Blanco Date: 11-26-2013

Fit Test Conductor Signature: Juben Domingo Date: 11/26/2013


Colorado Department of Public Health and Environment
Asbestos Certification
Worker
Jean Carlos Leccia-Coa
Expires: 6/20/2019 Cert. #:24687
Date Issued: 6/20/2018

INTERNATIONAL

Environmental and Safety Training L.LC.
720 Billings Street Unit F
Aurora, Colorado 80011
Phone # (720) 859-3134
Fax # (720) 859-0660

CERTIFIES THAT

JEAN CARLOS LECCIA COA

Has successfully completed
The **EPA**– APPROVED **AHERA** ASBESTOS COURSE for **WORKER**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date	06/11/2018 - 06/14/2018
Exam Date	06/14/2018
No. Hours	32
Certificate No	CO061418-**07AWI**
Expires	06/14/2019

This course meets the requirements of AQCC Reg. #8 Part B

INTERNATIONAL ENVIRONMENTAL SAFETY TRAINING

Invalid without raised seal

Training Director

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335

OSHA Asbestos Certification

Applicants Name Jean Carlos Leccia

The above individual was seen by me on 6-18-18 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was preformed:

1. ✓ Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101

2. ✓ Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.

3. ✓ Review of information from previous medical examinations, if available.

4. ✓ A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).

5. ✓ Determined that a chest roentgenogram was ☐ was not ☒ required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)

6. ✓ Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may ☒ may not ☐ use a respiratory device while performing his/her required duties.

7. ✓ The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.

8. ✓ In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.

9. ✓ In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335

OSHA Asbestos Certification

✓ There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos. and there are no recommended

Comments/ Limitations____

[illegible] 6/18/18

Examining Provider Date

J. Raschbacher, M.D.

J. Raschbacher, M.D.
Midtown Occupational
Health Services, P.C.
2490 W. 26th Ave., Bldg. A, Suite 300
Denver, CO 80211
303-831-9393

Midtown Occupational Health Services
2490 W 26th Avenue
Building A, Suite 300
Denver, CO 80211

Leccia Coa, Jean Carlos — ID: 1993 — Age: 25 (5/12/1993)

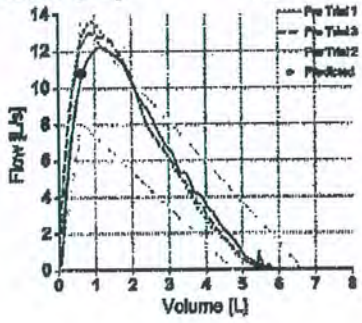
Gender	Male	Height	71 in			Asthma	No
Ethnicity	Hispanic	Weight	274 lb	BMI	38.2	COPD	--
Smoker	No						

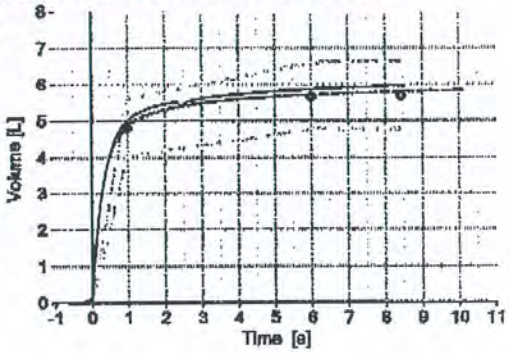
FVC (ex only) — Your FEV1 / Predicted: 104%

Test Date	6/18/2018 11:44:10 AM	Interpretation	--	Value Selection	Best Value
Post Time		Predicted	Hankinson (NHANES III), 1999	BTPS (IN/EX)	1.11/1.02

Parameter	Pred	LLN	Pre Best	Trial 1	Trial 3	Trial 2	%Pred
FVC [L]	5.70	4.76	5.95	5.95	5.82	5.82	104
FEV1 [L]	4.81	4.02	5.01	5.01	4.86	4.81	104
FEV1/FVC [%]	84.5	75.4	84.1	84.1	83.4	82.6	100
FEF25-75 [L/s]	5.20	3.43	5.62	5.62	5.32	5.05	108
PEF [L/s]	10.82	8.09	13.62	12.23	12.95	13.62	126
FET [s]	-	-	8.4	8.4	10.2	10.1	-

Session Quality — Pre — C (FEV1 Var=0.15L (3.0%); FVC Var=0.13L (2.2%))





Respirator Fit Test

I, Juan Carlos Loccia Goa, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 6/21/2018 Fit Test Conductor: Ruben Dario

Respirator Information

1. Manufacturer: North
2. Model: 7700M
3. Size (Circle one): SMALL MEDIUM (LARGE)
4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? (YES) NO

Please initial the following as each test is completed:

- [x] Breathe normally through the respirator
- [x] Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- [x] Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- [x] Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- [x] Do several jumping jacks to ensure that the respirator does not come loose from your face.
- [x] Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- [x] Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: _____ Date: _____

Fit Test Conductor Signature: _____ Date: 6/21/2018


Colorado Department of Public Health and Environment
Asbestos Certification
Worker
Lucia
Gaspar-Domingo
Expires: 6/13/2019 Cert. #:24651
Date Issued 6/13/2018

INTERNATIONAL

Environmental and Safety Training L.LC.
720 Billings Street Unit F
Aurora, Colorado 80011
Phone # (720) 859-3134
Fax # (720) 859-0660

CERTIFIES THAT

LUCIA GASPAR DOMINGO

Has successfully completed
The **EPA**– APPROVED **AHERA** ASBESTOS COURSE for **WORKER**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date	06/04/2018 - 06/07/2018
Exam Date	06/07/2018
No. Hours	32
Certificate No	CO060718-**18AWI**
Expires	06/07/2019

This course meets the requirements of AQCC Reg. #8 Part B

Invalid without raised sea!

Training Director

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335

OSHA Asbestos Certification

Applicants Name Lucia Gaspar

The above individual was seen by me on 6-28-18 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was preformed:

1. ✓ Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101

2. ✓ Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.

3. N/A Review of information from previous medical examinations, if available.

4. ✓ A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).

5. ✓ Determined that a chest roentgenogram was ☑ was not ☐ required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)

6. ✓ Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may ☑ may not ☐ use a respiratory device while performing his/her required duties.

FAXED
JUN 28 2018

7. ✓ The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.

8. ✓ In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.

9. ✓ In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335

OSHA Asbestos Certification

✓ There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

_____ There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations _____

Matthew Edwards, PA-C
Midtown Occupational
Health Services, P.C.
2490 W. 26th Ave., Bldg. A, Suite 900
Denver, CO 80211
303-831-9393

Examining Provider

06-28-2018
Date

FAXED
JUN 28 2018

Respirator Fit Test

I, Lucia Gaspar Domingo, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 7-10-18 Fit Test Conductor: Matthew C. Oliver

Respirator Information

1. Manufacturer: North
2. Model: 7700M
3. Size (Circle one): SMALL MEDIUM LARGE
4. Approval Number: ~~TC-84A-0592~~

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- [x] Breathe normally through the respirator
- [x] Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- [x] Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- [x] Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- [x] Do several jumping jacks to ensure that the respirator does not come loose from your face.
- [x] Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- [x] Read the Rainbow Passage

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Employee Signature: Lucia Gaspar-Domingo Date: 7/10/18

Fit Test Conductor Signature: Matthew Oliver Date: 7/10/18

Colorado Department of Public Health and Environment

Asbestos Certification

Worker

Ramira
Duran

Expires: 10/23/2019 Cert. #:25056

Date Issued: 10/23/2018

INTERNATIONAL

Environmental and Safety Training L.LC.
720 Billings Street Unit F
Aurora, Colorado 80011
Phone # (720) 859-3134
Fax # (720) 859-0660

CERTIFIES THAT

RAMIRA DEL VALLE DURAN MARQUINA

Has successfully completed
The **EPA**– APPROVED **AHERA** ASBESTOS COURSE for **WORKER**
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date	10/15/2018 - 10/18/2018
Exam Date	10/18/2018
No. Hours	32
Certificate No	CO101818-**07AWI**
Expires	10/18/2019

This course meets the requirements of AQCC Reg. #8 Part B

INTERNATIONAL ENVIRONMENTAL SAFETY TRAINING

Invalid without raised seal

Training Director

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335

OSHA Asbestos Certification

Applicants Name Ramira Duran

The above individual was seen by me on 10-19-18 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was preformed:

1. X Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101

2. X Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.

3. _____ Review of information from previous medical examinations, if available.

4. X A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1).

5. X Determined that a chest roentgenogram was ☒ was not ☐ required as part of this examination. (note: according to CFR 1926.1101 (M)(2)(ii)(C) it is at the discretion of the physician whether or not a chest X-ray is required)

6. X Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may ☐ may not ☐ use a respiratory device while performing his/her required duties.

7. X The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.

8. X In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.

9. _____ In accordance with OSHA I have informed this individual of the health risks involved with smoking, of the synergistic relationship between cigarette smoking and asbestos exposure in producing lung cancer, and that cessation of smoking will reduce the risk of lung cancer.

Midtown Occupational Health Services
2420 W. 26th Ave. Ste. 200-D Denver, CO 80211
Phone: (303) 831-9393 Fax: (303) 831-6335

OSHA Asbestos Certification

X There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

_____ There is a detected medical condition(s) which places this employee at an increased risk. See comments below for limitations:

Comments/ Limitations_____

Examining Provider

10/19/18
Date

Kirk Holmboe, D.O.
Midtown Occupational
Health Services, P.C.
2490 W. 26th Ave., Bldg. A, Suite 300
Denver, CO 80211
303-831-9393

Respirator Fit Test

I, Raquisa Duran, acknowledge that I have been fit tested and trained for the proper use and care of my respirator. I have read and understand JKS's written respiratory program manual.

Date of Fit Test: 10/24/2018 Fit Test Conductor: [signature]

Respirator Information

1. Manufacturer: North
2. Model: 7700M
3. Size (Circle one): SMALL MEDIUM LARGE
4. Approval Number: TC-84A-0592

Irritant smoke used (Circle one)? YES NO

Please initial the following as each test is completed:

- [x] Breathe normally through the respirator
- [x] Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- [x] Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement is complete. Inhale on each side.
- [x] Nod your head up and down to the fullest extent about every second without bumping the respirator on your chest. Ensure that your movement is complete and can be completed quickly. Inhale when you are facing up.
- [x] Do several jumping jacks to ensure that the respirator does not come loose from your face.
- [x] Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.
- [x] Read the Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach his friends say he is looking for the pot of gold at the end of the rainbow.

Employee Signature: Raquisa Duran Date: 10/24/18

Fit Test Conductor Signature: [signature] Date: 10/24/2018


Colorado Department of
Public Health and
Environment
Worker
Asbestos Certification
LeRoy J
Armijo
Expires: 4/2/2019
Cert. #:24446
Date Issued: 9/13/2018

INTERNATIONAL

Environmental and Safety Training LLC
720 Billings Street Unit F
Aurora, Colorado 80011
Phone # (720) 859-3134
Fax # (720) 859-0660

CERTIFIES THAT

LEROY J. ARMIJO

Has successfully completed
The **EPA**– APPROVED **AHERA** ASBESTOS COURSE for
CONTRACTOR/SUPERVISOR
And passed the requirements examination in that discipline

This course is **EPA-Approved** under Section 206 of the
Toxic Substance Control Act (TSCA)

Course Date	03/05/2018 - 03/09/2018
Exam Date	03/09/2018
No. Hours	40
Certificate No.	CO030918-**15ACSI**
Expires	03/09/2019

This course meets the requirements of AQCC Reg. #8 Part B

Invalid without raised seal

Training Director

Concentra Medical Centers
15235 E 38th Ave AURORA, CO 80011
Phone: (303) 340-3053 Fax: (303) 340-3862

Service Date: 04/11/2018

Medical Surveillance - Asbestos

Patient:	Armijo, LeRoy J.	**Job Title:**	
SSN:	XXX-XX-2828	**Employer:**	International Environmental & Sa
DOB:	08/21/1973	**Address:**	720 Billings St Ste F
Gender:	M		
Marital Status:	S		Aurora, CO 800116753
		Job Contact:	Horacio Cuevas
Address:	754Lipan St	**Role:**	Primary Contact
	Apt.A	**Phone:**	(720) 859-3134 **Ext.:**
	DENVER, CO 80204	**Fax:**	(720) 859-0660
Home Phone:	(303) 393-4084		
Work Phone:	**Ext.:**	**Race:**	ASIAN BLACK HISPANIC INDIAN WHITE OTHER

The above individual was seen on 04/11/2018 in accordance with: ____29 CFR 1926.1101.
____40 CFR 763.121.

The following was performed:

- [x] Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101.
- [ ] Review of the employer's description of: this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, and personal protection equipment to be utilized by the employee.
- [ ] Review of information from previous medical examinations if available.
- [x] A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.
- [x] A pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.
- [x] A chest roentgenogram, posterior-anterior, 14x17 inches (or current film on file) with interpretation in accordance with 29 CFR 1926.1101. (M)(2)(ii)(C).
- [ ] NOTE: According to 29 CFR 1926.1101 (M)(2)(ii)(C), it is up to the discretion of the physician whether or not a chest X-ray is required.
- [x] The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that there are no detected medical conditions that would place the employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations (if any): _____

Provider Signature

4/11/2018
Date

Respirator Fit Test

This certifies that LeRoy J Armijo has been made aware of the hazards involved in working with asbestos and has received training in and understands the care and use of the following respirator(s) to be used on the job.

Negative Pressure Respirator (North) ½ face	Size S M (L)	☐ Yes	☐ No
NPR (North) full face	Size S M (L)	☐ Yes	☐ No
Powered Air Purifying Respirator (Racal)	Size S M L	☐ Yes	☐ No
PAPR (3M)	Size S M L	☐ Yes	☐ No
PAPR (_____)	Size S M L	☐ Yes	☐ No
Type C, Supply Air Respirator	Size S M L	☐ Yes	☐ No

I have been fitted with the correct size and model of respirator that I will be using in the performance of my duties.

A respirator fit test has been performed and I have satisfactory passed the irritant smoke test.

(Yes) No

LeRoy Armijo
Employee Signature

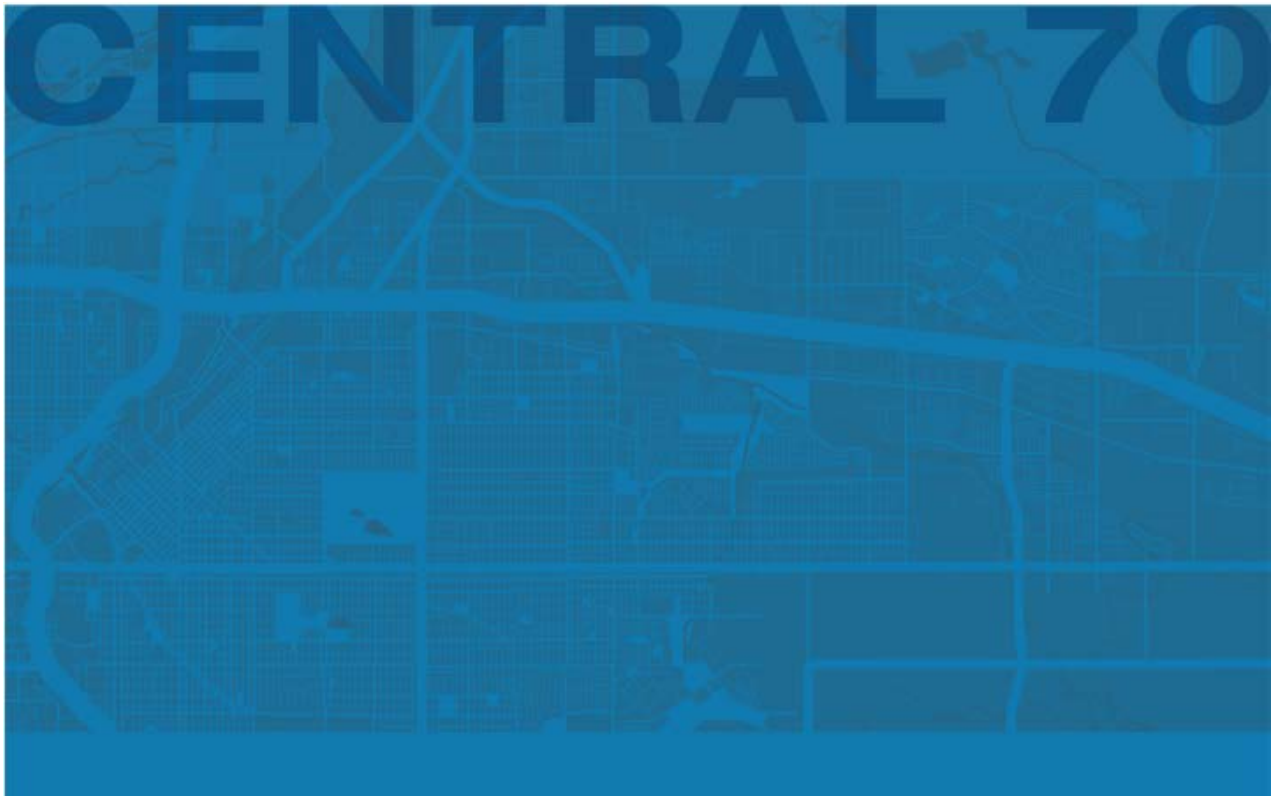
6/30/18
Date

Justin Hulsey
Test Conducted

6/30/18
Date

6. Project Design

6a. SSAR



July 11, 2018

Structure Survey Assessment Report AP-81

4620 Fillmore Street

Denver, CO 80216

TABLE OF CONTENTS

Contents

LIST OF REPORT ACRONYMS/ABBREVIATIONS

ACMs	Asbestos Containing Materials
AHERA	Asbestos Hazard Emergency Response Act
APEC	All-Phase Environmental Consultants
AMS	Air Monitoring Specialist
CABI	Colorado Asbestos Building Inspector
CDOT	Colorado Department of Transportation
CDPHE	Colorado Department of Public Health and Environment
CFCs	Chlorofluorocarbons
CFR	Code of Federal Regulations
EP	Environmental Professional
EPA	Environmental Protection Agency
FAA	Flame Atomic Absorption
LBP	Lead Based Paint
LCP	Lead Containing Paint
mg/L	Milligrams per Liter
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NLC	Non Lead Containing Paint
NVLAP	National Voluntary Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PCBs	Polychlorinated Biphenyls
PD	Project Designer
PEL	Permissible Exposure Limits
PLM	Polarized Light Microscopy
PPE	Personal Protective Equipment
ppm	Parts Per Million
RBM	Regulated Building Materials
RCRA	Resource Conservation and Recovery Act
RHMs	Recognized Hazardous Materials
SSAP	Structure Survey Assessment Plan
TC	Toxicity Characteristic
TCLP	Toxicity Characteristic Leaching Procedure
USEPA	U.S. Environmental Protection Agency
UWR	EPA Universal Waste Rule

LIST OF SAMPLING ACRONYMS/ABBREVIATIONS

BM	Brick/Mortar
CB	Cove Base
CC	Concrete
CER	Ceramic Block
CM	Ceramic Tile/Mortar
CMU	Concrete Masonry Unit/Mortar
CP	Carpet
CT	Ceiling Tile
D	Drywall (no surfacing)
DJ	Drywall/Joint Compound
F	Flooring
FT	Floor Tile
IN	Insulation
L	Linoleum
M	Mastic
MF	Multiple layered Flooring
MT	Mortar
PC	Popcorn Ceiling
PL	Plaster
PM	Panel/Mastic
R	Roofing
RF	Roof Flashing
S	Siding
ST	Stucco
T	Texture (no substrate)
TC	Textured Composite Board
TD	Textured Drywall
TSI	Thermal System Insulation
VB	Vapor Barrier
VP	Vent Paste (heating/cooling systems)
VW	Vent Wrap (heating/cooling systems)
WC	Window Caulk
WD	Wallpapered Drywall

Tables

Figures

Appendices

APEC Project # 18-3066-026

Prepared for

Kiewit Meridiam Partners

Prepared by

Logan Greenfield

Logan Greenfield, CABI & AMS #20715

VP of Field Services

Reviewed by

Brandice Eslinger

Brandice Eslinger, EP, CABI & PD # 5494

President

1 Introduction

APEC was contracted to complete an environmental building survey for suspect ACMs, LBP, and RBM at 4620 Fillmore Street, Denver, CO. This survey will identify which of materials needed to be abated or removed prior to the future demolition activities.

Table 1-1 Project Details

Client Name:	Kiewit Meridiam Partners
Site Location:	4620 Fillmore Street, Denver, CO 80216
Building Type	Residential House
Building Size	Building is approximately 1,108 square feet
Construction Date:	1947 – Based on the City and County of Denver Assessor Information
Building Uses:	Residential
Types of Materials to be Disturbed/Description of Proposed Disturbances:	Client intends to demolish the structure. All building materials will be impacted.

This Structure Survey Assessment was conducted as part of the Central 70 Project located in Denver, Colorado. This assessment was conducted in accordance with the SSAP, dated March 27, 2018. The SSAP, as defined in Section 23132 of Schedule 17 (Environmental Requirements) of the final Central 70 Project Agreement between CDOT and Kiewit Meridiam Partners, identifies the procedures for completing building and structure surveys for ACMs, LBP and universal wastes or other RHMs, as defined by the RCRA; universal waste, as defined by the USEPA and 6 CCR Part 273 of the Colorado Hazardous Waste Regulations; CFCs, as defined by the Clean Air Act; and PCBs, as defined by the Toxic Substances Control Act.

2 Site Survey Methodology

2.1 ASBESTOS SURVEY

On June 15, 2018, APEC certified personnel; Logan Greenfield conducted an asbestos survey for demolition at the aforementioned address. The asbestos survey (inspection/sampling) was completed in accordance with the SSAP and follows guidelines established under the USEPA's AHERA program and as required by USEPA regulation 40 CFR Part 61and NESHAP. Bulk sampling of suspected ACMs were performed in strict accordance with AHERA sampling procedures detailed in 40 CFR 763.86. These include but aren't limited to labeling each sample, recording on a chain of custody, taking a photo of the sample and recording the location on a site diagram. Demolition work could disturb materials that contain asbestos and put unprotected workers at risk, violating asbestos regulations, which are enforced by OSHA, the EPA, the CDPHE and the Denver County Health Department. All samples were collected and submitted to EMSL Analytical, Inc. in Denver, CO per APEC chain of custody protocol. The laboratory is a member of NVLAP and is qualified to perform the required analysis (Appendix A). The analysis conducted was the EPA Interim Method for the Determination of Asbestos in Bulk Samples, using standard PLM and dispersion staining as established in 40 CFR Part 763.

This inspection report and methodology complies with the CDPHE Asbestos Sampling and Report Requirements Memorandum dated February 28, 2018.

2.2 LEAD-BASED PAINT SURVEY

On June 15, 2018, APEC certified personnel Rick Ralston conducted the LBP survey. The survey was conducted to evaluate the absence and/or presence of LBP or LCP that will be impacted during future demolition activities. The survey consisted of reviewing and inspecting the interior, exterior and roof system of the structure for suspect LBP or LCP. The testing method makes use of a heat gun and/or scraper; removing a portion of the paint down to the substrate (material under the paint). Proper chain of custody procedures were followed and samples were sent to EMSL Analytical, Inc. in Cinnaminson, NJ, via Fed Ex. The samples were analyzed by total lead (percent by weight) via FAA by EPA Method 7420. EMSL is accredited under the American Industrial Hygiene Association's Environmental Lead Proficiency Analytical Testing program. LBP, according to the EPA, is defined as paint that contains lead in concentrations greater than 1.0 milligrams per square centimeter (mg/cm^2) as measured with an XRF or 5000 ppm when measured by weight, or 0.5 percent by weight.

A total of 3 homogeneous paint color variations of suspect LBP areas were identified. One paint chip sample was collected from each suspect homogeneous area and submitted to the laboratory for analysis. Representative photographs of LBP and/or LCP were taken and are included in the photographic log (Appendix B). The paint chip sample locations were recorded and are included on the sample location drawing (Figure 3). Descriptions of the suspect homogeneous materials and a list of the collected samples are described in the 'Findings' section.

Based on the analytical results for the 3 samples, a TCLP sample was analyzed by collecting a representative sample (approximately 105 grams) of combined suspect building materials. The sample results are located in Appendix D.

2.3 SURVEY OF SUSPECTED RBMS

On June 15, 2018, APEC personnel conducted the RBM inventory consisting of inspecting the interior, exterior and roof system. The inspection was conducted to visually identify and quantify any building materials, devices and equipment suspected of containing potentially regulated materials as they pertain to the EPA UWR requirements (40 CFR, Part 273). APECs inventory review consisted of the following: potential mercury-containing thermostats/switches; fluorescent light tubes and compact fluorescent bulbs; items potentially containing PCBs (generally ballasts found within the fluorescent light fixtures); tritium powered exit signs; smoke detectors potentially containing Americium-241; and Freon-containing refrigeration systems. The survey of suspected RBMS are for use by contractors conducting the removal of items from the property. Samples of suspect RBMs are not required for this type of survey, as all determinations are made by visual means.

Although not a “regulated material”, things such as gas meters, electrical meters and electrical panels are listed with the RBM inventory. These materials will require removal and/or disconnection prior to demolition. These materials should be handled with care until deemed safe.

3 Findings

3.1 ASBESTOS SURVEY

A total of 42 bulk samples, including 2 duplicate samples, were collected from 12 suspect homogenous materials throughout the structure. The results of the PLM analysis are presented in Table 3-1A and Table 3-1B. The following samples are positive for ACMs (i.e. present greater than 1%):

Regulated Asbestos Containing Materials (RACM)

- 4620F-R3-1A, 4620F-R3-1B, 4620F-R3-1C, 4620F-R3-1D, 4620F-R3-1E, 4620F-R3-1F & 4620F-R3-1G - light textured drywall in room 3.
- 4620F-R6-6A, 4620F-R3-6B & 4620F-R3-6C – textured drywall in room 6.

Non-regulated Asbestos Containing Materials

- 4620F-R6-5A, 4620F-R6-5B & 4620F-R6-5C - 9” x 9” floor tile in room 6.
- 4620F-R3-7A, 4620F-R3-1B & 4620F-R7-7C-wood panel mastic in room 7.
- 4620F-G-9A, 4620F-G-9B & 4620F-G-9C – transite siding on garage

Point Counts

Point count analysis occurs for samples with <1% of asbestos for all samples in a homogeneous group. The point count results are also presented in Table 3-1A. The laboratory analytical report is included as Appendix D. The following samples were confirmed to be OSHA regulated, due to analyzing at/or below 1% of asbestos due to point count analysis:

- Layer separated from the floor tile - 4620F-R6-5A – Concrete Leveler below some areas of 9” x 9” floor tile in room 6

Duplicate Samples

For quality assurance purposes, duplicate samples are taken approximately every 20th sample, per the EPA “pink book” that is used by Colorado Regulation 8 for sampling protocol. Duplicate samples are listed as a duplicate (Q) in the sample location column of Table 3-1A or Table 3-1B. Two samples, 4620F-R6-6Q and 4620F-G-12Q were collected because a total of 40 samples were obtained.

3.2 LEAD-BASED PAINT SURVEY

A total of 3 homogeneous paint color variations were analyzed for the presence of LBPs and LCPs (Table 3-2; Figure 3). Under EPA 40 CFR Part 745, LBP is defined as any paint or surface coating that contains lead equal to or exceeding 0.5% (by weight), while LCP is defined as any paint or surface coating containing lead greater than or equal to 0.06% up to 0.5% (by weight). Caution should be taken during demolition to minimize cutting, abrading, or otherwise causing an air disturbance to this material and work must be completed in accordance with the OSHA Lead in Construction Standard (29 CFR 1926.62).

Two lead samples (4620F-R-1L & 4620F-R-2L) were found to be greater than 0.06% by weight and less than 0.5% by weight and is considered LCP and Zero (0) samples tested were greater than 0.5% by weight considered LBP (Table 3-2). The remaining 1 sample was less than the LCP and LBP thresholds, and is considered NLC. The laboratory analytical report is included in Appendix D.

3.2.1 TCLP LEAD ANALYTICAL RESULTS

Since two samples analyzed as a LCP, TCLP analysis of lead was performed. TCLP analysis simulates the potential for the demolished building materials to leach lead if placed in the landfill and results of the analysis determine if the materials will be considered hazardous waste. TCLP analysis was performed for landfill compliance and the TC maximum concentration is 5 mg/L. The result of the TCLP analysis is, 1.4 mg/L, which is below the regulated limit and therefore not considered hazardous. The analytical report is included in Appendix D.

3.3 REGULATED BUILDING MATERIALS INVENTORY SURVEY

Several suspect RBMs were visually identified throughout the structure. RBMs that are a cause of concern, when discovered, are discussed below. A complete list of the RBMs is presented in Table 3-3, and selected locations of the RBMs are depicted in Figure 4.

4 Conclusions and Recommendations

4.1 ASBESTOS

Approximately 2,730 square feet of RACM was identified as light textured drywall located on the walls and ceilings of rooms 1, 2, 3, 4, 5, 6 and the hallway. Also identified was textured drywall located on the ceiling in room 6/Basement. These materials will require abatement prior to demolition of the structure because this is easily rendered friable.

Approximately 610 square feet of 9" x 9" floor tiles located in room 6/Basement and Transite paneling located on exterior garage walls and a small 3' x 4' section on the northeast corner of house were confirmed to be an ACM. These materials are Category I & II Non-friable ACM, per NESHAP and Regulation 8, but can be made friable by mechanical means. Therefore the material will need to be abated prior to demolition. However, best management practices should be implemented to ensure that these materials are not rendered friable during the demolition process.

No other ACM was identified throughout the structures; however, if additional suspect materials, not sampled during this investigation, are identified during demolition, they should either be assumed to be ACM or should be sampled prior to disturbance.

General Information

According to AHERA, EPA, and the CDPHE, materials testing at less than or equal to 1% asbestos fibers are not considered to be an ACM. However, any materials containing asbestos still need to be regulated. OSHA protocol must be followed when handling materials containing ANY amount of asbestos. Proper PPE and engineering controls must be utilized if these materials will be impacted during demolition activities.

4.2 LEAD-BASED PAINT

Lead was detected at concentrations above the LCP threshold in 2 of the 3 samples. The remaining 1 sample is considered NLC. Although LCP was identified in the samples analyzed, the TC limit of 5 mg/L was not exceeded in the TCLP lead analysis. No lead abatement is required prior to demolition.

TCLP results confirmed that the waste stream is not hazardous with respect to lead content.

While the TCLP results indicate that the waste stream is not characteristically hazardous with respect to lead content, LCP and LBP are still present in the building materials. Therefore, the contractor responsible for demolition of this structure is notified with receipt of this report of the presence or potential presence of LCP and/or LBP in the building materials that comprise the building. The contractor should also notify their employees of the presence of LCP or LBP prior to any disturbance and make the US Department of Labor OSHA publication number 3142-12R 2004 available to their workers. ("Lead in Construction", http://www.osha.gov/Publications/osha3142.pdf). The standards address topics such as PELs for workers, exposure assessment, protection of employees during assessment of exposure, employee notification, PPE, medical surveillance, along with other topics related to working with LCP and LBP.

4.3 REGULATED BUILDING MATERIALS

Materials found during the regulated materials inventory within the building may require special handling or disposal prior to demolition activities. If abatement is needed, APEC recommends that the asbestos contractor or general contractor selected by the client properly dispose of these regulated materials, per applicable regulations.

With regards to RBMs, if listed, it is likely that the ballasts in the fluorescent light fixtures do contain PCBs. Where a manufactures' label is present indicating "no PCBs", the ballast can be disposed of with recyclable metal or with other municipal waste. During removal for disposal as part of the demolition activities, each ballast should be visually inspected for the manufacture's label indicating "no PCBs". If the label does not have this notation, the ballast should be considered PCB-containing and should be disposed of as a hazardous waste in accordance with local, state, and federal regulatory guidelines. Refrigerators and air conditioning units contain freon, which will need to be reclaimed or taken to a facility capable of this activity. Mercury containing thermostats will need to be disposed of at a facility certified to take this type of material. The contractor should also carefully remove all associated fluorescent light tubes and compact fluorescent lights and recycle or dispose of these materials according to applicable regulations.

This inspection was primarily relevant to the Federal UWR requirements under 40 CFR 273. It should be noted that contractors submitting bids for removal of the RBMs should verify quantities, conditions, and locations of all RBMs prior to bid submittals and initiating demolition activities**.** The contractor is also responsible for proper recycling and/or disposal of the RBMs, and should follow all federal, state and local regulations when handling these materials.

5 Limitations

This Structure Survey Assessment Report was prepared by All-Phase Environmental Consultants, Inc., at the request of and for the sole benefit of Kiewit Meridiam Partners, or any entity controlling, controlled by, or under common control with Colorado Department of Transportation. APECs certified inspectors used reasonable diligence and professional judgement to identify all suspect asbestos-containing materials, lead based paint, and regulated building materials in the property. APEC will not be held liable for property damage or any loss of property value due to the inspection. This report is not an abatement plan and is intended to be informational only; APEC will not be held responsible for the mishandling of the information contained herein.

APEC utilized destructive inspection methods in performing this survey, however accessibility may have been a limiting condition. If additional impacted suspect materials are discovered during related work for which there are no sample documentation/results, APEC recommends pursuing one of the following alternatives: Sample and analyze the discovered suspect material(s) to determine whether it contains asbestos, lead or other regulated materials; or assume the material(s) to be containing, quantify and remove on a unit cost basis.

Notwithstanding any provision to the contrary, the total liability of “All Phase Environmental Consultants, Inc.”, and its employees, officers or directors be liable in contract, tort, strict liability warranty or otherwise, for any special, incidental or consequential damages, such as but not limited to, delay, disruption, loss of product, loss of anticipated profits or revenue, damages, cost, and expenses, including attorney’s fees, shall not exceed the aggregate amount paid to All Phase Environmental Consultants, Inc. under this Agreement regardless of the legal theory under which such liability is imposed.

Tables

Table 3-1A Positive Asbestos Containing Samples

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification	Estimated Quantity (Sq. ft.)
4620F-R3-1B	ROOM 3	TEXTURE 2% Chrysotile	PLM	GOOD	LIGHT TEXTURED DRYWALL	WALLS AND CEILINGS OF ALL ROOMS ON THE MAIN FLOOR	RACM	2,330
4620F-R2-1D	ROOM 2	TEXTURE 2% Chrysotile JOINT COMPOUND 2% Chrysotile	PLM	GOOD			RACM	
4620F-R5-1E	ROOM 5	TEXTURE 2% Chrysotile	PLM	GOOD			RACM	
4620F-R1-1A	ROOM 1	HOMOGENEOUS TO SAMPLES 4620F-R3-1B, 4620F-R2-1D & 4620F-R5-1E						
4620F-H-1C	HALLWAY							
4620F-R4-1F	ROOM 4							
4620F-R6-1G	ROOM 6							
4620F-R6-5A	ROOM 6/ BASEMENT	FLOOR TILE 2% Chrysotile	PLM	GOOD	9x9 FLOOR TILE	FLOORS OF ROOM 6 (BASEMENT)	Cat I	200
4620F-R6-5B		FLOOR TILE 2% Chrysotile	PLM	GOOD				
4620F-R6-5C		FLOOR TILE 4% Chrysotile	PLM	GOOD				
4620F-R6-6Q	ROOM 6	TEXTURE 2% Chrysotile	PLM	GOOD	TEXTURED DRYWALL	CEILING OF ROOM 6/ BASEMENT	RACM	200
4620F-R6-6B		TEXTURE 2% Chrysotile	PLM	GOOD				
4620F-R6-6C		TEXTURE 2% Chrysotile	PLM	GOOD				
4620F-R6-6A		HOMOGENEOUS TO SAMPLES 4620F-R6-6Q, 4620F-R6-6B & 4620F-R6-6C						
4620F-R6-7A	ROOM 6	20% Chrysotile	PLM	GOOD	WOOD PANEL/MASTIC	WALLS OF ROOM 6/ BASEMENT	Cat II	175
4620F-R6-7B		20% Chrysotile	PLM	GOOD				
4620F-R6-7C		15% Chrysotile	PLM	GOOD				

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification	Estimated Quantity (Sq. ft.)
4620F-G-9A	GARAGE	15% Chrysotile	PLM	GOOD	TRANSITE SIDING	EXTERIOR SIDING OF THE GARAGE AND A SMALL SECTION ON THE NORTHEAST CORNER OF THE HOUSE	Cat II	608
4620F-G-9B		15% Chrysotile	PLM	GOOD				
4620F-EX-9C	EXTERIOR	12% Chrysotile	PLM	GOOD				

ND=Non-Detect
PLM=Polarized Light Microscopy
NA=Not Applicable
RACM=Regulated Asbestos Containing Materials

Table 3-1B Non-Asbestos Containing and OSHA Regulated Material

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification
4620F-R6-2A	ROOM 6	ND	PLM	Good	PLASTIC TILE/MASTIC	WALLS IN ROOM 4, 6 AND THE STAIRWELL	NA
4620F-R4-2B	ROOM 4	ND	PLM	Good			NA
4620F-SW-2C	STAIRWELL	ND	PLM	Good			NA
4620F-R4-3A	ROOM 4	ND	PLM	Good	CERAMIC TILE/MORTAR/THIN SET	FLOORS IN ROOMS 3, 4 & 6	NA
4620F-R6-3B	ROOM 6	ND	PLM	Good			NA
4620F-R6-3C		ND	PLM	Good			NA
4620F-R3-4A	ROOM 3	ND	PLM	Good	CERAMIC TILE/MORTAR	WALLS IN ROOM 3	NA
4620F-R3-4B		ND	PLM	Good			NA
4620F-R3-4C		ND	PLM	Good			NA
4620F-R6-5A	ROOM 6/ BASEMENT	CONCRETE LAYER 0.25% Chrysotile	POINT COUNT	Good	9x9 FLOOR TILE	CONCRETE LAYER SEPERATED FROM TILE	NA
4620F-EX-8A	EXTERIOR	ND	PLM	Good	WINDOW GLAZING	EXTERIOR WINDOWS	NA
4620F-EX-8B		ND	PLM	Good			NA
4620F-EX-8C		ND	PLM	Good			NA
4620F-EX-10A	EXTERIOR	ND	PLM	Good	VAPOR BARRIER	BELOW EXTERIOR SIDING	NA
4620F-EX-10B		ND	PLM	Good			NA
4620F-EX-10C		ND	PLM	Good			NA
4620F-EX-11A	EXTERIOR	ND	PLM	Good	ROOFING HOUSE	ROOFING MATERIAL ON HOUSE	NA
4620F-EX-11B		ND	PLM	Good			NA
4620F-EX-11C		ND	PLM	Good			NA

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification
4620F-EX-12A	EXTERIOR	ND	PLM	Good	ROOFING GARAGE	ROOFING MATERIAL ON GARAGE	NA
4620F-EX-12B		ND	PLM	Good			NA
4620F-EX-12C		ND	PLM	Good			NA

ND=Non-Detect
PLM=Polarized Light Microscopy
NA=Not Applicable

Table 3-2 Summary of Paint Chip Analysis for Lead

Sample Number	Sample Location	Lead Concentration (% wt.)	Component	Paint Description	Classification
4620F-R5-1L	**Room 6**	**0.20%**	**Drywall**	**Peach**	**LCP**
4620F-C1-2L	**Room 6**	**0.11%**	**Wood**	**White**	**LCP**
4620F-C2-3L	Room 5	**0.012%**	Drywall	Brown	NLC

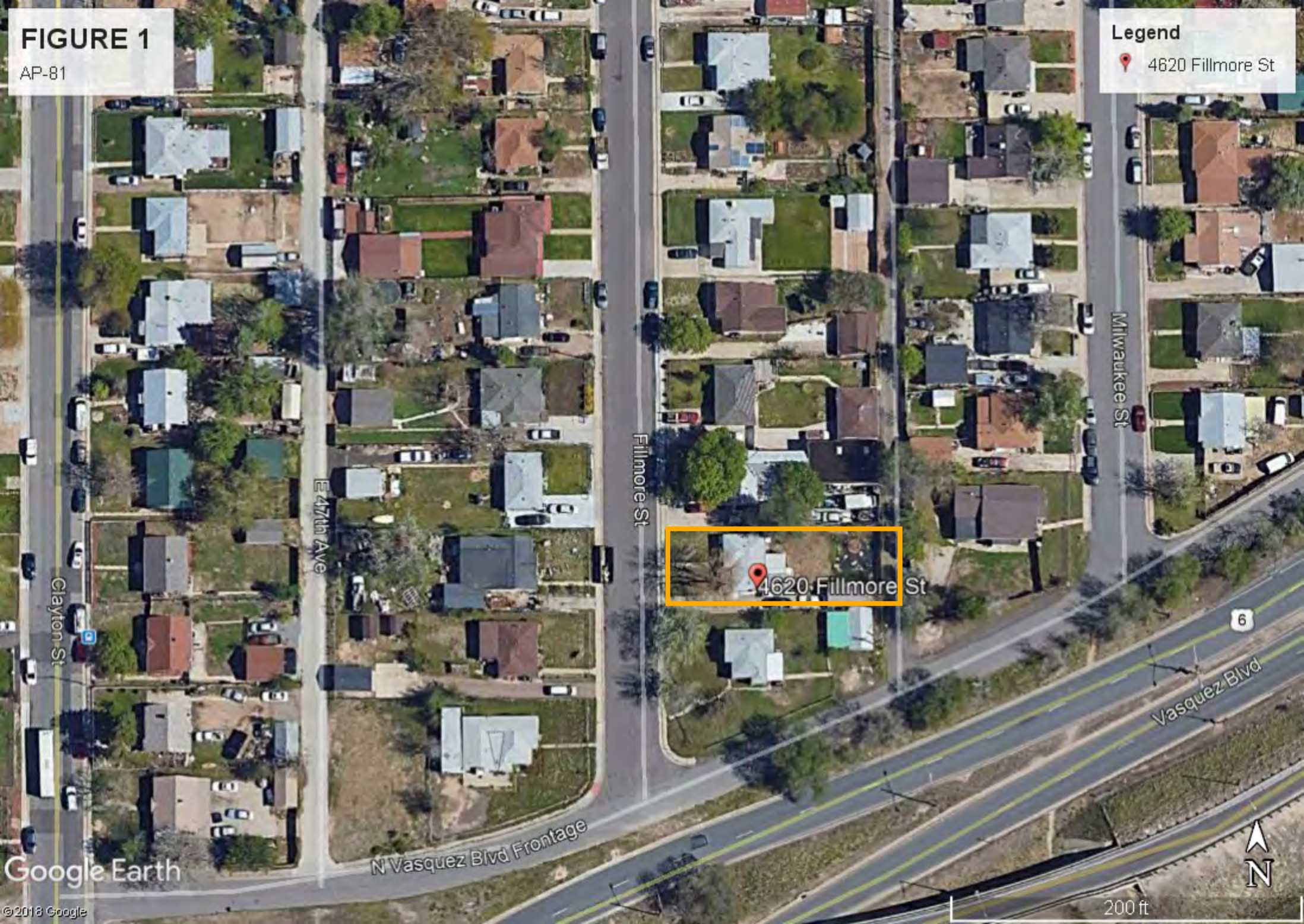
Table 3-3 Summary of Regulated Building Materials

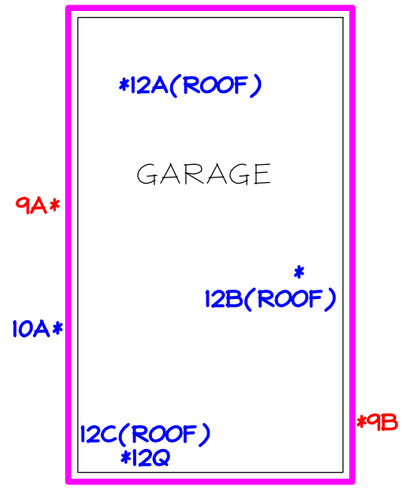
Room	Material	Location	Quantity Fixture/Bulbs each
Room 5	Thermostate (Digital)	East wall	1
Room 6/Basement	Furance	North wall	1
Exterior	Electrical Meter	South Side of House	1
Exterior	Gas Meter	West Side of House	1
Exterior	Breaker Box	South Side of House	1

Figures

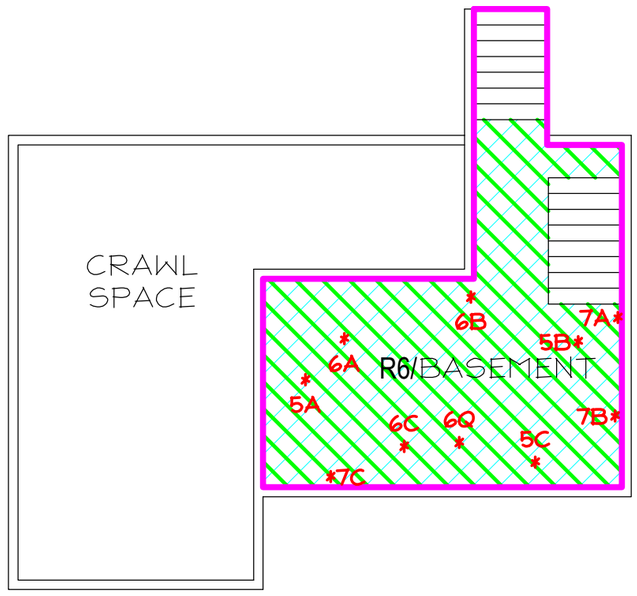
FIGURE 1

AP-81

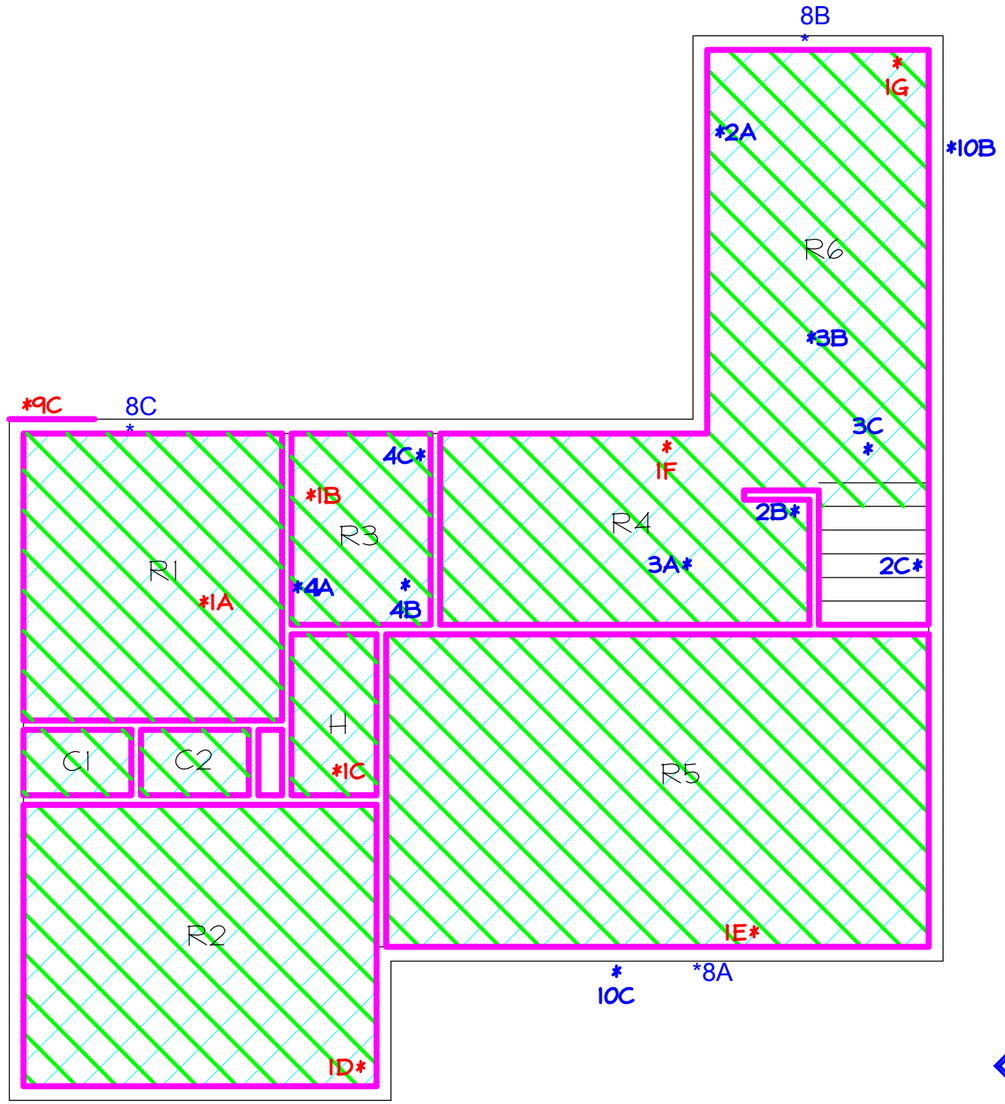


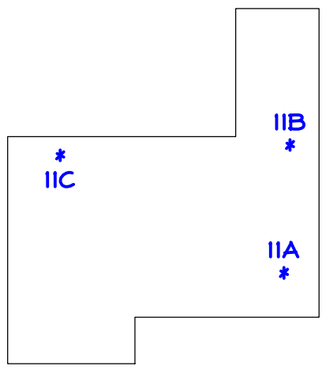


GARAGE 1/8"=1'-0"



BASEMENT/CRAWL SPACE 1/8"=1'-0"





ROOF 1/16"=1'-0"

R1 = Room Numbers

4B = Asbestos Samples (Detect)

4B = Asbestos Samples (Non-Detect)

= Positive Asbestos at Ceiling

= Positive Asbestos at Floors

= Positive Asbestos at Interior & Exterior Walls

N

APPROVED: B.N.E.

SCALE: 3/16" =1'-0"

FIGURE 2 - Asbestos Bulk Sample Locations

CENTRAL 70 - Structure Survey Assessment Map

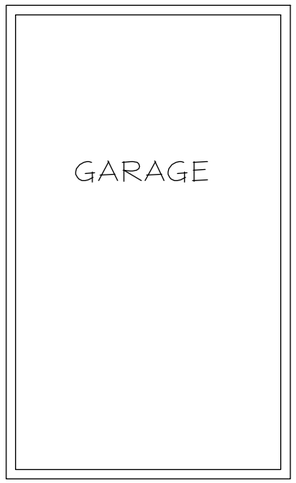
AP-81

46210 Fillmore St., Denver, CO

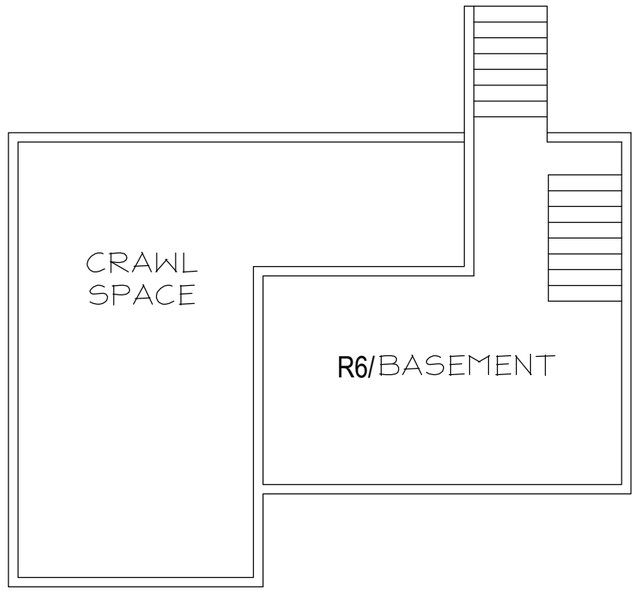
June 15, 2018

APEC #: 18-3066

ALL-PHASE
ENVIRONMENTAL CONSULTANTS, INC.
721 W 9TH STREET
Pueblo, CO 81003 Ph: (719) 545-0375



GARAGE 1/8"=1'-0"



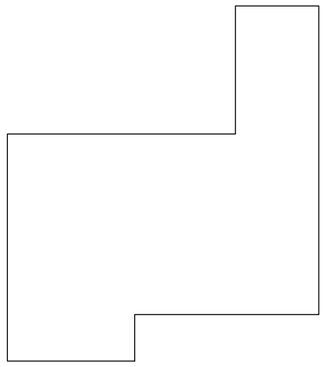
BASEMENT/CRAWL SPACE 1/8"=1'-0"

R1 = Room Numbers

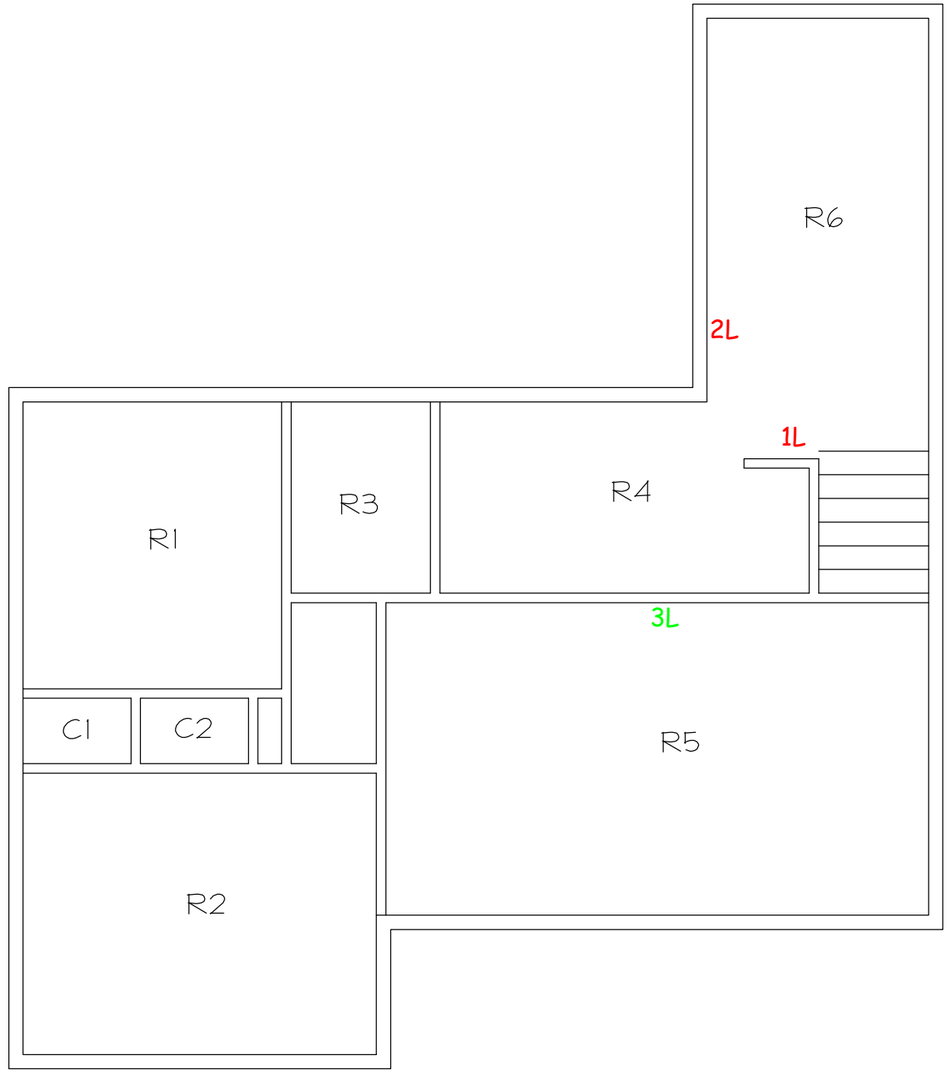
4 = Lead Base Paint (Detect)

4 = Lead Containing Paint (Detect)

4 = Lead Base Paint (Non-Detect)



ROOF 1/16"=1'-0"



N

DR BY: R.A.

APPROVED: B.N.E.

SCALE: 3/16" =1'-0"

FIGURE 3 - Lead Based Paint Sample Location

CENTRAL 70 - Structure Survey Assessment Map

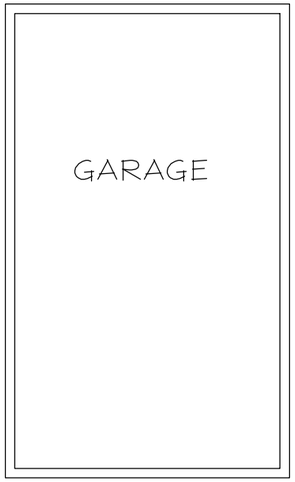
AP-81

4620 Fillmore St., Denver, CO

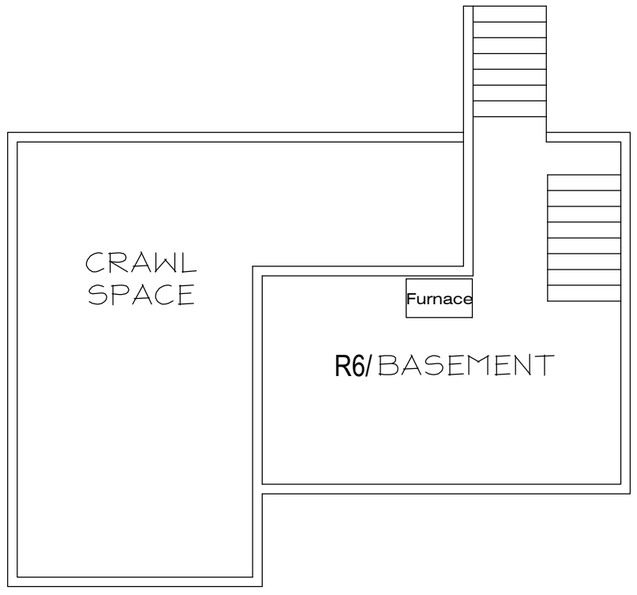
June 15, 2018

APEC #: 18-3066

ALL-PHASE
ENVIRONMENTAL CONSULTANTS, INC.
721 W 9TH STREET
Pueblo, CO 81003 Ph: (719) 545-0375

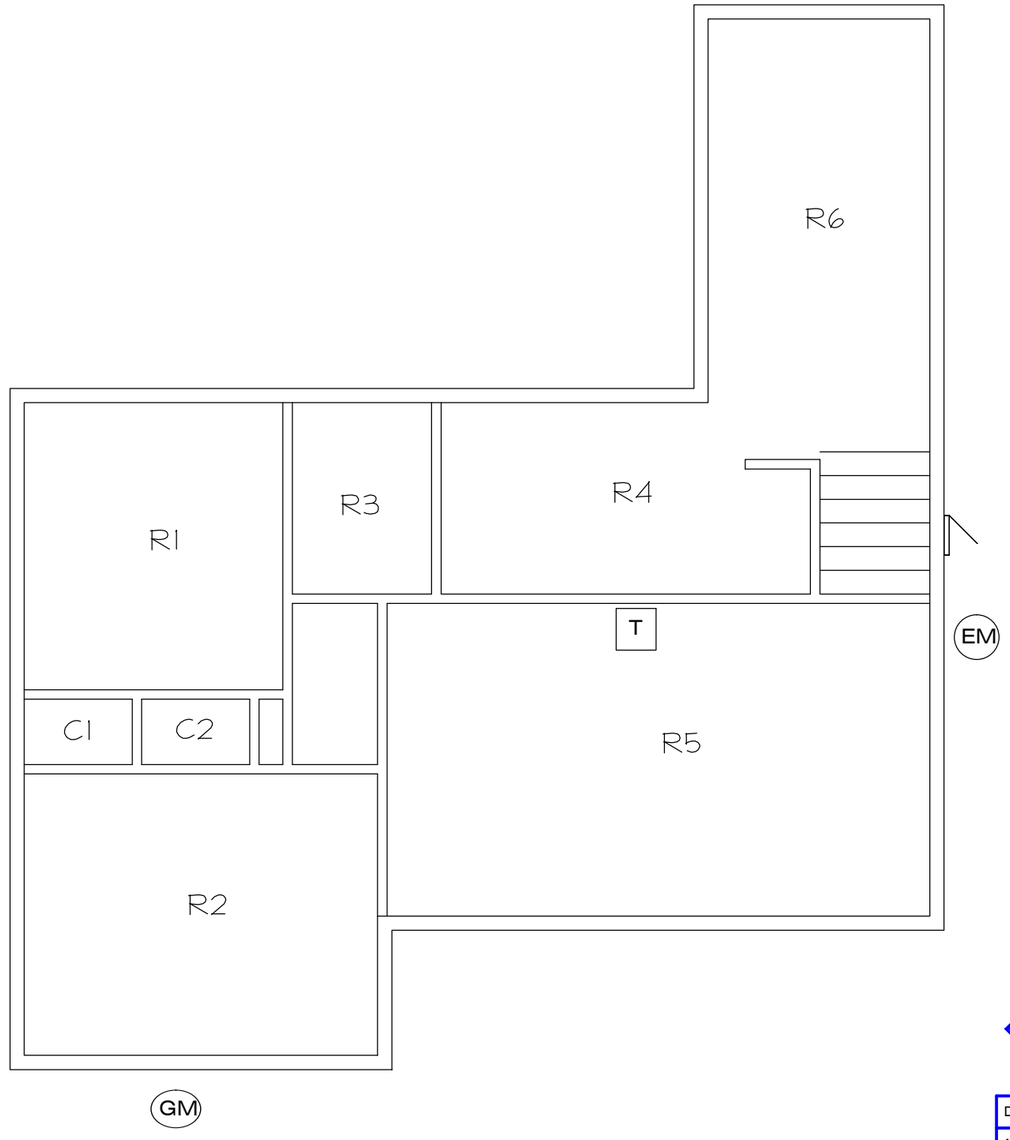


GARAGE 1/8"=1'-0"



BASEMENT/CRAWL SPACE 1/8"=1'-0"

ROOF 1/16"=1'-0"



R1 = Room Numbers

EM = Electrical Meter

T = Thermostat

= Breaker Panel

GM = Gas Meter

Furnace = Furnace

N

DR BY: R.A.

APPROVED: B.N.E.

SCALE: 3/16" =1'-0"

FIGURE 4 - Regulated Building Material

CENTRAL 70 - Structure Survey Assessment Map

AP-81

4620 Fillmore St., Denver, CO

June 15, 2018

APEC #: 18-3066

ALL-PHASE
ENVIRONMENTAL CONSULTANTS, INC.
721 W 9TH STREET
Pueblo, CO 81003 Ph: (719) 545-0375

A ASBESTOS, LEAD AND LABORATORY CERTIFICATIONS

Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Logan Greenfield

Certification No.: 20715

has met the requirements of 25-7-507, C.R.S. and Air Quality Control Commission Regulation No. 8, Part B, and is hereby certified by the state of Colorado in the following discipline:

Building Inspector*

Issued: **October 18, 2017**

Expires: **October 18, 2018**

**** This certificate is valid only with the possession of a current Division-approved training course certification in the discipline specified above.***

Authorized APCD Representative

SEAL

Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Logan Greenfield

Certification No.: 20715

has met the requirements of 25-7-507, C.R.S. and Air Quality Control Commission Regulation No. 8, Part B, and is hereby certified by the state of Colorado in the following discipline:

Building Inspector*

Issued: **September 13, 2018**

Expires: **October 18, 2019**

**** This certificate is valid only with the possession of a current Division-approved training course certification in the discipline specified above.***

Authorized APCD Representative

SEAL

CHC TRAINING

1775 West 55th Avenue
Denver, CO 80221
303.410.4941
trainingchc.com

Certifies that

Logan Greenfield

20715

Has Successfully Completed the EPA- Approved Annual Asbestos Refresher Training Course Under Section 206 of the Toxic Substance Control Act (TSCA), Title II.

BUILDING INSPECTOR

Course Date: September 20, 2017
Certificate No.: R17-1661-AI-CO
No. of Hours: 4
Expiration Date: September 20, 2018

Certification not valid without watermark

Frank Hulce - Instructor

Danaya Benedetto- Training Program Manager

CHC Training
Nationwide Training & Certification Experts

www.chctraining.com
303.412.6360
855.60.CERTIFY

1775 West 55th Avenue
Denver, CO 80221,
United States of America

Certificate of Achievement

This certificate is awarded to:

Logan Greenfield

In recognition of satisfactory completion of the EPA-approved annual asbestos refresher training course under section 206 of the Toxic Substance Control Act (TSCA), Title II entitled:

Building Inspector

Course Date:	September 12, 2018
Expiration Date	September 12, 2019
Course Hours:	4.0

Verify this Credential

Danaya N. Benedello
CEO & Training Program Manager

Credential License ID:
11943552

CHC Training
Est. 2007
Accredited Alumni
Safety · Quality · Compliance · Integrity

Daniel R. Beaver
Instructor

CHC Training Certificate No.
R18-1729-AI-CO

Visit our Website

Colorado Department
of Public Health
and Environment

LEAD-BASED PAINT CERTIFICATION*

This certifies that

Richard L. Ralston

Certification No.: 9130

has met the requirements of 25-7-1104, C.R.S. and Air Quality Control Commission Regulation No. 19, and is hereby certified by the state of Colorado in the following discipline:

Risk Assessor*

Issued: **February 10, 2017**

Expires: **February 10, 2019**

** This certificate is valid only with the possession of a valid lead-based paint training certificate in the discipline specified above, issued by either a Colorado approved training provider, an EPA approved training provider, or a training provider approved by another EPA authorized program.*

Authorized APCD Representative

SEAL

CHC TRAINING

1775 West 55th Avenue
Denver, CO 80221
303.410.4941
trainingchc.com

Certifies that

Richard Ralston

Has successfully completed the required training hours and passed the examination required by the Colorado Department of Public Health and Environment for:

Lead-Based Paint Risk Assessor Refresher

For the purposes of accreditation under the Colorado Department of Public Health and Environment Regulation No. 19 and other standard developed by EPA pursuant to Title IV of TSCA

Course Date: April 6, 2016
Certificate No.: R16-031-LRA-CO
No. of Hours: 8
Expiration Date: April 6, 2019

Certification not valid without watermark

Luis E. Peon

Luis Peon - Instructor

Danaya Benedetto

Danaya Benedetto - Training Program Manager

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200828-0

EMSL Analytical, Inc.

Denver, CO

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

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).

2018-04-01 through 2019-03-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

NVLAP® National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMSL Analytical, Inc.
1010 Yuma Street
Denver, CO 80204
Ms. Amanda Lang
Phone: 303-740-5700
Email: alang@emsl.com
http://www.emsl.com

ASBESTOS FIBER ANALYSIS — NVLAP LAB CODE 200828-0

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code	*Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: 100194

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

✓	**INDUSTRIAL HYGIENE**	Accreditation Expires: September 01, 2018
✓	**ENVIRONMENTAL LEAD**	Accreditation Expires: September 01, 2018
✓	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: September 01, 2018
☐	**FOOD**	Accreditation Expires:
☐	**UNIQUE SCOPES**	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

William Walsh, CIH
Chairperson, Analytical Accreditation Board

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 15: 03/30/2016

Date Issued: 08/31/2016

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: **100194**
Issue Date: 08/31/2016

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 01/18/1995

Field of Testing (FoT)	Technology sub-type/ Detector	Method	Method Description (*for internal methods only*)
Paint		EPA SW-846 3050B	
		EPA SW-846 7000B	
Soil		EPA SW-846 3050B	
		EPA SW-846 7000B	
Settled Dust by Wipe		EPA SW-846 3050B	
		EPA SW-846 7000B	
Airborne Dust		NIOSH 7082	
Composited Wipes		EPA SW-846 3050B	
		EPA SW-846 7000B	

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org

B

POSITIVE ASBESTOS & LEAD SAMPLE MATERIAL PHOTOGRAPHS

 Light Textured Drywall	Samples Represented – 4620F-R1-1A 4620F-R3-1B 4620F-H-1C 4620F-R2-1D 4620F-R5-1E 4620F-R4-1F 4620F-R6-1G
 9x9 Floor Tile	Samples Represented – 4620F-R6-5A 4620F-R6-5B 4620F-R6-5C
 Textured Drywall	Samples Represented – 4620F-R6-6A 4620F-R6-6Q 4620F-R6-6B 4620F-R6-6C

 Wood Panel Mastic	Samples Represented – 4620F-R6-7A 4620F-R6-7B 4620F-R6-7C
 Peach - LCP	Sample Represented – 4620F-R5-1L
 White - LCP	Sample Represented – 4620F-C1-2L

C

LABORATORY RESULTS & CHAIN OF CUSTODY- ASBESTOS

EMSL Analytical, Inc.
1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
http://www.EMSL.com / denverlab@emsl.com

EMSL Order: 221804469
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003

Project: 18-3066-CDOT-A-AP-81

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 06/19/2018 10:05 AM
Analysis Date: 06/23/2018 - 06/26/2018
Collected Date:

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
4620F-RI-1A-Drywall *221804469-0001*	Light textured Drywall	Brown/White Fibrous Heterogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	**None Detected**
			Inseparable paint / coating layer included in analysis		
4620F-R3-1B-Texture *221804469-0002*	Light textured Drywall	Beige/Peach Non-Fibrous Heterogeneous		10% Ca Carbonate 88% Non-fibrous (Other)	**2% Chrysotile**
			Inseparable paint / coating layer included in analysis		
4620F-R3-1B-Drywall *221804469-0002A*	Light textured Drywall	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	**None Detected**
4620F-H-1C-Drywall *221804469-0003*	Light textured Drywall	Brown/White/Peach Fibrous Heterogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	**None Detected**
			Inseparable paint / coating layer included in analysis		
4620F-R2-1D-Texture *221804469-0004*	Light textured Drywall	Brown/Beige Non-Fibrous Heterogeneous		10% Ca Carbonate 88% Non-fibrous (Other)	**2% Chrysotile**
			Inseparable paint / coating layer included in analysis		
4620F-R2-1D-Tape *221804469-0004A*	Light textured Drywall	Beige Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	**None Detected**
4620F-R2-1D-Joint Compound *221804469-0004B*	Light textured Drywall	Beige Non-Fibrous Homogeneous		10% Ca Carbonate 88% Non-fibrous (Other)	**2% Chrysotile**
4620F-R2-1D-Drywall *221804469-0004C*	Light textured Drywall	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	**None Detected**

Initial report from: 06/26/2018 16:28:26

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http://www.EMSL.com / denverlab@emsl.com

EMSL Order: 221804469
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Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003

Project: 18-3066-CDOT-A-AP-81

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 06/19/2018 10:05 AM
Analysis Date: 06/23/2018 - 06/26/2018
Collected Date:

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
4620F-R5-1E-Texture *221804469-0005*	Light textured Drywall	Beige Non-Fibrous Homogeneous		15% Ca Carbonate 83% Non-fibrous (Other)	**2% Chrysotile**
		Inseparable paint / coating layer included in analysis			
4620F-R5-1E-Drywall *221804469-0005A*	Light textured Drywall	White/Beige Non-Fibrous Homogeneous	10% Cellulose	65% Gypsum 25% Non-fibrous (Other)	**None Detected**
4620F--R4-1F-Drywall *221804469-0006*	Light textured Drywall	White Non-Fibrous Homogeneous	10% Cellulose	65% Gypsum 25% Non-fibrous (Other)	**None Detected**
		Inseparable paint / coating layer included in analysis			
4620F-R6-1G-Drywall *221804469-0007*	Light textured Drywall	White Non-Fibrous Homogeneous	10% Cellulose	65% Gypsum 25% Non-fibrous (Other)	**None Detected**
4620F-R6-2A-Plastic Tile *221804469-0008*	Plastic tile/mastic	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
4620F-R6-2A-Mastic *221804469-0008A*	Plastic tile/mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
4620F-R6-2A-Drywall *221804469-0008B*	Plastic tile/mastic	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	**None Detected**
4620F-R4-2B-Plastic Tile *221804469-0009*	Plastic tile/mastic	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
4620F-R4-2B-Mastic *221804469-0009A*	Plastic tile/mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**

Initial report from: 06/26/2018 16:28:26

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Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 06/19/2018 10:05 AM
Analysis Date: 06/23/2018 - 06/26/2018
Collected Date:

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
4620F-R4-2B-Drywall *221804469-0009B*	Plastic tile/mastic	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	**None Detected**
4620F-SW-2C-Plastic Tile *221804469-0010*	Plastic tile/mastic	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
4620F-SW-2C-Mastic *221804469-0010A*	Plastic tile/mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
4620F-SW-2C-Drywall *221804469-0010B*	Plastic tile/mastic	White Non-Fibrous Homogeneous	15% Cellulose	70% Ca Carbonate 15% Non-fibrous (Other)	**None Detected**
4620F-R4-3A-Ceramic Tile *221804469-0011*	Ceramic tile/ mortar/ thin set	Brown/Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
4620F-R4-3A-Grout *221804469-0011A*	Ceramic tile/ mortar/ thin set	Tan Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	**None Detected**
4620F-R4-3A-Thinset 1 *221804469-0011B*	Ceramic tile/ mortar/ thin set	Gray Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	**None Detected**
4620F-R4-3A-Thinset 2 *221804469-0011C*	Ceramic tile/ mortar/ thin set	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
4620F-R6-3B-Ceramic Tile *221804469-0012*	Ceramic tile/ mortar/ thin set	Brown/Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
4620F-R6-3B-Grout *221804469-0012A*	Ceramic tile/ mortar/ thin set	Tan Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	**None Detected**

Initial report from: 06/26/2018 16:28:26

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1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
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Analysis Date: 06/23/2018 - 06/26/2018
Collected Date:

Project: 18-3066-CDOT-A-AP-81

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
4620F-R6-3B-Thinset 1 *221804469-0012B*	Ceramic tile/ mortar/ thin set	Gray Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	**None Detected**
4620F-R6-3B-Thinset 2 *221804469-0012C*	Ceramic tile/ mortar/ thin set	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
4620F-R6-3C-Ceramic Tile *221804469-0013*	Ceramic tile/ mortar/ thin set	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
4620F-R6-3C-Thinset *221804469-0013A*	Ceramic tile/ mortar/ thin set	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	**None Detected**
4620F-R6-3C-Mortar *221804469-0013B*	Ceramic tile/ mortar/ thin set	Gray Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	**None Detected**
4620F-R6-3C-Mud *221804469-0013C*	Ceramic tile/ mortar/ thin set	White Non-Fibrous Homogeneous		5% Ca Carbonate 30% Gypsum 65% Non-fibrous (Other)	**None Detected**
4620F-R3-4A-Ceramic Tile *221804469-0014*	Ceramic tile/mortar	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
4620F-R3-4A-Caulk *221804469-0014A*	Ceramic tile/mortar	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
4620F-R3-4A-Mastic *221804469-0014B*	Ceramic tile/mortar	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
4620F-R3-4B-Ceramic Tile *221804469-0015*	Ceramic tile/mortar	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**

Initial report from: 06/26/2018 16:28:26

EMSL Analytical, Inc.
1010 Yuma Street Denver, CO 80204
Tel/Fax: (303) 740-5700 / (303) 741-1400
http://www.EMSL.com / denverlab@emsl.com

EMSL Order: 221804469
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003

Project: 18-3066-CDOT-A-AP-81

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 06/19/2018 10:05 AM
Analysis Date: 06/23/2018 - 06/26/2018
Collected Date:

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
4620F-R3-4B-Masti c *221804469-0015A*	Ceramic tile/mortar	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
4620F-R3-4C-Cera mic Tile *221804469-0016*	Ceramic tile/mortar	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
4620F-R3-4C-Masti c *221804469-0016A*	Ceramic tile/mortar	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
4620F-R6-5A-Floor Tile *221804469-0017*	9x9 floor tile	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	**2% Chrysotile**
4620F-R6-5A-Masti c *221804469-0017A*	9x9 floor tile	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
4620F-R6-5A-Concr ete *221804469-0017B*	9x9 floor tile	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**<1% Chrysotile**
4620F-R6-5B-Floor Tile *221804469-0018*	9x9 floor tile	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	**2% Chrysotile**
4620F-R6-5B-Masti c *221804469-0018A*	9x9 floor tile	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
4620F-R6-5C-Floor Tile *221804469-0019*	9x9 floor tile	White/Beige Non-Fibrous Homogeneous		35% Ca Carbonate 61% Non-fibrous (Other)	**4% Chrysotile**
4620F-R6-5C-Masti c *221804469-0019A*	9x9 floor tile	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**

Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

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Received Date: 06/19/2018 10:05 AM
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Collected Date:

Project: 18-3066-CDOT-A-AP-81

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
4620F-R6-6A-Drywall *221804469-0020*	Textured drywall	Gray Non-Fibrous Heterogeneous	20% Cellulose	70% Gypsum 10% Non-fibrous (Other)	**None Detected**
			Inseparable paint / coating layer included in analysis		
4620F-R6-6Q-Texture *221804469-0021*	Textured drywall	White/Beige Non-Fibrous Heterogeneous		10% Ca Carbonate 88% Non-fibrous (Other)	**2% Chrysotile**
			Inseparable paint / coating layer included in analysis		
4620F-R6-6Q-Drywall *221804469-0021A*	Textured drywall	White Fibrous Heterogeneous	20% Cellulose	70% Gypsum 10% Non-fibrous (Other)	**None Detected**
			Inseparable paint / coating layer included in analysis		
4620F-R6-6B-Texture *221804469-0022*	Textured drywall	White/Beige Non-Fibrous Heterogeneous		5% Ca Carbonate 93% Non-fibrous (Other)	**2% Chrysotile**
			Inseparable paint / coating layer included in analysis		
4620F-R6-6B-Tape *221804469-0022A*	Textured drywall	Yellow Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	**None Detected**
4620F-R6-6B-Joint Compound *221804469-0022B*	Textured drywall	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	**2% Chrysotile**
4620F-R6-6B-Drywall *221804469-0022C*	Textured drywall	White Fibrous Homogeneous	20% Cellulose	70% Gypsum 10% Non-fibrous (Other)	**None Detected**
4620F-R6-6C-Texture *221804469-0023*	Textured drywall	White/Beige Fibrous Heterogeneous		20% Ca Carbonate 78% Non-fibrous (Other)	**2% Chrysotile**
			Inseparable paint / coating layer included in analysis		

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Collected Date:

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
4620F-R6-6C-Drywall *221804469-0023A*	Textured drywall	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	**None Detected**
4620F-R6-7A *221804469-0024*	Wood panel/mastic	Brown/Tan Non-Fibrous Homogeneous		80% Non-fibrous (Other)	**20% Chrysotile**
4620F-R6-7B *221804469-0025*	Wood panel/mastic	Brown Non-Fibrous Homogeneous		80% Non-fibrous (Other)	**20% Chrysotile**
4620F-R6-7C *221804469-0026*	Wood panel/mastic	Brown Fibrous Homogeneous		85% Non-fibrous (Other)	**15% Chrysotile**
4620F-EX-8A *221804469-0027*	Window glazing	Beige Non-Fibrous Homogeneous	10% Fibrous_Other	90% Non-fibrous (Other)	**None Detected**
4620F-EX-8B *221804469-0028*	Window glazing	White Non-Fibrous Homogeneous	8% Fibrous_Other	30% Ca Carbonate 62% Non-fibrous (Other)	**None Detected**
4620F-EX-8C *221804469-0029*	Window glazing	White Fibrous Homogeneous	8% Fibrous_Other	30% Ca Carbonate 62% Non-fibrous (Other)	**None Detected**
4620F-G-9A *221804469-0030*	Transite siding	Gray/White Fibrous Homogeneous		85% Non-fibrous (Other)	**15% Chrysotile**
4620F-G-9B *221804469-0031*	Transite siding	Gray/White Fibrous Homogeneous		85% Non-fibrous (Other)	**15% Chrysotile**
4620F-EX-9C *221804469-0032*	Transite siding	Gray Fibrous Homogeneous		10% Ca Carbonate 78% Non-fibrous (Other)	**12% Chrysotile**

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Analysis Date: 06/23/2018 - 06/26/2018
Collected Date:

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
4620F-EX-10A *221804469-0033*	Vapor barrier	Black Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (Other)	**None Detected**
4620F-EX-10B *221804469-0034*	Vapor barrier	Black Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (Other)	**None Detected**
4620F-EX-10C *221804469-0035*	Vapor barrier	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	**None Detected**
4620F-EX-11A-Shingle *221804469-0036*	Roofing H	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	**None Detected**
4620F-EX-11A-Felt *221804469-0036A*	Roofing H	Black Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (Other)	**None Detected**
4620F-EX-11B-Shingle *221804469-0037*	Roofing H	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	**None Detected**
4620F-EX-11B-Felt *221804469-0037A*	Roofing H	Black Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (Other)	**None Detected**
4620F-EX-11C-Shingle *221804469-0038*	Roofing H	Brown/Gray/Black Fibrous Homogeneous	25% Glass	10% Ca Carbonate 65% Non-fibrous (Other)	**None Detected**
4620F-EX-11C-Felt *221804469-0038A*	Roofing H	Brown/Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	**None Detected**
4620F-G-12A-Shingle *221804469-0039*	Roofing G	Black Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	**None Detected**

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Pueblo, CO 81003

Project: 18-3066-CDOT-A-AP-81

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 06/19/2018 10:05 AM
Analysis Date: 06/23/2018 - 06/26/2018
Collected Date:

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
4620F-G-12A-Felt 1 *221804469-0039A*	Roofing G	Black Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (Other)	**None Detected**
4620F-G-12A-Felt 2 *221804469-0039B*	Roofing G	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	**None Detected**
4620F-G-12B-Shingle *221804469-0040*	Roofing G	Red/Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	**None Detected**
4620F-G-12B-Felt *221804469-0040A*	Roofing G	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	**None Detected**
4620F-G-12Q-Shingle *221804469-0041*	Roofing G	Black Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	**None Detected**
4620F-G-12Q-Felt *221804469-0041A*	Roofing G	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	**None Detected**
4620F-G-12C-Shingle 1 *221804469-0042*	Roofing G	White/Red/Black Fibrous Homogeneous	20% Synthetic	10% Ca Carbonate 70% Non-fibrous (Other)	**None Detected**
4620F-G-12C-Shingle 2 *221804469-0042A*	Roofing G	Red/Black Fibrous Homogeneous	20% Synthetic	10% Ca Carbonate 70% Non-fibrous (Other)	**None Detected**
4620F-G-12C-Mastic *221804469-0042B*	Roofing G	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
4620F-G-12C-Felt *221804469-0042C*	Roofing G	Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	**None Detected**

Initial report from: 06/26/2018 16:28:26

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EMSL Order: 221804469
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
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Pueblo, CO 81003

Project: 18-3066-CDOT-A-AP-81

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 06/19/2018 10:05 AM
Analysis Date: 06/23/2018 - 06/26/2018
Collected Date:

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

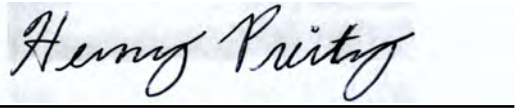
Report Comments:

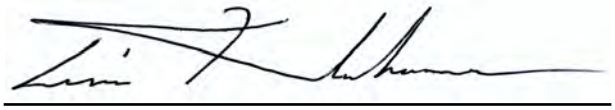
Sample Receipt Date:	06/19/2018	Sample Receipt Time:	10:05 AM
Analysis Completed Date:	06/26/2018	Analysis Completed Time:	4:24 PM

Analyst(s):

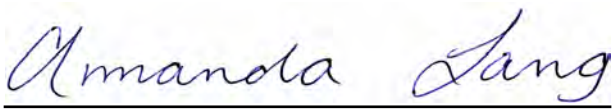
Signature Not Loaded
Cassandra Schorzman PLM (7)


Gentry Catlett PLM (14)


Stuart Printz PLM (21)


Timothy Kleehammer PLM (43)

Samples Reviewed and approved by:


Amanda Lang, Asbestos Laboratory Manager
or other approved signatory

Initial report from: 06/26/2018 16:28:26

EMSL Analytical, Inc.
1010 Yuma Street, Denver, CO 80204
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http://www.EMSL.com denverlab@emsl.com

EMSL Order:	221804469
CustomerID:	ALLP62
CustomerPO:	
ProjectID:	

Attn: **Logan Greenfield**
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003

Phone:	(719) 545-0375
Fax:	(719) 542-2807
Received:	06/19/18 10:05 AM
Analysis Date:	7/11/2018
Collected:	

Project: **18-3066-CDOT-A-AP-81**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
4620F-R6-5A-Concrete *221804469-0017B*	9x9 floor tile	Gray/Tan Non-Fibrous Homogeneous		99.75% Non-fibrous (other)	**0.25% Chrysotile**

Disclaimer:Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. The limit of detection as stated in the method is 0.25%. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc., bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc., liability is limited to the cost of sample analysis.The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from 07/11/2018 15:41:33

EMSL Analytical, Inc.
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Phone/Fax: (303) 740-5700 / (303) 741-1400
http://www.EMSL.com denverlab@emsl.com

EMSL Order:	221804469
CustomerID:	ALLP62
CustomerPO:	
ProjectID:	

Attn: **Logan Greenfield**
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003

Phone:	(719) 545-0375
Fax:	(719) 542-2807
Received:	06/19/18 10:05 AM
Analysis Date:	7/11/2018
Collected:	

Project: **18-3066-CDOT-A-AP-81**

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date::	6/19/2018	Sample Receipt Time:	10:05 AM
Analysis Completed Date:	7/11/2018	Analysis Completed Time:	3:37 PM

Analyst(s):

Timothy Kleehammer PLM 400 Point Count (1)

Samples reviewed and approved by:

Amanda Lang, Asbestos Laboratory Manager
or other approved signatory

Initial report from 07/11/2018 15:41:33

OrderID: 221804469

EMSL Analytical, Inc.
1010 Yuma Street

Denver, CO 80204
PHONE: (303) 740-5700
FAX: (303) 741-1400

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Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*: 221804469

Company: All-Phase Environmental Consultants, Inc.	**EMSL-Bill to:** ☐ Different ☑ Same If Bill to is Different note instructions in Comments**
Street: 721 W. 9th Street	*Third Party Billing requires written authorization from third party*
City: Pueblo **State/Province:** CO	**Zip/Postal Code:** 81003 **Country:** United States
Report To (Name): Logan Greenfield	**Telephone #:** 719-250-0036
Email Address: logan@allphaseenvironmental.com	**Fax #:** **Purchase Order:**
Project Name/Number: 18-3066-CDOT-A-AP81	**Please Provide Results:** ☐ FAX ☑ E-mail ☐ Mail
U.S. State Samples Taken: CO	**Connecticut Samples:** ☐ Commercial ☐ Residential

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☑ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide

PCM - Air ☐ Check if samples are from NY
☐ NIOSH 7400
☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
☑ PLM EPA 600/R-93/116 (<1%)
☐ PLM EPA NOB (<1%)
Point Count
☐ 400 (<0.25%) ☐ 1000 (<0.1%)
Point Count w/Gravimetric
☐ 400 (<0.25%) ☐ 1000 (<0.1%)
☐ NYS 198.1 (friable in NY)
☐ NYS 198.6 NOB (non-friable-NY)
☐ NIOSH 9002 (<1%)

TEM – Air ☐ **4-4.5hr TAT (AHERA only)**
☐ AHERA 40 CFR, Part 763
☐ NIOSH 7402
☐ EPA Level II
☐ ISO 10312

TEM - Bulk
☐ TEM EPA NOB
☐ NYS NOB 198.4 (non-friable-NY)
☐ Chatfield SOP
☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
Fibers >10µm ☐ Waste ☐ Drinking
All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
☐ Microvac - ASTM D 5755
☐ Wipe - ASTM D6480
☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
☐ PLM CARB 435 - A (0.25% sensitivity)
☐ PLM CARB 435 - B (0.1% sensitivity)
☐ TEM CARB 435 - B (0.1% sensitivity)
☐ TEM CARB 435 - C (0.01% sensitivity)
☐ TEM Qual. via Filtration Technique
☐ TEM Qual. via Drop-Mount Technique

Other:
☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group** **Filter Pore Size (Air Samples):** ☐ 0.8µm ☐ 0.45µm

Samplers Name: Logan Greenfield **Samplers Signature:** [signature]

	Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1	4620F-R1-1A	Light textured Drywall		6-15-18
2	4620F-R3-1B			
3	4620F-H-1C			
4	4620F-R2-1D			
5	4620F-R5-1E			
6	4620F-R4-1F			
7	4620F-R6-1G			
8	4620F-R6-2A	Plastic Tile/Mastic		

Client Sample # (s): **Total # of Samples:**

Relinquished (Client): [signature] **Date:** 6-18-18 **Time:** 1200

Received (Lab): MR **Date:** 6/19/18 **Time:** 10:05

Comments/Special Instructions:

EFY 7955 0259 48 MR 6/19
1/3 4985

Page 1 of 3 pages

OrderID: 221804469

EMSL Analytical, Inc.
1010 Yuma Street

Denver, CO 80204
PHONE: (303) 740-5700
FAX. (303) 741-1400

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*:

221804469

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

	Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
9	4620F-R4-2B	Plastic Tile/Mastic		6-15-18
10	4620F-SW-2C	↓		
11	4620F-R4-3A	Ceramic Tile/Mortar/Thin Set		
12	4620F-R6-3B	↓		
13	4620F-R6-3C	↓		
14	4620F-R3-4A	Ceramic Tile/Mortar		
15	4620F-R3-4B	↓		
16	4620F-R3-4C	↓		
17	4620F-R6-5A	9x9 Floor Tile		
18	4620F-R6-5B	↓		
19	4620F-R6-5C	↓		
20	4620F-R6-6A	Textured Drywall		
21	4620F-R6-6Q	↓		
22	4620F-R6-6B	↓		
23	4620F-R6-6C	↓		
24	4620F-R6-7A	Wood Pane/Mastic		
25	4620F-R6-7B	↓		
26	4620F-R6-7C	↓		
27	4620F-EX-8A	Window Glazing		
28	4620F-EX-8B	↓		
29	4620F-EX-8C	↓		
30	4620F-G-9A	Transite Siding		
31	4620F-G-9B	↓		
32	4620F-EX-9C	↓		↓

*Comments/Special Instructions:

Page 2 of 3 pages

EMSL Analytical, Inc.
1010 Yuma Street

Denver, CO 80204
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FAX: (303) 741-1400

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*: 221804469

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

	Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
33	4620F-EX-10A	Vapor Barrier		6-15-18
34	4620F-EX-10B	↓		↓
35	4620F-EX-10C	↓		
36	4620F-EX-11A	Roofing - H		
37	4620F-EX-11B	↓		
38	4620F-EX-11C	↓		
39	4620F-G-12A	Roofing - G		
40	4620F-G-12B	↓		
41	4620F-G-12Q	↓		
42	4620F-G-12C	↓		↓

*Comments/Special Instructions:

Page 3 of 3 pages

D

LABORATORY RESULTS & CHAIN OF CUSTODY - LEAD & TCLP

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (856) 303-2500 / (856) 786-5974
http://www.EMSL.com cinnaminsonleadlab@emsl.com

EMSL Order:	201807159
CustomerID:	ALLP62
CustomerPO:	
ProjectID:	

Attn: **Richard Ralston**
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO

Phone:	(719) 225-6953
Fax:	(719) 542-2807
Received:	07/02/18 10:00 AM
Collected:	6/15/2018

Project: **18-3066-C70-L-AP-81**

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

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Weight*	*Lead Concentration*
4620F-R-1L	*201807159-0001*	6/15/2018	7/5/2018	0.2602 g	0.20 % wt
	Site: Kitchen-Drywall-Peach				
4620F-R-2L	*201807159-0002*	6/15/2018	7/5/2018	0.2505 g	0.11 % wt
	Site: Kitchen-Wood Frame-White				
4620F-R-3L	*201807159-0003*	6/15/2018	7/5/2018	0.2677 g	0.012 % wt
	Site: Living Room-Drywall-Brown				

Phillip Worby, Lead Laboratory Manager
or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 07/06/2018 10:20:38

OrderID: 201807159

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID *(Lab Use Only)*: 201807159

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

Company: All-Phase Environmental Consultants, Inc	**EMSL-Bill to:** ☑ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 721 West 9th Street	
City: Pueblo **State/Province:** CO	**Zip/Postal Code:** 81003 **Country:** US
Report To (Name): Richard Ralston	**Telephone #:** 7192256953
Email Address: rick@allphaseenvironmental.com	**Fax #:** 719-542-2807 **Purchase Order:**
Project Name/Number: 18-3066-C70-L-AP- 81	**Please Provide Results:** ☐ Fax ☑ Email
U.S. State Samples Taken: CO	**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour | ☐ 6 Hour | ☐ 24 Hour | ☐ 48 Hour | ☒ 72 Hour | ☐ 96 Hour | ☐ 1 Week | ☐ 2 Week

**Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide*

Matrix	Method	Instrument	Reporting Limit	Check
Chips ☒ % by wt. ☐ mg/cm² ☐ ppm (mg/kg)	SW846-7000B	Flame Atomic Absorption	0.01%	☒
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	☐
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	☐
	NIOSH 7300M/NIOSH 7303	ICP-OES	0.5 µg/filter	☐
Wipe* ASTM ☐ non ASTM ☐ *if no box checked, non-ASTM Wipe assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	☐
	SW846-6010B or C	ICP-OES	1.0 µg/wipe	☐
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW846-1311/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW846-1312/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW846-1312/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)	☐
	22 CCR App. II, SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	☐
	SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	☐
Wastewater Unpreserved ☐ Preserved with HNO_3 pH < 2 ☐	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐
	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water Unpreserved ☐ Preserved with HNO_3 pH < 2 ☐	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐
	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	☐
Other:				☐

Name of Sampler: Rich Ralston **Signature of Sampler:** RRalston

Sample #	Location	Volume/Area	Date/Time Sampled
1- 4620F-R	1L Kitchen Drywall	Perch	6/15/18
V	2L Kitchen wood Frame	White	

Client Sample #s - **Total # of Samples:** 3

Relinquished (Client):	Ralston	**Date:**	6/25/2018	**Time:**	16:10
Received (Lab):	CLDavis	**Date:**	6/26/18	**Time:**	1030

Comments:
BillTo: All-Phase Environmental Consultants, Inc, 721 West 9th Street, Pueblo, CO, 81003, US
Attention: Brandice Eslinger Phone: 719-240-4690 Email: brandice@allphaseenvironmental.com Purchase Order:

per Rick please hold additional sample (#8 Garage) and proceed with the samples listed on the COC 6/26/18 Dam

Emailed & left Voicemail for client regarding additional sample received that is not on the COC. 6/26/18 -CL -ar Followed up 7/2/18

OrderID: 201807159

EMSL ANALYTICAL, INC.
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EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

LEAD (Pb) CHAIN OF CUSTODY

EMSL ORDER ID *(Lab Use Only):*

201807159

EMSL Analytical, Inc.
200 Route 130 North

Cinnaminson, NJ 08077

PHONE: 1-800-220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Location	Volume/Area	Date/Time Sampled
3 4620FR	BL - Living Room DRYWALL	BLOWD	

Comments/Special Instructions:

BillTo: All-Phase Environmental Consultants, Inc, 721 West 9th Street, Pueblo, CO, 81003, US
Attention: Brandice Eslinger Phone: 719-240-4690 Email: brandice@allphaseenvironmental.com Purchase Order:

Page 2 of 2 pages

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (856) 303-2500 / (856) 786-5974
http://www.EMSL.com cinnaminsonleadlab@emsl.com

EMSL Order:	201806933
CustomerID:	ALLP62
CustomerPO:	
ProjectID:	

Attn: **Richard Ralston**
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO

Phone:	(719) 225-6953
Fax:	(719) 542-2807
Received:	06/26/18 10:30 AM
Collected:	6/15/2018

Project: **18-3066-C70-L-AP-81**

Test Report: Toxicity Characteristic Leachate Procedure (1311/7000B)

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Lead* ***Concentration***
4620F-TC-1	*201806933-0001*	6/15/2018	6/28/2018	1.4 mg/L
	Site: TCLP- Around House			

Phillip Worby, Lead Laboratory Manager
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

Initial report from 06/29/2018 10:48:01

OrderID: 201806933

TCLP 4620 TC

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID *(Lab Use Only)*: 201806933

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

Company : All-Phase Environmental Consultants, Inc	**EMSL-Bill to:** ☑ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 721 West 9th Street	
City: Pueblo **State/Province:** CO	**Zip/Postal Code:** 81003 **Country:** US
Report To (Name): Richard Ralston	**Telephone #:** 7192256953
Email Address: rick@allphaseenvironmental.com	**Fax #:** 719-542-2807 **Purchase Order:**
Project Name/Number: 18-3066-C70-L-AP- 81	**Please Provide Results:** ☐ Fax ☑ Email
U.S. State Samples Taken: CO	**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour | ☐ 6 Hour | ☐ 24 Hour | ☐ 48 Hour | ☑ 72 Hour | ☐ 96 Hour | ☐ 1 Week | ☐ 2 Week

**Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide*

Matrix	Method	Instrument	Reporting Limit	Check
Chips ☐ % by wt. ☐ mg/cm² ☐ ppm (mg/kg)	SW846-7000B	Flame Atomic Absorption	0.01%	☐
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	☐
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	☐
	NIOSH 7300M/NIOSH 7303	ICP-OES	0.5 µg/filter	☐
Wipe* ASTM ☐ non ASTM ☐ *if no box checked, non-ASTM Wipe assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	☐
	SW846-6010B or C	ICP-OES	1.0 µg/wipe	☐
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☒
	SW846-1311/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW846-1312/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW846-1312/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)	☐
	22 CCR App. II, SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	☐
	SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	☐
Wastewater Unpreserved ☐ Preserved with HNO_3 pH < 2 ☐	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐
	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water Unpreserved ☐ Preserved with HNO_3 pH < 2 ☐	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐
	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	☐
Other:				☐

Name of Sampler: Rick Ralston **Signature of Sampler:** RRalston

Sample #	Location	Volume/Area	Date/Time Sampled
4620F-TC-1	TCLP--Around House	Aprox ½ lb.	6/15/18

(1)

Client Sample #s - **Total # of Samples:** 1

Relinquished (Client):	RRalston	**Date:**	6/25/2018	**Time:**	1600
Received (Lab):		**Date:**	6/26/18	**Time:**	1030

Comments:
BillTo: All-Phase Environmental Consultants, Inc, 721 West 9th Street, Pueblo, CO, 81003, US
Attention: Brandice Eslinger Phone: 719-240-4690 Email: brandice@allphaseenvironmental.com Purchase Order:

Spoke to Richard he is aware of the 96 HR being the quickest 6/26/18 -CK

6b. Asbestos Abatement Project Design

Foothills Environmental, Inc.

Industrial Hygiene, Safety & Environmental Services

(Version 1, 11/5/18)

ASBESTOS ABATEMENT PROJECT DESIGN

SINGLE FAMILY RESIDENCE ABATEMENT PROJECT

4620 FILLMORE STREET
DENVER, COLORADO 80216

PREPARED FOR:

JKS Industries, LLC
747 Sheridan Blvd., #9A
Lakewood, Colorado 80214

November 5, 2018

FEI Project Number: AS18207-15

Prepared By:
Nicolas D. Vasquez, CDPHE Cert #22566
Foothills Environmental

Foothills Environmental, Inc.
11099 W. 8th Ave.
Lakewood, Colorado 80215
Phone: 303-232-2660

Table of Contents

APPENDIX A – Drawings

APPENDIX B – Certificates

1.0 Scope of Work

1.1 Materials Identified for Removal

The General Abatement Contractor (GAC) will be performing the removal of asbestos containing material(s) as indicated in the table below. This information was gathered from the inspection report prepared by All-Phase Environmental Consultants (APEC) dated July 11, 2018. A copy of the Inspection and this Project Design will be available onsite during the course of the project. The total amount of actual asbestos containing material to be removed is estimated to be greater than 160 sf/260 lf or the equivalent of a 55 gallon drum.

The following ACM was identified for removal prior to demolition:

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification	Estimated Quantity (Sq. ft.)
4620F-R3-1B	ROOM 3	TEXTURE 2% Chrysotile	PLM	GOOD	LIGHT TEXTURED DRYWALL	WALLS AND CEILINGS OF ALL ROOMS ON THE MAIN FLOOR	RACM	2,330
4620F-R2-1D	ROOM 2	TEXTURE 2% Chrysotile JOINT COMPOUND 2% Chrysotile	PLM	GOOD			RACM	
4620F-R5-1E	ROOM 5	TEXTURE 2% Chrysotile	PLM	GOOD			RACM	
4620F-R1-1A	ROOM 1	HOMOGENEOUS TO SAMPLES 4620F-R3-1B, 4620F-R2-1D & 4620F-R5-1E						
4620F-H-1C	HALLWAY							
4620F-R4-1F	ROOM 4							
4620F-R6-1G	ROOM 6							
4620F-R6-5A	ROOM 6/ BASEMENT	FLOOR TILE 2% Chrysotile	PLM	GOOD	9x9 FLOOR TILE	FLOORS OF ROOM 6 (BASEMENT)	Cat I	200
4620F-R6-5B		FLOOR TILE 2% Chrysotile	PLM	GOOD				
4620F-R6-5C		FLOOR TILE 4% Chrysotile	PLM	GOOD				
4620F-R6-6Q	ROOM 6	TEXTURE 2% Chrysotile	PLM	GOOD	TEXTURED DRYWALL	CEILING OF ROOM 6/ BASEMENT	RACM	200
4620F-R6-6B		TEXTURE 2% Chrysotile	PLM	GOOD				
4620F-R6-6C		TEXTURE 2% Chrysotile	PLM	GOOD				
4620F-R6-6A		HOMOGENEOUS TO SAMPLES 4620F-R6-6Q, 4620F-R6-6B & 4620F-R6-6C						
4620F-R6-7A	ROOM 6	20% Chrysotile	PLM	GOOD	WOOD PANEL/MASTIC	WALLS OF ROOM 6/ BASEMENT	Cat II	175
4620F-R6-7B		20% Chrysotile	PLM	GOOD				
4620F-R6-7C		15% Chrysotile	PLM	GOOD				

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification	Estimated Quantity (Sq. ft.)
4620F-G-9A	GARAGE	15% Chrysotile	PLM	GOOD	TRANSITE SIDING	EXTERIOR SIDING OF THE GARAGE AND A SMALL SECTION ON THE NORTHEAST CORNER OF THE HOUSE	Cat II	608
4620F-G-9B		15% Chrysotile	PLM	GOOD				
4620F-EX-9C	EXTERIOR	12% Chrysotile	PLM	GOOD				

ND=Non-Detect
PLM=Polarized Light Microscopy
NA=Not Applicable
RACM=Regulated Asbestos Containing Materials

Regulatory asbestos abatement notification and permit from the Colorado Department of Public Health and Environment (CDPHE) will be required for this project.

1.2 Schedule

The following schedule has been proposed for the project. Phasing and dates are included in Section 1.3, Sequence of Work.

Project Start Date: November 6, 2018
Project Completion Date: November 20, 2018

1.3 Sequence of Work

The following phasing plan has been developed for the abatement. This plan was submitted with the permit application which corresponds to the drawing attached in Appendix A.

- **Phase 1** Start: November 6, 2018

  Finish: November 20, 2018

Textured drywall, vinyl floor tile, and wood panel mastic in all designated areas will be completed in one full containment.

Exterior transite siding removal will be completed separately utilizing abatement methods prescribed in CDPHE Regulation No. 8. III.S.2. “Asbestos Cement Products” and CDPHE Regulation No. 8. III.S.4. “Other Nonfriable Asbestos Containing Materials”

1.4 Discussion of Removal Methods

All friable and non-friable asbestos-containing materials that will become friable, as well as asbestos contaminated materials that are located in the work area shall be removed from their installed locations inside a full containment and by utilizing wet removal methods and a combination of handheld tools. Nonfriable transite siding will be removed without containments, but using wet methods, hand tools, drop cloth, and protective clothing.

Waste generated during removal will be gathered placed into 2 6ml thick properly labeled disposal bags while wet. Work will be accomplished using CDPHE certified supervisors and workers.

Work completion includes preparation of the work area, pre-clean activities, removal and disposal of all specified ACM from the premises, final cleaning of the work area, final visual inspection, lockdown, and final clearance monitoring. The project will be considered complete when all containments and work areas have passed clearance criteria.

The following types of containments will be used during the project followed by procedures for setup and dismantling:

Full Containments

The GAC shall conduct abatement activities in accordance with CDPHE Regulation No. 8 in the following mandatory sequence for full containment:

1) Install critical barriers (pursuant to subsection III.I, Critical Barrier Installation)

2) Establish negative pressure (pursuant to Regulation No. 8 subsection III.J, Air Cleaning and Negative Pressure Requirements)

Note: *The removal of non-ACM building materials and components may only take place after negative air pressure is established in the containment work area(s).*

3) Construct the decontamination area (pursuant to subsection III.K, Decontamination Area)

4) Pre-clean surfaces (pursuant to subsection III.L, Pre-cleaning of Surfaces)

5) Cover fixed objects (pursuant to subsection III.M, Covering Fixed Objects)

6) Construct the containment (pursuant to subsection III.N, Containment Components)

7) Conduct abatement (pursuant to subsection III.O, Abatement Methods)

8) Conduct final visual inspection (pursuant to paragraph III.P.1., Final Visual Inspection)

9) Conduct final clearance air monitoring (pursuant to paragraph III.P.3., Final Clearance Air Monitoring)

10) Conduct the tear-down (pursuant to subsection III.Q., Tear-down)

All waste from the project will be packaged in approved containers and transferred to an approved landfill for disposal. After successful air clearance of each containment the containment can be removed and all non-reusable containment materials will be packaged for disposal. Only visual clearance will be required to verify complete removal of transite siding.

2.0 Special Conditions

2.1 Regulatory Notification and Variances

The General Abatement Contractor, (GAC) will make any required notifications to Federal and State entities regulating their work as required by applicable rules, regulations, and standards. This includes, but is not limited, to the National Emission Standards for Hazardous Air Pollutants (NESHAP) notification [notice provided to the Colorado Department of Public Health and Environment (CDPHE) with permit application]. ***The abatement contractor is responsible for quantifying amounts of ACM necessary to properly complete the project.***

2.2 Project Manager Requirement

Colorado Regulation No. 8 requires a Project Manager on all asbestos abatement projects in which the amount of friable ACM to be abated exceeds 1,000 linear feet on pipes, or 3,000 square feet on other surfaces. A Project Manager may be required for this project, unless a waiver is requested and granted by CDPHE.

2.3 Facility Occupancy Status

During abatement activities the building will not be occupied by the former tenants but may be visited by owner personnel as well as other tradesmen.

2.4 Site Security

Entry to the regulated asbestos work area is by permission only to authorized personnel. The perimeter of the work area may be monitored during abatement by a certified Air Monitoring Specialist (AMS). Only asbestos certified/licensed personnel employed by the GAC or federal or state regulatory agency personnel and the AMS will be allowed access to the work area. A logbook will be maintained at the entrance to the work area. Everyone who enters the work area must record name, affiliation, time in and time out for each entry.

2.5 Field Changes

Minor modifications to the project design are allowed. Minor changes include but are not limited to, relocation of negative air machines, decontamination facility and waste load-out. Any modifications to the project design must be approved by the Project Designer before the changes are made.

3.0 Project Design

3.1 Standards and Primacy of Rules

The following standards will be adopted as they pertain to asbestos abatement. In any instance where adopted standards are in conflict with each other, the most stringent shall apply.

1) Colorado Department of Public Health and Environment Regulation #8
2) 5CCR 1000-10 Part B asbestos handling, transportation, and storage
3) 29 CFR 1926.1101, the OSHA Construction Industry Asbestos Standard
4) 40 CFR 61 Subpart M, EPA's NESHAP Asbestos Standard
5) NIOSH/OSHA/EPA –"Occupational; Safety & Health Guidance Manual for Hazardous Waste Site Activities", Section 8-20; Heat Stress and Other Physiological Factors.
6) All other applicable laws, rules, and regulations, including but not limited to those relating to:

7 Workers' Compensation Insurance;
8 Liability Insurance
9 All contract specifications and documentation

3.2 Site Access

The GAC has access to the facility for the purpose of abatement from 6:30 AM to 5:00 PM until project completion which is projected to be 11/20/18.

3.3 Utilities Service

Access to electrical power, water and sanitary sewer is not available inside the facility. The contractor will provide utility services during the duration of the project. Any temporary utility lines running to the regulated asbestos work area shall be adequately protected from damage and abrasion from vehicle and foot traffic. All waste water shall be filtered to five (5) microns prior to discharge into a sanitary sewer.

GAC will have to provide temporary restrooms located close to the project site at approved locations for the duration of the project (to be placed in a protected area if possible).

3.4 Decontamination Facilities & Load-Out Facilities

Personnel decontamination facilities shall consist of an Equipment (Dirty) Room, Shower, and a clean room constructed in accordance with Regulation #8 III.K Decontamination Unit. If waste load out is by direct load out, it shall consist of a direct waste loadout configuration that is currently approved by CDPHE (Configuration diagram approved by CDPHE shall be attached to this Project Design if used).

All load-out and disposal procedures shall be in accordance with applicable federal, state, and local regulations and project specifications.

3.5 Critical Barriers

All critical barriers will consist of a minimum 1 layer of 6mil poly critical barrier on all, openings, and vents.

3.6 Negative Pressure Ventilation

The GAC shall maintain a negative pressure differential of -0.02 inches of water in the work areas in accordance with Regulation #8 III.J Air cleaning and Negative Pressure Requirements, until final visual and clearance air monitoring complete. The calculations in the next section take into account at least 1 backup Negative Air Machine (NAM) with HEPA filtration. The contractor will also be using generators for maintaining electrical supply. In the case of generator failure, all workers will leave the work area and seal the containment. A replacement generator will be available onsite or within an hour's time of the project for use in case of failure. Work will resume when negative pressure is restored. If negative pressure is not restored within an hour's time alternate means of electrical supply will be sought. If no supply is available, contractor will contact CDPHE and follow directions for spill response.

3.7 Air Exchange Calculations

AIR CHANGE CALCULATIONS ***for a 2000 cfm negative air machine (NAM)***

$$\textit{AIR CHANGES} = \frac{A}{B \times C}$$

Where: A = Work area volume in cubic feet (l x w x h)
B = 15 minutes
C = Estimated rated capacity of NAM (1,500 cfm)

Phase 1 – Textured Drywall, Floor Tiles, and Wood Panel Mastic (Full Containment)

A = 50 x 26 x 9 = 11700 cubic feet
B x C = 22,500
11700 / 22,500 = 0.52

1 NAM required
2 NAM's recommended

3.8 Containment Construction

Containments for the asbestos removal shall be constructed in accordance with CDPHE Regulation 8 and this project design. Danger signs will be posted at ingress locations, and approaches to locations, where airborne concentrations of asbestos exceed or can reasonably be expected to exceed the PEL. Signs will be posted at a distance sufficiently far from the

work area to permit an employee to read the sign and take the necessary protective measures to avoid exposure. Additional signs may need to be posted following construction of workplace containment barriers.

Danger signs will include the following wording:

DANGER
ASBESTOS
CANCER AND LUNG DISEASE HAZARD
AUTHORIZED PERSONNEL ONLY
RESPIRATORS AND PROTECTIVE CLOTHING ARE REQUIRED IN THIS AREA

3.9 Set up of work areas

Full Containment Components

2"x 4"s wood studding can be used as temporary framing and 4'x 8'x1/2" plywood sheets to support any exterior containment systems; this may include tie wires also where needed. 1 layer of 10 mil re-enforced poly sheeting will be utilized for any exterior critical barriers, negative air machines will be installed once the poly sheeting is installed. A full 3 stage decontamination unit equipped with hot and cold water, shampoo, disposable towels, and a 2 stage water filtration unit filter all water to 5 micron, prior to being discharged into the sanitary sewer system. Two layers of 4 mil poly sheeting will be installed within the 10 mill critical poly sheeting barriers as exterior walls and ceiling if needed. 2 layers of 6 mill poly sheeting will be placed on floors. View ports will be installed where appropriate with a minimum of 12" x 12" Plexi™ glass and or exterior windows.

Air flow testing utilizing smoke tubes will be performed to validate air flow direction and air exchanges.

Pre-Cleaning Activities

Pre-cleaning activities will be performed in accordance with CDPHE Regulation 8. All workers performing pre-cleaning must utilize HEPA equipped vacuums and wet methods. Any prepping activities that will contact non-friable ACM, or be within arms' reach of friable ACM must be accomplished by workers utilizing PPE.

3.10 Asbestos Removal

Removal of materials containing asbestos and contaminated with asbestos shall be performed in accordance with the Colorado Department of Public Health and Environment Regulation 8 III, Abatement, Renovation and Demolition Projects and this project design.

3.11 Asbestos Spill Response

In the event of a spill or a breach of the regulated work area containment, follow procedures in Section III.T. of Regulation No. 8, which includes cleaning the area outside the regulated work area. Visible debris shall be cleaned utilizing HEPA vacuuming and wet wiping plus an additional 10 horizontal feet beyond the visible debris. All filters, mop heads, and cloths utilized during clean-up activities shall disposed of as asbestos contaminated waste in leak tight containers.

The GAC shall have available, equipment and supplies (HEPA filtered vacuum, airless sprayer with amended water, mops, rags, polyethylene sheeting, duct tape, caution tape…) for spill response in the event of accidental spill of materials containing asbestos.

In the event of an asbestos spill outside the work area containment the GAC shall:

- Make appropriate notices based on size of spill.
- Immediately wet the spilled material and surrounding area with the airless sprayer.
- Restrict access to the spill area and post warning signs to prevent entry to the area by persons other than those necessary to respond to the incident.
- Seal all openings between the contaminated and uncontaminated areas as directed by the asbestos consultant. This is to be accomplished by using polyethylene sheeting and tape.
- HEPA vacuum and wet clean all surfaces in the contaminated area.

Following completion of the above, the on sight Air Monitoring Specialist shall conduct a visual assessment of the spill area to confirm adequate cleaning has been accomplished by the GAC.

3.12 Asbestos Waste Transportation, Storage, and Disposal

All ACM waste must be wrapped in two layers of 6 mil polyethylene sheeting or double-bagged in 6 mil polyethylene bags labeled with the appropriate OSHA label for asbestos and must also bear the generator label as required by EPA's 40 CFR 61 Subpart M NESHAP Standard. Containerizing and transport of asbestos wastes shall be in accordance with applicable federal and state regulations.

The existing installed building finishes, hardscaping and landscaping shall be protected from damage by the GAC, until completion of all works.

Safety scaffolding, rubbish skips, access ladders etc. shall be approved by the client and in accordance with the current Health and Safety regulations.

GAC workers will not drag or drop packaged waste. All waste equipment and materials will be hand carried, or transported in wheeled carts to waste transport vehicles.

All packaged asbestos waste shall be directly loaded from the work area onto a 6mil polyethylene lined enclosed truck or dumpster container for disposal. No waste material may be temporally stored in the building or the work area containment.

Waste Disposal:

All waste containers shall be transported from the permitted work areas to an approved disposal land fill by the GAC (Denver Aurora Disposal Site).

Waste Transporter:

By 5280 Waste Solutions.

3.13 Final Clean/ Final Visual Inspection Criteria

All interior surfaces of the work area will be free of visible dust and debris. The work area must pass a final visual inspection by a CDPHE Certified Air Monitoring Specialist (AMS) leaving only critical barriers in place.

3.14 Final Air Clearance Monitoring

Clearance criteria for this containment shall be in accordance with CDPHE Regulation #8, Section III.P

For each work area within the project where the amount of ACM is:	State-Permitted Project in Non-School Building	
	Minimum # of samples to clear each of the following:	
	Work Area	Project
Less than 3 square feet/3 linear feet	1	5
From 3 square feet/3 linear feet up to 32 square feet/50 linear feet/volume equivalent of a 55-gallon drum	2	5
Greater than 32 square feet/50 linear feet/volume equivalent of a 55-gallon drum up to 160 square feet/260 linear feet/volume equivalent of a 55-gallon drum	5	5
Greater than 160 square feet/260 linear feet/volume equivalent of a 55- gallon drum	5	5

Upon notification that clearance monitoring levels are acceptable, the GAC may remove critical barriers and demobilize from the work area. If any samples collected for the final air test exceeds (0.01 fibers per cubic centimeter, 0.01 f/cm^3 for PCM using the NIOSH Method 7400 or 70 structures per square millimeter (70 s/mm^2) as analyzed by the TEM method in 40 C.F.R. Part 763 Appendix A to Subpart E (EPA 1995) the entire work area shall be re-cleaned immediately upon receipt of air test results.

Any failed abatement work area shall be re-tested and the costs associated for additional Final Clearance Air Monitoring shall be borne by the GAC at no additional cost to the Owner.

3.15 Personal Exposure Air Monitoring

The GAC shall be responsible for conducting personal exposure air-monitoring as applicable in accordance with OSHA 29 CFR 1926.1101 Asbestos Construction Standard. Contractor to supply results to personnel and will post results onsite.

3.16 Electrical Hazards Control

All electrical power utilized during the project will be on ground fault circuit interrupters (GFCI) whose power source is located outside the work area.

3.17 Emergency Egress and Fire Protection

The abatement contractor shall abide by the emergency egress rules for the facility. All contractor personnel shall receive emergency procedure orientation specific to the facility prior to initiation of abatement activities.

3.18 Fire Protection Plan

1. No items capable of initiating or sustaining combustion (lighters, matches, torches, etc.) will be allowed in containment.
2. The use of flammable liquids is not permitted.

3. Any electricity utilized must be on Ground Fault Circuit Interrupters (GFCI).
4. A minimum of one, 2A: 20B: C rated fire extinguishers will be maintained on-site. There must be available at least one 2A: 20B: C rated fire extinguisher within a maximum travel distance of 10 feet from any point in the work area.
5. Workers will be trained in the use of fire extinguishers, emergency egress plans, basic fire safety, and emergency reporting procedures prior to work beginning.
6. All emergency exits will be labeled as such with tools available for breaching poly and keys in door locks where necessary.
7. The Contractor must implement an emergency action and fire prevention plan in accordance with 29 CFR 1910.38 Employee emergency plans and fire prevention plans.

3.19 Fall Protection

The GAC shall provide proper fall protection and training for their employees when working above 6 feet of height in accordance with Occupational Safety and Health Administration 29 CFR Part 1926 Subpart M Fall Protection.

3.20 Respiratory Protection / PPE

The GAC shall provide proper respiratory protection for their employees with NIOSH approved HEPA filters during all pre-clean, abatement removal, waste load out procedures and during waste lift operations for effected employees. The GAC shall provide proof of medical fitness to wear respiratory protection and current fit testing documentation for all employees.

3.21 Work Area Protection

The GAC shall repair or replace, to the Owner's satisfaction, any damage caused by the GAC or GAC subcontractors, to existing finishes, landscaping, or other building components.

3.22 Additional PPE

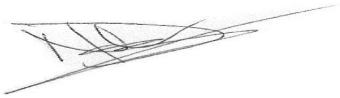
- Hooded Tyvek suits
- Safety Glasses with side shields (exception – not required when wearing a full face respirator).
- Leather Gloves
- Safety toe boots
- Fall Protection as required.
- PPE per MSDS / SDS requirements.

3.23 Pre-Abatement Document Submittal

The GAC shall provide the following submittals to the Owner's Asbestos Competent Person / Safety Department for approval prior to site mobilization.

- ✓ Copies of all worker AHERA / STATE certifications.
- ✓ Copies of all worker asbestos medical evaluations.
- ✓ Copies of all worker respirator fit tests.
- ✓ Copies of MSDS for all chemicals (spray-glue, encapsulant, surfactant etc.) that will be used
- ✓ Asbestos waste receipt / total.

Completed by:



Nicolas D. Vasquez CDPHE Asbestos Project Designer Certificate # 22566

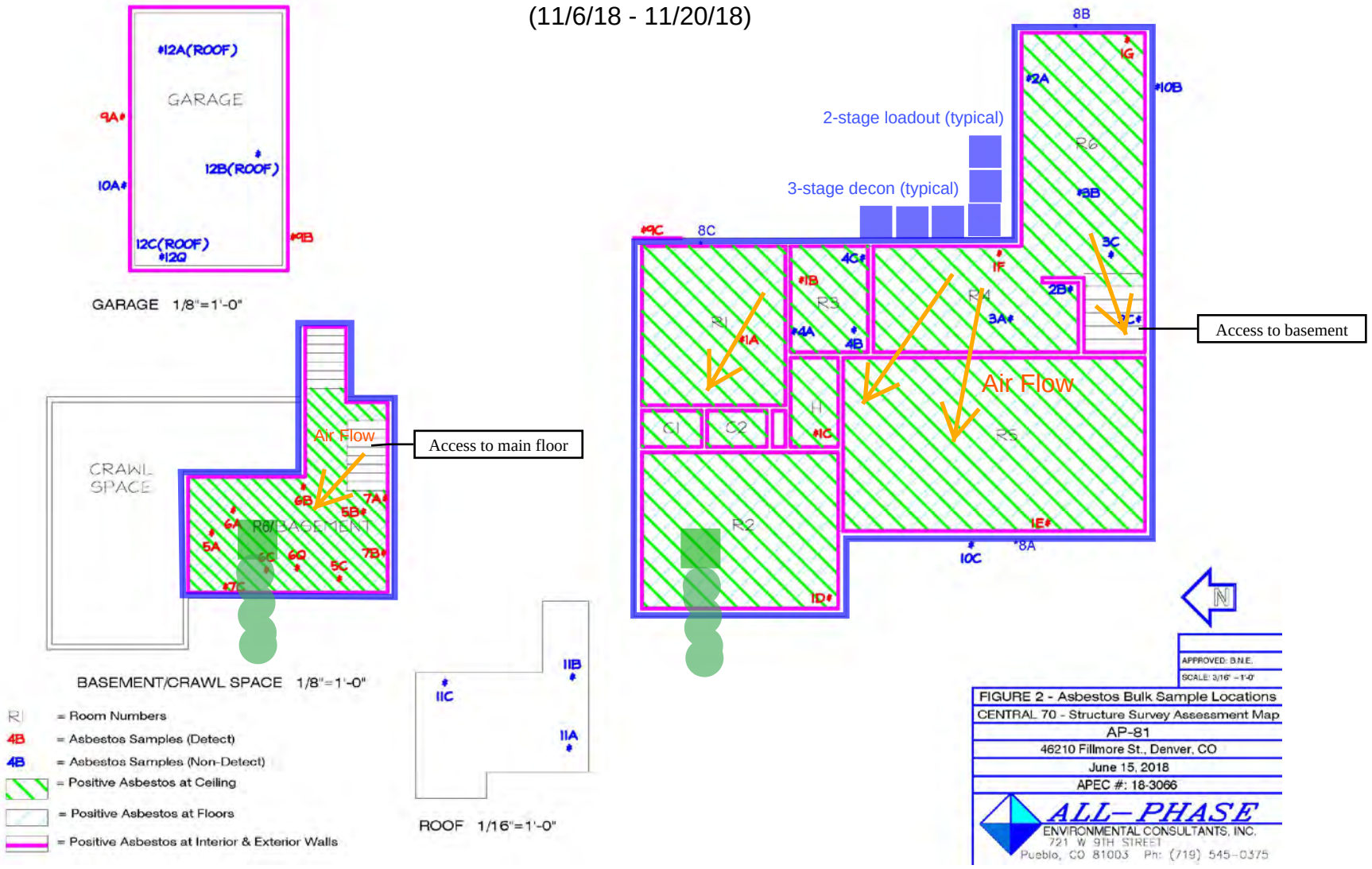
Foothills Environmental Asbestos Consulting Firm CDPHE Registration # 14925

Appendix A

Drawings

ABATEMENT IN FULL CONTAINMENT

(11/6/18 - 11/20/18)



Drawing excerpted from All-Phase Inspection

4620 FILLMORE STREET DENVER, CO (Not to Scale)	FEI Project #AS18207-15	Date: 11/5/18	Figure 1
	Approved by: DMB	Drawn By: NDV	
	Foothills Environmental, Inc. 11099 W 8th Avenue Lakewood, CO 80215	Signature:	CDPHE CERT #22566

Appendix B

Certificates

Colorado Department
of Public Health
and Environment

ASBESTOS CONSULTING FIRM

This certifies that

Foothills Environmental, Inc.

Registration No.: ACF - 14925

has met the registration requirements of 25-7-507, C.R.S. and the Air Quality Control Commission Regulation No. 8, Part B, and is hereby authorized to perform asbestos consulting activities as required under Regulation No 8, Part B, in the state of Colorado.

Issued: January 30, 2018
Expires: January 30, 2019

Authorized APCD Representative

SEAL

Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Nicolas Vasquez

Certification No.: 22566

has met the requirements of 25-7-507, C.R.S. and Air Quality Control Commission Regulation No. 8, Part B, and is hereby certified by the state of Colorado in the following discipline:

Project Designer*

Issued: **February 08, 2018**

Expires: **February 08, 2019**

**** This certificate is valid only with the possession of a current Division-approved training course certification in the discipline specified above.***

Authorized APCD Representative

SEAL

CHC Training
Nationwide Training & Certification Experts
www.trainingchc.com
303.412.6360
(855) 60.CERTIFY

1775 West 55th Avenue
Denver, CO 80221,
United States of America

CERTIFICATE OF ACHIEVEMENT

This certificate is awarded to:

NICOLAS VASQUEZ

In recognition of satisfactory completion of the EPA-approved annual asbestos refresher training course under section 206 of the Toxic Substance Control Act (TSCA) and Colorado Regulation No. 8 entitled

PROJECT DESIGNER

COURSE DATE:	DECEMBER 21, 2017
EXPIRATION DATE:	DECEMBER 21, 2018
COURSE HOURS:	8.0

Verify Credential

Danaya N. Benedetto
Co-Founder & CEO
Training Program Manager

Credential License ID: 11084750

CHC TRAINING EST. 2007 ACCREDITED ALUMNI — SAFETY, QUALITY, COMPLIANCE, INTEGRITY

Frank Hulce
Instructor

CHC Training Certificate No.
R17-2200-APD-CO

Visit our Website

6c. Pre-Demolition Engineering Survey

ANCHOR
ENGINEERING, INC.
www.anchoreng.com

Pre-Demolition Survey
And General Demolition Plan
For
4620 Fillmore Street
Denver, CO 80216

Engineers: David A. Poe, P.E., S.E.
Glen L. Wilson, E.I.

July 2, 2018
Project No: 180113

❖ 2535 17TH STREET, DENVER, CO 80211 ❖ 303-783-4797 ❖ 303-830-9133 FAX ❖

ANCHOR
ENGINEERING, INC.
www.anchoreng.com

July 2, 2018

Stephen P. Di Nardo
JKS Industries, LLC
747 Sheridan Blvd #9A
Lakewood, CO 80214

Re: 4620 Fillmore Street, Denver, CO 80216
Pre-Demolition Engineering Survey per OSHA 1926.850(a)
And General Demolition Plan

Date of Observation: 06/27/18

Dear Mr. Di Nardo:

At the request of JKS Industries (JKS), a representative from Anchor Engineering, Inc. (AEI) performed a site observation at the above-referenced structure on Wednesday, June 27, 2018.

For the purpose of this report, there are two buildings on the property. The front elevation of the residence faces west and is parallel to Fillmore Street. There is a detached garage at the northeast corner of the property adjacent to the alley. At the time of our visit the buildings were vacant.

The purpose of our site visit was twofold:

1. To give an assessment of the current condition of the structure as it relates to structurally related hazards before the proposed demolition activities. OSHA 1926.850 is stated below, along with project specific applicability to the subject building.

    a. ***OSHA 1926.850(a):*** *Prior to permitting employees to start demolition operations, an engineering survey shall be made, by a competent person, of the structure to determine the condition of the framing, floors, and walls, and possibility of unplanned collapse of any portion of the structure. Any adjacent structure where employees may be exposed shall also be similarly checked. The employer shall have in writing evidence that such a survey has been performed.*

    Project Specific Applicability: The information contained in this report satisfies the requirement of this guideline. The subcontractor shall review this report and make a copy available to all employees on the project at the pre-project meeting, and it shall also be included in the job site books.

    b. ***OSHA 1926.85(b):*** *When employees are required to work within a structure to be demolished which has been damaged by fire, flood, explosion, or other cause, the walls or floor shall be shored or braced.*

    Project Specific Applicability: 4620 Fillmore Street, Denver, CO 80216 has not been damaged by any fire, flood, explosion, or any other event. Therefore, no shoring or bracing is required.

    c. ***OSHA 1926.850(c):*** *All electric, gas, water, steam, sewer, and other service lines shall be shut off, capped, or otherwise controlled, outside the building line before demolition work is started. In each case, any utility company which is involved shall be notified in advance.*

    Project Specific Applicability: The contractor and subcontractor will ensure all electric, gas, water, steam, sewer, and other services are to be cut off prior to any work being performed. Contractor shall confirm with KMP through the pre-demolition check list and present the necessary information in the pre-demolition meetings.

d. ***OSHA 1926.850(d):*** *If it is necessary to maintain any power, water or other utilities during demolition, such lines shall be temporarily relocated, as necessary, and protected.*

Project Specific Applicability: The demolition of 4620 Fillmore Street, Denver, CO 80216 does not require any power, water or other utilities.

e. ***OSHA 1926.850(e):*** *It shall also be determined if any type of hazardous chemicals, gases, explosives, flammable materials, or similarly dangerous substances have been used in any pipes, tanks, or other equipment on the property. When the presence of any such substances is apparent or suspected, testing and purging shall be performed and the hazard eliminated before demolition is started.*

Project Specific Applicability: All types of hazardous chemicals, gases, explosives, flammable materials, or other dangerous substances shall be removed from the structure prior to demolition as part of the pre cleaning phase during the environmental remediation. All materials are to be documented, manifested, and included in the environmental close out documents.

f. ***OSHA 1926.850(f):*** *Where a hazard exists from fragmentation of glass, such hazards shall be removed.*

Project Specific Applicability: All hazards from fragmentation of glass shall be removed in the normal course of demolition.

g. ***OSHA 1926.850(g):*** *Where a hazard exists to employees falling through wall openings, the opening shall be protected to a height of approximately 42 inches.*

Project Specific Applicability: No employees are permitted to enter the structure once demolition begins. Rule applies to interior demolition.

h. ***OSHA 1926.850(h):*** *When debris is dropped through holes in the floor without the use of chutes, the area onto which the material is dropped shall be completely enclosed with barricades not less than 42 inches high and not less than 6 feet back from the projected edge of the opening above. Signs, warning of the hazard of falling materials, shall be posted at each level. Removal shall not be permitted in this lower area until debris handling ceases above.*

Project Specific Applicability: No employees are permitted to enter the structure once demolition begins. Rule applies to interior demolition.

i. ***OSHA 1926.850(i):*** *All floor openings, not used as material drops, shall be covered over with material substantial enough to support the weight of any load which may be imposed. Such material shall be properly secured to prevent its accidental movement.*

Project Specific Applicability: The building is a single story structure. Refer to the demolition sequencing section of this report for further information.

OSHA 1926.850(j): *Except for the cutting of holes in floors for chutes, holes through which to drop materials, preparation of storage space, and similar necessary preparatory work, the demolition of exterior walls and floor construction shall begin at the top of the structure and proceed downward. Each story of exterior wall and floor construction shall be removed and dropped into the storage space before commencing the removal of exterior walls and floors in the story next below.*

Project Specific Applicability: The building is a single story structure. Refer to the demolition sequencing section of this report for further information.

j. ***1926.850(k):*** *Employee entrances to multistory structures being demolished shall be completely protected by sidewalk sheds or canopies, or both, providing protection from the face of the building for a minimum of 8 feet. All such canopies shall be at least 2 feet wider than the building entrances or openings (1 foot wider on each side thereof), and shall be capable of sustaining a load of 150 pounds per square foot.*

Project Specific Applicability: Not applicable. Building is a single story structure. No employees are permitted to enter the structure once demolition begins.

2. Provide a general outline of the demolition procedures and sequence that is proposed to be used in the demolition of the subject structure. These outlined procedures/sequences are subject to change by AEI and/or the demolition contractor based on the observed response of the structure overall and components thereof during actual demolition operations.

No architectural or structural drawings were provided for our review.

The residence is a single-story residential structure and is assumed to be founded on a spread footings. The structure has a partial basement with concrete foundation walls. The residence is approximately 34'x39' with the long direction oriented east to west. The wall and roof framing is assumed to be composed of dimension lumber framing. The detached garage is approximately 14'x25' with the long direction oriented east to west. It has wood-framed exterior walls roof rafters with a concrete foundation and slab on grade floor. A shed is attached along the east side that is approximately 6'x14'. It is a wood-framed structure with no visible foundation.

Existing Condition Observation

During our site visit we made visual observations around the building perimeters only. The structures were partially exposed in some areas. All of the existing structural systems that were exposed to view appeared to be in good condition. We saw no evidence of noteworthy structural distress. It is our professional opinion that the possibility of un-planned collapse of any portion of the existing structures is very low. Workers may be allowed in the buildings to prepare them for demolition with such activities as removal of materials or other work that does not involve activities that affect existing structural systems.

Outline of Proposed Demolition Procedures, Equipment, and Sequence

Equipment

We anticipate demolition for this structure to be completed with heavy equipment including:

- "Track-hoe" excavators capable of reaching structural elements to be demolished. Excavators may be equipped at times with buckets/grapples, hydraulically actuated demolition hammers or shears, and other custom extensions for demolition and/or holding elements for temporary stability.
- Small skid steer loaders may also be utilized from time to time during demolition

Demolition Sequencing

General

After the commencement of demolition with heavy equipment, by necessity, structural systems from this point forth will be destroyed. Demolition should proceed as fast as practical until the structure is demolished in its entirety. The lateral stability of the buildings are provided by the perimeter wood-framed walls.

During demolition operations, care must be taken to protect and prevent damage to any active or live utilities both above and below ground.

During demolition, water will be used to wet down the area that is being demolished prior to starting the demolition. During the demolition process a water spray will be used to minimize the fugitive particulate matter emissions. The ground will be

sprayed with water either by water truck or some type of water spray to minimize fugitive particulate emissions from haul trucks and demolition equipment.

Sequence

The residence superstructure may be collapsed into the basement/crawlspace starting at either the northeast or northwest sides of the building and proceeding thru the length of the building to the south. Do not drive equipment on to the building footprint until the structure has been collapsed. The detached garage shall be demolished starting from the east side and proceeding to the west. The alley will require temporary closure during demolition procedures to prevent public endangerment. The north side of the residence is in close proximity to the north property line. The property located to the north was not scheduled for demolition at the time of our observation. The south side of the garage is in close proximity to the south property line. The property to the south is also scheduled for demolition. Once the roof, wall, and floor systems are demolished, the slab on grade and foundations can be removed in any sequence.

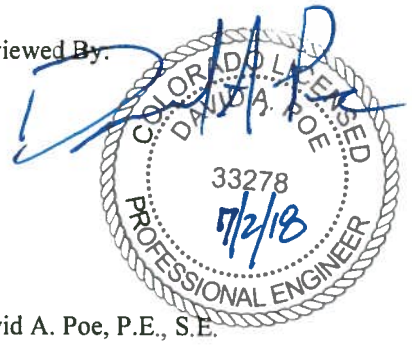
Closing

This report constitutes an engineering review and summary of the pre-demolition condition of the structural systems of the subject buildings as well as a general outline of demolition procedures and sequencing. Note that the conclusions drawn are based on visual observations and our expertise and experience with structural engineering of building structures. Unless noted otherwise, no non-destructive or destructive testing of any kind was performed, nor was any formal engineering analysis completed. These procedures/sequences outlined herein are subject to change by AEI and/or the demolition contractor based on the observed response of the structure overall and components thereof during actual demolition operations. Anchor Engineering, Inc. shall be held harmless for damage of any kind to surrounding structures or property or for injury of any kind to any person or persons. The demolition contractor is responsible for jobsite safety. The conclusions presented in this report are based on conditions noted at the time of the observation. Commentary or recommendations regarding environmental issues are beyond the scope of this report. Should questions arise, or if further information is required regarding the content of this report, please contact our office.

Sincerely,
Anchor Engineering, Inc.

Glen L. Wilson, E.I.
Design Engineer

Reviewed By:



David A. Poe, P.E., S.E.
Principal

7. Asbestos Clearance Report

ALL-PHASE
ENVIRONMENTAL CONSULTANTS, INC.

December 7, 2018

Interior Air Monitoring Clearance

Re: AP-81
4620 Fillmore Street
Denver, Colorado 80216

To Whom It May Concern:

On, December 6, 2018, Logan Greenfield, Colorado Certified Asbestos Building Inspector and Colorado Air Monitoring Specialist with All-Phase Environmental Consultants, Inc. (APEC), conducted Air Monitoring clearances at the above referenced Subject Property. A visual inspection and air samples were collected inside the abatement containment to ensure that the asbestos fiber counts are below the regulated standard to guarantee this area is safe to re-occupy.

The Containment Air clearance consisted of five (5) 0.08um sampling cassettes, five (5) 1-16 liter per minute pumps, along with Six (6) 20-inch box fans and a one-horse power leave blower used to perform an aggressive clearance of the containment. ***All-Phase Environmental is an approved and certified Colorado Department of Public Health and Environment asbestos laboratory.***

Microscopic inspection of the above mentioned five samples were conducted in the All Phase Environmental PCM laboratory. This inspection verified that ALL the samples taken were at or below 0.01 fiber per cubic centimeter as required by the Colorado Department of Public Health and Environmental standard for a safe room or area. See Lab analytical results attached to this document.

Based on the visual inspection and the analytical results, this area is considered safe to re-occupy.

APEC will not be held responsible for the mishandling of the information contained herein, and/or any items found after December 6, 2018
.

Please feel free to call with any questions and or concerns.

Sincerely,

Logan Greenfield
Colorado Certified Asbestos Inspector and AMS - 20715

ALL-PHASE
ENVIRONMENTAL CONSULTANTS, INC.
AllPhaseEnvironmental.com
719-545-0375

721 W. 9th Street
Pueblo, CO 81003
http://www.allphaseenvironmental.com
AIHA 214132/CDPHE AL-15979

APEC Project No.:
18-3256(13)
Customer ID:

Attn: JKS

Phone:
Email:
Received: 12/6/2018
Analysis Date: 12/6/2018
Customer Project Ref.: 4620 Fillmore AP 81
Sample Date: 12/6/2018

Sample ID	Location	Volume (Liters)	Fibers	Fields	Fibers/mm^2	Fibers/cc	Type of Sample
AP81-1	Room 6	976	8	100	9.8	.004	air
AP81-2	Room 5	976	13	100	15.9	.006	air
AP81-3	Room 2	1024	10	100	12.2	.005	air
AP81-4	Room 1	1008	16	100	19.6	.007	air
AP81-5	Room 6 Basement	1104	9	100	11.0	.004	air
AP81-6	blank	blank	0	100	0	0	Blank
AP81-7	blank	blank	0	100	0	0	Blank

The results reported have been blank corrected as applicable.

Fiber Count by Phase Contrast by Phase Contract Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94

Analyst(s) Logan Greenfield

Richard Ralston

Richard Ralston, Laboratory Director
or other approved signatory

THIS IS THE LAST PAGE OF THE REPORT

Colorado Department
of Public Health
and Environment

ASBESTOS LABORATORY

This certifies that

All Phase Environmental Consultants, Inc.

Registration No.: AL - 24462

has met the registration requirements of 25-7-507, C.R.S. and the Air Quality Control Commission Regulation No. 8, Part B, and is hereby authorized to perform asbestos laboratory testing activities, as required by Regulation No 8, Part B, in the state of Colorado.

Issued: April 20, 2018
Expires: April 20, 2019

Authorized APCD Representative

SEAL

8. Materials Summary

January 22, 2019

Megan Wood
Kiewit Infrastructure Co.
160 Inverness Drive West, Suite 110
Englewood, CO 80112

RE: AP-81 4620 Fillmore St. – Summary of Removed Materials

Dear Megan,

Below is a summary of the materials removed from 4620 Fillmore St. For more details regarding the location of the Asbestos Containing Materials (ACM) and the asbestos content please refer to the Table 3-1A of the All-Phase Environmental SSAR (Page 16).

Material Removed	**Quantity**
Asbestos Containing Textured Drywall	2350 SF
Asbestos Containing VAT	200 SF
Asbestos Containing Wood Panel Mastic	175 SF
Asbestos Containing Transite Panels	608 SF
Regulated Building Materials	3 Lightbulbs, 1 Gallon Latex Paint, 1 Fire Alarm
Clean Demolition Debris	529,200 lbs

If you have any questions or require further information regarding these quantities, please contact me at 303-238-0207.

Sincerely,
JKS Industries, LLC

Jeffrey Knight
President

9. Waste Manifests

9a. Asbestos Waste Manifests

CWM

WM ASBESTOS NESHAP WASTE SHIPMENT RECORD

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
N / A		800-424-9300	2234868

GENERATOR

5. Generator's Name and Mailing Address
COLORADO DEPARTMENT OF TRANSPORTATION
747 SHERIDAN BLVD UNIT 9A
LAKEWOOD CO 80214
Generator's Phone: (303) 512-5900

Generator's Project Address (if different than mailing address)
AP-81
4620 Fillmore St.
Denver CO 80216

6. Transporter 1: Complete Company Name and Address
5280 Waste Solutions 605 W 62ND Ave Denver CO 80221
Transporter Phone 7208840300

7. Transporter 2: Complete Company Name and Address
Transporter Phone

8. Designated Disposal Facility Name and Site Address
DENVER ARAPAHOE DISPOSAL
3500 S GUN CLUB RD
AURORA CO 80018
(720) 876-2620
Facility's Phone:

	9. Waste Shipping Name, Description, & Profile Number	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	RQ, NA 2212, Asbestos, 9,PG III 1267750			38		NONE
2.						

13. Regulatory Agency: Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, CO 80222-1530

Emergency Notification:
CHEMTREC (800) 424-9300
24-hour Toll Free Number

14. Bill to & Account Number:
Customer Acct #: D 14925 Customer Name: JKS INDUSTRIES

15. Contractor/Generator Certification:
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/ placarded, and are in all respects in proper condition for transportation and disposal according to applicable national and state governmental regulations.
I hereby certify that the above described waste is not a hazardous waste as defined by federal, state or local regulations and does not contain regulated quantities of PCB's or radioactive materials.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
MEGAN WOOD	annual on behalf of CDOT	11	06	18

TRANSPORTER

16. Transporter Acknowledgement of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Robert K. Sasser		11	27	18
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

17. Special Handling Instructions
Soil originating from the above site shall not be used as daily cover or sold as clean fill.

18. Discrepancy Indication Space:

19. Ticket # 3266893

Initials of Person noting discrepancy _____ Signature _____ Date _____

20. Management Method/Location
Landfill _____ Monofill 6 Location:

21. Designated Disposal Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18

Printed/Typed Name	Signature	Month	Day	Year
Anthony		11	27	18

9b. Regulated Building Materials (RBMs) Waste Manifests

February 14, 2018

CDOT

RE: Regulated Building Materials Manifests in SSCRs

To whom it may concern;

This letter is to explain the "SSCR Tracking Sheet" JKS Industries prepared for the purpose of documenting the manifests for the Regulated Building Materials (RMBs) included in the SSCR's.

The attached table describes how we have batched the RBM manifests per property. Here is a brief description of each grouping:

- Group 1 Independent: Each of the properties in this group has/will have its own RBM manifest. These manifests will be included in the SSCR for each property.
- Group 2 Pilot: The RBMs were removed from these properties and taken to the Pilot Truck Stop (AP-86). The reason for this, is that the volume was so low it was more cost effective just to lump them in with the Pilot RBMs than to have a separate pickup. There is no way to separate the inventories of these properties from the Pilot. The manifest will be included in the SSCR for each property.
- Group 3 Independent: The RBMs for these properties were removed and taken to the JKS warehouse for a single pick-up. A detailed inventory for these properties will be included in the individual SSCRs as well as a copy of the bulk pick-up manifest.
- Group 4 Not Required: The RBMs for these properties were removed prior to Kiewit taking possession of the property. This will be clarified in each individual SSCR for these properties.
- Group 5 AP-122: The RBMs for these properties were taken to AP-122. The reason for this, is that the volume was so low it was more cost effective just to lump them in with the RBMs at AP-122 than to have a separate pickup. An inventory for these properties were taken and will be included in the SSCR along with the RBM manifest.

An indication as to whether or not RBMs were removed will be found in the "Closeout Letter" portion of each SSCR; any additional notes or details will be found in the "Materials Summary" portion. Please reach out to us if you need any further clarification.

Stephen P. DiNardo
Director of Quality Management, JKS Industries

Regulated Building Material Groupings and Aconex Close Out #

Revision Date 2/11/2019

##	Parcel #	Site Address	RBM Groupings					Close Out Documents
			Group 1 Independent	Group 2 Pilot	Group 3 JKS	Group 4 Not Required	Group 5 AP-122	SSCR Aconex #
1	AP-8	4618 High St.			Complete			C70-JKS-ENV-RPT-000014
2	AP-14	4617/4625 Race St.			Complete			Not Demo'd
3	AP-23	4639 Vine St.				Not Required		C70-JKS-PRM-RPT-000012
4	AP-28	4646 Vine St.			Complete			C70-JKS-ENV-RPT-000011
5	AP-33	4637 Claude Ct.		Complete				C70-JKS-ENV-RPT-000002
6	AP-34	4639 Claude Ct.		Complete				C70-JKS-ENV-RPT-000003
7	AP-42	4620 Claude St.				Not Required		C70-JKS-ENV-RPT-000004
8	AP-49	2381 E. 46th Ave.			Complete			C70-JKS-ENV-RPT-000023
9	AP-49A	2381 E. 46th Ave.			Complete			C70-JKS-ENV-RPT-000018
10	AP-53	4608 Josephine			Complete			C70-JKS-ENV-RPT-000015
11	AP-68	4601 Clayton					Complete	SSCR in Process; Due 2/18
12	AP-66	2615 E. 46th	Complete					C70-KIE-ENV-RPT-000004
13	AP-69	4611 Clayton			Complete			SSCR in Process; Due 2/18
14	AP-70	4621 Clayton			Complete			C70-JKS-ENV-RPT-000008
15	AP-72	4550 Clayton			Complete			C70-JKS-ENV-RPT-000021
	AP-72A	2716 E 46th Ave			Complete			C70-JKS-ENV-RPT-000019
16	AP-73	4600 Clayton				None Found		SSCR in Process; Due 2/18
17	AP-74	4610 Clayton				None Found		C70-JKS-ENV-RPT-000025
18	AP-75	4620 Clayton			Complete			C70-JKS-ENV-RPT-000009
19	AP-77	4615 Fillmore			Complete			C70-JKS-ENV-RPT-000012
20	AP-78	4625 Fillmore			Complete			C70-JKS-ENV-RPT-000016
21	AP-79	4605 Fillmore			Complete			C70-JKS-ENV-RPT-000017
22	AP-80	4610 Fillmore			Complete			C70-JKS-ENV-RPT-000024
23	AP-81	4620 Fillmore			Complete			C70-JKS-ENV-RPT-000020
24	AP-83	4625 Milwaukee			Complete			C70-JKS-ENV-RPT-000026
25	AP-86	3223 E. 46th Ave.	Complete					C70-JKS-ENV-RPT-000007
26	AP-86B	3455 E. 46th Ave.	Complete					C70-JKS-ENV-RPT-000005
27	AP-93	3538 E 46th Ave				No Survey		On Hold till 2020
28	AP-93A	3600 E 46th Ave Office				No Survey		On Hold till 2020
29	AP-102	4625 Colorado Blvd	Complete					Not Demo'd
30	AP-109E	5125 E. Stapleton N. Dr.	Complete					Demolition in Process
31	AP-109W	5175 E. Stapleton N. Dr.	Complete					Demolition in Process
32	AP-122	5601 E. Stapleton N. Dr.					Complete	On Hold till 2020
33	AP-185	4542 Filmore			Complete			C70-JKS-ENV-RPT-000010
34		Pump House						C70-JKS-ENV-RPT-000013

Group Details:

Group 1: Each property will have it's own individual RBM manifest

Group 2: RBMs from these properties went to the Pilot (AP-86) and will be on the Pilot Manifest

Group 3: RBMs for these properties were picked up in bulk. Refer to materials summary for detail on the actual RBMs removed for each property

Group 4: RBMs for these properties were either removed by Kiewit ("Not Required"), none were found ("None Found"), or the survey has not been released yet ("No Survey")

Group 5: RBMs from these properties went to AP-122 and will be on the manifest for AP-122

WASTE BILL OF LADING & CERTIFICATE OF RECYCLING

BOL#: 27201

X Universal Waste	____4' Jumbo ____4' Box ____8' Jumbo ____8' Box
____ TSCA Waste	____ HID Box ____ Battery Box ____6.5 Gallon Pale
____ Special Waste	____ 14-G PD ____ 30-G PD ____55-G PD ____ CY Bx
	____ 95-G PD ____ 55-G SD ____ 85-G SD ____ GL Box

P/U Fees: $25__$30__$40__$45__$55__
$65__$75__$85__$95__$105__
$115__$125__$135__$145__$155__
Labor Charges: $ _____
Off Spec. Charge: $ _____

Shipment Date: 11/6/18

Generator Of Waste:

Name:
Address:
City, State, Zip:
Contact:
Phone: Fax:
PO# Job#

Bill To: JKS Ins

Name: JKS Industries
Address: 747 Sheridan Blvd.
City, State, Zip: Lakewood Co. 80214
Contact: Jeff Knight
Phone: 720-402-4410 Fax:
PO# Job#

Emergency Contact
(877) 331-2149
Extension 4

WASTE BROKERAGE FACILITY:

X R8E, LLC
4810 Newport Street
Commerce City Colorado 80033-2244
(p) 303-424-4887 (f) 303-424-9193
Email: Mike@R8Enviro.com
www.R8Enviro.com

EPA ID#: COR000231449
Destination Facility For Universal Waste
Large Quantity Handler of Universal Waste
Hazardous Waste Transporter/Transfer Facility
Used Oil Transporter/Transfer Facility
US DOT #: 050108 550 051Q HMP-20746
US DOT #1781660 CO TSCA - EPA Approved PCB Handler

Container Count	Container Type	Waste Common Name	DOT Description	Total Quantity	Unit / Wt. Volume
		4' & UNDER FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
2	CF	5' & OVER FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))	12	ea.
		UTUBE FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
		CIRCULAR FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
1	CF	COMPACT FLUORESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))	49	ea
		HID MERCURY/HALIDE/SODIUM LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))	24	ea
		SHIELD/COATED/GROOVED LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
		INCANDESCENT LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))	36	ea.
		UV/ARC/IGNITRON LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
		BROKEN LAMP/S RECYCLING	Non-DOT Regulated (per 49 CFR 173.164(e))		
		CRUSHED FLUORESCENT LAMP/S RECYCLING (processed)	Non-DOT Regulated (per 49 CFR 173.164(e))		
		PCB WASTE RECYCLE/INCINERATION/MICROENCAP	RQ, UN3432, Polychlorinated biphenyls, Solid, 9, PGIII, ERG#171		
		NON-PCB BALLAST RECYCLE/MICROENCAPSULATION	Non-RCRA / Non-DOT Regulated Waste		
		ESCRAP RECYCLING	Non-DOT Regulated	110	P
		MERCURY DEVICE RECYCLING	UN3506, Mercury Contained in Manufactured Articles, 8 (6.1), PGIII, ERG#172		
		LEAD ACID BATTERY RECYCLING	UN2794, Batteries, Wet Filled w/ Acid, 8, PGIII, ERG#154		
		ALKALINE BATTERY RECYCLING	Batteries, Dry, sealed, n.o.s. Specail Provision 130		
		NICKEL (Ni-Cad) BATTERY RECYCLING	Batteries, Dry, sealed, n.o.s. Specail Provision 130		
		LITHIUM METAL BATTERY RECYCLING - DOT 173.185(d)	UN3090, Lithium Batteries, 9, PGII, ERG#138		
		LITHIUM Ion BATTERY RECYCLING - DOT 173.185(d)	UN3480, Lithium Batteries, 9, PGII, ERG#138		
		WASTE OIL RECYCLING	Special Waste Liquid	1	GAL
		WASTE GLYCOL RECYCLING	Special Waste Liquid		
		WASTE AEROSOLS	UN1950,Aerosols,Flammable,2.1,ERG#126		
71	Gallons	WASTE LATEX PAINT	Special Waste Liquid	71	GAL
		LOW RADIATION CONTAINING SMOKE DETECTORS	Special Waste Solid, Nuclear Regulatory Law 10 CFR 32.37		
		FIRE EXTINGUISHER(S)	Special Waste Solid		
		METALS RECYCLING	Special Waste Solid		
		MISCELLANEOUS RECYCLING 3 Microwaves			
		MISCELLANEOUS RECYCLING 6 Lrg Fridges		6	ea.

Generator Certification: **This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transpotation.**

Unpaid invoices will be assigned to a licensed Collection Agency and subject to Collection Agency Fee's, Attroney's Fee's, Court Costs and Interest.

Signature: _____ Title: Operator Print Name: Jesus Cusado Date: 11-6-18

Transporter 1 Name: Jesus Cosado
Phone Number: 720-245-1685
Signature _____ Date 11-6

Transporter 2 Name: _____
Phone Number: _____
Signature _____ Date _____

Receiving, subject to the classification and regulations in effect on the date of issue of the Bill of Lading, the property described above is in apparent good order. Please retain a copy of this document as the ***"Certification of Recycling"*** for the items and quantities listed above.

Signature _____ Date 11/6/18

10. Weight Tickets

10a. Daily Load Trackers and Associated Truck Tickets

JKS INDUSTRIES
Environmental Abatement Services

Daily Load Tracker

Date: 12-14-18 Project: AP-81 Prepared By: Jesus Rascado

Arrival Time		Departure Time		Load #	Truck #	Material Code	Description	Tons/Yards	Dump Site	Dump Site Ticket Number
9:55	am / pm	10:10	am / pm	1	CH333	trash	Demo debris	18 yds	Dads	
10:10	am / pm	10:25	am / pm	2	CH575	trash	Demo debris	18 yds	Dads	
12:25	am / pm	12:40	am / pm	3	CH333	trash	Demo debris	18 yds	Dads	
1:00	am / pm	1:35	am / pm	4	CH575	trash	Demo debris	18 yds	Dads	
2:20	am / pm	2:35	am / pm	5	CH333	trash	Demo debris	18 yds	Dads	
2:55	am / pm	3:30	am / pm	6	CH575	trash	Demo debris	18 yds	Dads	
7:00	am / pm	7:30	am / pm	7	CH333	trash	Demo debris	18 yds	Dads	
9:25	am / pm	9:40	am / pm	8	CH575	trash	Demo debris	18 yds	Dads	
10:30	am / pm	11:40	am / pm	9	CH333	trash	Demo debris	18 yds	Dads	
11:40	am / pm	11:55	am / pm	10	CH575	trash	Demo debris	18 yds	Dads	
1:45	am / pm	2:00	am / pm	11	CH333	trash	Demo debris	18 yds	Dads	
2:05	am / pm	2:20	am / pm	12	CH575	trash	Demo debris	18 yds	Dads	
7:40	am / pm	8:00	am / pm	13	CH333	trash	Demo debris	18 yds	Dads	
8:00	am / pm	8:15	am / pm	14	CH2302	trash	Demo debris	18 yds	Dads	
9:45	am / pm	10:00	am / pm	15	CH333	trash	Demo debris	18 yds	Dads	
10:10	am / pm	10:25	am / pm	16	CH2302	trash	Demo debris	18 yds	Dads	
11:40	am / pm	11:55	am / pm	17	CH333	trash	Demo debris	18 yds	Dads	
12:00	am / pm	12:15	am / pm	18	CH2302	trash	Demo debris	18 yds	Dads	
1:30	am / pm	2:20	am / pm	19	CH333	trash	Demo debris	18 yds	Dads	
2:30	am / pm	3:05	am / pm	20	CH2302	trash	Demo debris	18 yds	Dads	
5:30	am / pm	5:55	am / pm	21	CH2302	trash	Demo debris	18 yds	Dads	
	am / pm		am / pm							
	am / pm		am / pm							
	am / pm		am / pm							
	am / pm		am / pm							

AP-81 Trucks

Legend:

Materials:	Description:
R = Recycle	Concrete, Asphalt, Asbestos, Lumber,
T = Trash	Construction Debris, Trash, Metals,

CHACONS
construction & transport

No. 8085

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: JKS const

DISPATCHED BY: Chacons Const

DATE: 12-14-18

JOB DESCRIPTION:

TRUCK # CH333

TANDEM ☐ TRAILER ☑

MATERIAL Dirt

	LOADS	UNLOADS
JOB#	loads ~~#~~	
LOAD AT 4625 fillmore st Denver CO	Dadas	Ap-81
	Dadas	Ap-81
	Dadas	Ap-81
	(4)	
UNLOAD AT Dadas pit		
RATE $		
HOURLY ☐ TONMILE ☐		
START TIME 7:00		
STOP TIME 5:30PM		
TOTAL HOURS	~~AF~~	
10 1/2 hrs		

OWNER OF TRUCK:

DRIVER'S NAME	AUTHORIZED SIGNATURE
Justin Castello	Laura Baez

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

№ 50839

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO: J.F.S.

DISPATCHED BY: Chacon's

DATE 12/14/18

TRUCK # Ch 575

TANDEM ☐ TRAILER ☒

MATERIAL Demo

JOB DESCRIPTION: Demo

	LOADS	UNLOADS
JOB#	1	DADS
LOAD AT Filmore 70 81	1	DADS
	1	DADS.
	1	DADS.
UNLOAD AT DADS		
RATE $		
HOURLY ☐ TONMILE ☐		
START TIME 7:00		
STOP TIME 5:30 PM		
TOTAL HOURS 10½ hrs	MF	

OWNER OF TRUCK:

DRIVER'S NAME: Jose

AUTHORIZED SIGNATURE: [signature]

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACONS
construction & transport

No. 8086

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: JKS Const

DISPATCHED BY: Chacons Const

DATE: 12-17-18

TRUCK # CH 333

TANDEM ☐ TRAILER ☒

MATERIAL Dirt

JOB DESCRIPTION:

	LOADS	UNLOADS
JOB#	loads #	
LOAD AT 4625 Fillmore st Denver CO	8:00 dads	Tp-81
	11:00 dads	Tp-81
	2:01 dads	Tp-81
UNLOAD AT Dads pit		
RATE $		
HOURLY ☐ TONMILE ☐		
START TIME 7:00		
STOP TIME 4:00		
TOTAL HOURS		
9 Hrs ✓	OWNER OF TRUCK:	

DRIVER'S NAME	AUTHORIZED SIGNATURE
Justin Castello	Justin

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

AP-81

CHACONS
construction & transport

No. 11058

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO:	J.M.S.	
DISPATCHED BY:		
DATE: 12/17/18	JOB DESCRIPTION: Demo	
TRUCK # CH575		
TANDEM ☐ TRAILER ☒		
MATERIAL Dems		

	LOADS	UNLOADS
JOB#	1	DADS
LOAD AT Filmore 170	1	DADS
	1	DASD
	1	DASD
UNLOAD AT DADS		
RATE $		
HOURLY ☐ TONMILE ☐		
START TIME 7:00		
STOP TIME 1:30PM		
TOTAL HOURS		
1½ hrs	OWNER OF TRUCK:	

DRIVER'S NAME	AUTHORIZED SIGNATURE
Jose	

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACON'S
construction & transport

№ 41741

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO:	JKS industries inc
DISPATCHED BY:	Chacon's
DATE 12-18-2018	JOB DESCRIPTION: Haul Demo from 46th & Fillmore to DADS
TRUCK # 2302	
TANDEM ☐ TRAILER ☒	
MATERIAL Demo	

	LOADS	UNLOADS
JOB# 18603	08:00 Ap-81	
LOAD AT 4625 Fillmore Denver CO	10:15 Ap-81	
	12:10 Ap-81	
	14:45 Ap-81	
	16:50 Ap-81	
UNLOAD AT DADS	5 Loads	
RATE $		
HOURLY ☒ TONMILE ☐		
START TIME 08:00		
STOP TIME 17:45	5:45	
TOTAL HOURS 9.75 ✓		
	OWNER OF TRUCK: B&M trucking	

DRIVER'S NAME	AUTHORIZED SIGNATURE
Lonnie Hubbard	(MARK KELLEY)

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

CHACONS
construction & transport

No. 8087

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: JMS Const		
DISPATCHED BY: Chacons Const		
DATE: 12-18-18	JOB DESCRIPTION:	
TRUCK # CH333		
TANDEM ☐ TRAILER ☒		
MATERIAL Dirt		

	LOADS	UNLOADS
JOB#	7:40 Dads	Ap 81
LOAD AT 4625 Fillmore St Denver Co	11:00 dads	Ap 81
	2:30 dads	Ap 81
	10:30 dads	Ap 81
UNLOAD AT Dads pit		
RATE $		
HOURLY ☐ TONMILE ☐		
START TIME 7:30		
STOP TIME 4:30 PM		
TOTAL HOURS		
9 hrs	OWNER OF TRUCK:	

DRIVER'S NAME	AUTHORIZED SIGNATURE
Justin Costello	Justin Costello

Net due 30 days from date of this statement. Past due accounts bear interest at 1.5% per month. In the event collection of this account becomes necessary, client agrees to pay all costs and reasonable attorney fees.

10b. Waste Weight Tickets

WASTE MANAGEMENT

2469916

Denver Arapahoe Disposal
3500 S Gun Club , PO Box 460397
Aurora, CO, 80018
Ph: (720) 876-2620

Original
Ticket# 3200134

Customer Name	JKSINDUSTRIESLLC JKS Industri	Carrier	JKS INDUSTRIES JKS INDUSTRIES
Ticket Date	12/14/2018	Vehicle#	1
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0014925
State Waste Code		Gen EPA ID	
Manifest		Grid	
Destination			
PO			
Profile	()		
Generator			

	Time	Scale	Operator	Inbound	Gross	2 lb*
In	12/14/2018 07:10:44	MANUAL WT	aramirez		Tare	1 lb*
Out	12/14/2018 07:10:44		aramirez		Net	1 lb
			* Manual Weight		Tons	

Comments 6 loads on green drop tickets from 12/14/18 = 108cyds total central 70 project

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	CDY-CONST DEBRIS - 100		108.00	Yards				

Total Fees
Total Ticket

402WM-N

Date: 12-14-18 Ticket#: Ap-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS_____ 25 YDS HIGHSIDES_____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature:_____

6 loads x 18 yds per load = 108 cyds total

Date: 12-14-18 Ticket#: Ap-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS_____ 25 YDS HIGHSIDES_____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature:_____

Date: 12-14-18 Ticket#: Ap-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: [signature]

Date: 12-14-18 Ticket#: Ap 81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: Justin Costello

Date: 12-14-18 Ticket#: Ap-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES_____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: [signature]

Date: 12-14-18 Ticket#: Ap-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES_____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: [signature]

WASTE MANAGEMENT

2469956

Denver Arapahoe Disposal
3500 S Gun Club , PO Box 460397
Aurora, CO. 80018
Ph: (720) 876-2620

Original
Ticket# 3280996

Customer Name	JKSINDUSTRIESLLC JKS Industri	Carrier	JKS INDUSTRIES JKS INDUSTRIES
Ticket Date	12/17/2018	Vehicle#	1
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0014925
State Waste Code		Gen EPA ID	
Manifest		Grid	
Destination			
PO			
Profile	()		
Generator			

	Time	Scale	Operator	Inbound		
In	12/17/2018 07:07:27	MANUAL WT	aramirez		Gross	2 lb*
Out	12/17/2018 07:07:27		aramirez		Tare	1 lb*
			* Manual Weight		Net	1 lb
					Tons	

Comments 13 loads for central 70 project = 234 cyds total for loads 12/17/18

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	CDY-CONST DEBRIS - 100		234.00	Yards				

Total Fees
Total Ticket

Driver's Signature

402WM-N

Date: 12-17-18 Ticket#: Ap-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS_____ 25 YDS HIGHSIDES_____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: Joshua Castillo

Date: 12-17-18 Ticket#: Ap-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS_____ 25 YDS HIGHSIDES_____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: _____

Date: 12-17-18 Ticket#: AP-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES_____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: [signature]

Date: 12-17-18 Ticket#: AP-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES_____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: Justin Castelle

Date: 12/7/18 Ticket#: Ap-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES_____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: [signature]

Date: 12/8/18 Ticket#: Ap-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES_____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: Justin Cofflo

WASTE MANAGEMENT

2469984

Denver Arapahoe Disposal
3500 S Gun Club , PO Box 460397
Aurora, CO, 80018
Ph: (720) 876-2620

Original
Ticket# 3281894

Customer Name	JKSINDUSTRIESLLC JKS Industri	Carrier	JKS INDUSTRIES JKS INDUSTRIES
Ticket Date	12/18/2018	Vehicle#	1
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0014925
State Waste Code		Gen EPA ID	
Manifest		Grid	
Destination			
PO			
Profile	()		
Generator			

Volume

	Time	Scale	Operator	Inbound		
In	12/18/2018 06:48:55	MANUAL WT	aramirez		Gross	2 lb*
Out	12/18/2018 06:48:55		aramirez		Tare	1 lb*
			* Manual Weight		Net	1 lb
					Tons	

Comments 14 LOADS IN DROP BOX ON GREEN TICKETS = 252 YDS TOTAL FOR CENTRAL 70 PROJECT 12/18/18

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	CDY-CONST DEBRIS - 100		252.00	Yards				

Total Fees
Total Ticket

402WM-N
Driver's Signature

Date: 12-18-18 Ticket#: Ap-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

14 loads x 18 yds
252 yds Total For all loads

DRIVER

Signature: Lonnie Hubbard Bam Trucking 2302

Date: 12-18-18 Ticket#: Ap-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES _____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: Justin Cosick

Date: 12-18-18 Ticket#: Ap-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES_____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER
Signature: [signature]

Date: 12-18-18 Ticket#: Ap-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES_____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER
Signature: Lonnie Hubbard B&M trucking #2302

Date: 12-18-18 Ticket#: Ap-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES_____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: Lonnie Hibbard Bim trucking #2303

Date: 12-18-18 Ticket#: Ap-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES_____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER

Signature: Justin Castillo

Date: 12-18-18 Ticket#: Ap-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS_____ 25 YDS HIGHSIDES_____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:
Signature: Justin Cosh'd

Date: 12-18-18 Ticket#: Ap-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS_____ 25 YDS HIGHSIDES_____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER
Signature: Lonnie Hubbard B+M trucking #2302

Date: 12-18-18 Ticket#: Ap-81

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

CDY 18 YDS ✓ 25 YDS HIGHSIDES_____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: Lonnie Hubbard BJ-m trucking #2302

11. Dump Diversion Summary

JKS Industries

AP-81: 4620 Fillmore St.

Descriptions		Dump Diversion / Recycle %								
Phase	Activity	Unit of Measure	# of Yards per Container	# of Containers	Total Number of Yards	Pounds Per Yard **	Total Lbs	Recycled Yes/No	Pounds of Recycle or Dump Diversion	% of Recycle or Dump Diversion
Abatement	Trash Rolloff	Cubic Yard	-	-	-	450.00	-			
Abatement	Asbestos Containers	Cubic Yard	-	-	-	500.00	-			
					-		-			
Demolition	Demolition Construction Debris	Cubic Yard	18	21	378.00	1,400.00	529,200			
Demolition	Concrete Debris	Cubic Yard	12	-	-	4,050.00	-	x	-	0.00%
Demolition	Trees	Cubic Yard	-	-	-	500.00	-	x	-	0.00%
Demolition	Steel	Lbs	-	-	-	-	-	x	-	0.00%
Demolition	Copper	Lbs					-	x	-	0.00%
				21	378.00		529,200		-	0.00%

STUDY NOTES

1 The source material used for the Volume to Weight conversions came from Waste Management web site.
2 Conversions ratio's have been modified based on estimated compaction.

12. Containment Entry/Exit Log

**Environmental Projects Only*

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name:

Job #:

Date: 11-08-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Marthe Nahle				
2. Deisy Arellanos	N/A	N/A	N/A	N/A
3. Samira Duran				
4. Juan Carlos Iaccia				
5. Luca Gaspan				
6.				
7.				
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20.				

***Environmental Projects Only*

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AD-81

Job #: 18-386

Date: 11-09-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Wahle				
2. Joan Carlos Lucia				
3. Kamisa Dundon		N/A	N/A	N/A
4. William Glasper				
5.				
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JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AP-81

Job #: 18-0318

Date: 11-12-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Nahle				
2. Karina Duran	N/A	N/A	N/A	N/A
3. Jean Leccia				
4. Deisy Arellanos				
5.				
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***Environmental Projects Only*

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AP-81

Job #: 18-318

Date: 11-13-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Nahle				
2. Juan Carlos Leccia				
3. Ramira Duran	N/A	N/A	N/A	N/A
4. Deisy Arellanos				
5.				
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***Environmental Projects Only*

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AP-81

Job #: 14-318

Date: 11-14-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Dahle				
2. Jean Leccia	12:40	3:35		
3. Deisy Arellanos	12:40	3:26		
4. Ramira Duran	12:40	3:31		
5.				
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***Environmental Projects Only*

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AP-81

Job #: 18-318

Date: 11-15-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Nahle				
2. Deisy Arellanos	8:00	11:57	1:07	5:35
3. Juan Carlos Lezcia	7:45	12:01	1:09	5:30
4. Laura Duran	7:57	12:13	1:09	5:38
5. Jilay Hernije	7:52	12:13		
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***Environmental Projects Only*

JKS INDUSTRIES

Friday

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AP-81

Job #: 18-318

Date: 11-16-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Matthew Noble				
2. Daisy Arellanos	7:45	11:48	1:09	5:22
3. Kelley Armijo	7:49	12:00	1:16	5:27
4. Juan Carlos Lucas	7:50	12:05	1:16	5:30
5. Laura Duran	7:38	11:55	1:05	5:20
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***Environmental Projects Only*

Monday

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AP-81

Job #: 18-318

Date: 11-19-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Nahle				
2. Jean Carlos Lucia	7:50	12:05	1:15	4:25
3. Karina Durán	7:55	12:00	1:05	4:27
4. Deisy Arellanos	8:00	11:55	1:00	4:23
5. LeRoy Armijo	1:30 PM			4:19
6.				
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JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AP-81

Job #: 18-318

Date: 11-20-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Nahle			1400	1600
2. Deisy Arellanos	7:55	11:45	1:08	4:20
3.				
4. Raulo Duran	7:50	11:50	1:05	4:24
5. Juan Carlos	7:45	11:55	1:10	4:28
6. LeRoy Armijo	7:45	12:00	—	—
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JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AP-81

Job #: 18-318

Date: 11-21-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Nahle				
2. Rocelira Duran	8:00 a.m.	11:50	1:00	4:20
3. Jean Carlos Leccia	8:07	11:57	1:05	4:27
4. Deisy Arellanos	8:02	11:54	1:02	4:24
5. LeRoy Armijo	8:10	12:01	1:07	4:31
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JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AP-81

Job #: 18-316

Date: 11-26-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Ybarra				
2. Deisy Arellanos	7:47	11:45	11:55	3:25
3. Laura Duran	7:48	11:49	11:58	3:27
4. Jean Leccia				
5. LeRoy Armijo	7:50	11:55	12:01	3:32
6.				
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JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AP-81

Job #: 18-318

Date: 11-27-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Nahle			1:00	3:20
2. [illegible] Armijo	7:53	12:00	—	—
3. Katrina Duran	7:45	11:48	12:31	3:22
4. Jean Leccia	7:51	11:56	12:33	3:30
5. Daisy Arellanos	7:47	11:52	12:30	3:26
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JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AP-81

Job #: 13-318

Date: 11-28-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Nahle	1:00 p.m.	3:00 p.m.		
2. Leloy Armijo	7:50			9:30
3. Dorsy Arellanes	7:49	11:50	12:28	3:28
4. Laura Durán	7:51	11:53	12:29	3:29
5. Jean Leccia	7:55	11:57	12:32	3:32
6. David Schlotte	7:56	12:01	12:34	3:34
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***Environmental Projects Only*

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AP-81

Job #: 13-318

Date: 11-30-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Nanda				
2. David Schlote	7:45	11:25	11:55	3:25
3. Joan Carlos Lucio	7:47	11:27	11:57	3:27
4. Lauren Divin	7:50	11:30	12:00	3:31
5. Alex Martinez Cornejo			1:30	3:30
6. Deisy Arellanos	7:51	11:31	12:01	3:32
7.				
8.				
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***Environmental Projects Only*

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AP-81

Job #: 13-318

Date: 12-04-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1.				
2. Ramira Duran	RD			
3. Jean Leecia	JC		7:45	11:55
4. Alan Matthew Coronel	AMC		7:47	11:57
5. Gustavo Dominguez	GD			
6. Irina Blanco	IB			
7. Deisy Arellanos	DA			
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***Environmental Projects Only*

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AP-80

Job #: 13-317

Date: 12-05-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Nahle				
2. Ronnie Mejia	12:30	3:20		
3. Alex Martin Gomez	12:32	3:22		
4. Eufiquio Dominguez	12:34	3:24		
5. Irina Blanco	12:37	3:27		
6. Deisy Arellanos	12:36	3:28		
7. Laura Duran	12:39	3:29		
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***Environmental Projects Only*

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AP-81 – AP-80

Job #: 13-318 - 13-317

Date: 12-06-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Nahle				
2. Dennis M	8:30	11:25	12:00	3:25
3. Abe Haro Coronado	8:32	11:27	12:01	3:27
4. Eutiquio Dominguez	8:33	11:28	12:02	3:29
5. Irina Blanco	7:45	9:00	9:10 - 11:29	3:32
6. Daisy Arellanos	7:47	9:02	9:12 - 11:31	3:33
7. Karina Durán	7:49	9:05	9:13 - 11:33	3:34
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13. Daily Logs

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # _____ Job Name: AP-68 - AP-53 - AP66 Report # 1

Date 11-08-18 Day 1 Month 1 Year _____

Project Manager _____ Superintendent Heather Dehle

Work Performed Today

7:00 a.m. Showe up at the property sign in on tablet and book. Continue with our safety meating and stretch.

7:45 a.m. Move in and pre clean

10:00 a.m. Went. To AP-53 to do visual and cleaners

11:30 a.m. Back to AP-68 to pck up all our equipmet to move to ~~the~~ AP-81

12:00 p.m. Go to lunch and comeback at 1230

1230 p.m. Move in to AP-81 and organize equipment and tools

Weather:	35° (clear)
Temp. Hi	Low
Safety Meeting	
Topic:	
Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	3
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity

Material Purchased/Delivered

N/A

Problems - Delays, Safety Issues

We got into the wrong house. "

Subcontractor Progress

N/A

Inspections

N/A

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
N/A	N/A	N/A	N/A	

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
N/A	N/A	N/A

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 18-318 Job Name: AP-81 Report # _____

Date 11-09-18 Day 2 Month 1 Year 1

Project Manager _____ Superintendent [signature]

Work Performed Today

7:00 a.m. Crew showed up on time, sign in on tablet & book. Safety meeting and stretch.

7:45 a.m. Dr clean and set negative air machines, criticals and floors

12:00 p.m. go to lunch and comeback 12:30

12:30 p.m comeback and continue with set up

Weather:	27°
Temp. Hi	39° Low 25°
Safety Meeting Topic:	

Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	3
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity

Material Purchased/Delivered

Problems - Delays, Safety Issues

N/A

Subcontractor Progress

N/A

Inspections

N/A

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
N/A	N/A	N/A	N/A	

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
N/A	N/A	N/A

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 18-0318 Job Name: AP-81 Report # _____

Date 11-12-18 Day 3 Monday Month 1 Year 1

Project Manager _____ Superintendent [illegible]

Work Performed Today

7:00 a.m. Job canceled for weather issues

Weather: 21° F

Temp. Hi 30° Low 18°

Safety Meeting

Topic:

Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	3
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity

Material Purchased/Delivered

Problems - Delays, Safety Issues

N/A

Subcontractor Progress

N/A

Inspections

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
N/A	N/A	N/A	N/A	

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
N/A	N/A	N/A

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 18-318 Job Name: AP-81 Report # _____

Date 11-13-18 Day 4 tuesday Month 1 Year 1

Project Manager _____ Superintendent [signature]

Work Performed Today

7:00 a.m. Crew showed up on time sign in in tablet on books safety meeting and stretch

7:45 a.m. Continue with the full containment getting Load out and Decon ready

- Get water and portail potty

- Water pipe frozen and crack-

Weather:	18°
Temp. Hi 48°	Low 23°
Safety Meeting	
Topic:	

Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	3
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity

Material Purchased/Delivered

Problems - Delays, Safety Issues

Subcontractor Progress

N/A

Inspections

N/A

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
N/A	N/A	N/A	N/A	

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
N/A	N/A	N/A

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 18-318
Date 11-14-18
Job Name: AR 81
Day 5 Miercoles
Month /
Report #
Year /
Project Manager
Superintendent [illegible]

Work Performed Today	Weather: 60°
	Temp. Hi 58° Low 33°
7:00 a.m. crew on time sign in on tablet and book. safety meeting and stretch.	Safety Meeting
	Topic:

Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	3
Tradesmen	
Other:	
Other:	
Other:	

7:45 am. Fixing some flaps and test the Decon for ~~no~~ [illegible] out

line the dumpster and get ready to go hot. but we dont have any water

water tank showd up at 10:00 am with an. empty ~~one~~ Have to wait for Andre or Geo to get me some water.

12:30 got in contaiment and started the demo on main floor.

leave @ 3:30 p.m.

Materials Used	Quantity
N/A	

Material Purchased/Delivered

N/A

Problems - Delays, Safety Issues

Delays — No water.

Subcontractor Progress

N/A

Inspections

N/A

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
N/A	N/A	N/A	N/A	

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
N/A	N/A	N/A

Survey

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 19-318 Job Name: AP-81 Report # _____

Date 11-15-14 Day 6 thursday Month 1 Year 1

Project Manager _____ Superintendent Matthew Dehle

Work Performed Today

7:00 am Crew on time sign in on tablet and book - Safety meeting and stretch

7:45 a.m- Set in containment and start withe the demo on the main floor walls and ceelings

12:00 p.m go to lunch and come back 12:30pm

12:30 Started with the bag out, and more Demo leave at 5:30 p.m.

Weather: 58°

Temp. Hi 59° Low 32°

Safety Meeting

Topic:

Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	4
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity
N/A	N/A

Material Purchased/Delivered

N/A

Problems - Delays, Safety Issues

N/A

Subcontractor Progress

N/A

Inspections

N/A

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
N/A	N/A	N/A	N/A	

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
N/A	N/A	N/A

Vienna

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 18-318 Job Name: AP-81 Report # _____

Date 1-16-18 Day 7th friday Month 1 Year _____

Project Manager _____ Superintendent Matthew Nehls

Work Performed Today

7:00 a.m. Crew on time, sign on tablet and book. Safety meeting and do stretch.

7:45 a.m. Everyone get on containment continue with the demo in front of the kitchen.

12:00 p.m. Go to lunch and come back at 12:30 p.m.

12:30 p.m continue with Demo and send out the bumpers of wood.

Weather:	40°
Temp. Hi 63° Low 36°	
Safety Meeting	
Topic: PPE	
Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	9
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity

Material Purchased/Delivered

Problems - Delays, Safety Issues

Subcontractor Progress

N/A

Inspections

N/A

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
N/A	N/A	N/A	N/A	

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
N/A	N/A	N/A

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 18-318 Job Name: AP-8 Report # 1
Date 11-19-18 Day 8th day Monday Month 1 Year 1
Project Manager _____ Superintendent Matthew Dobbs

Work Performed Today

7:00 a.m. Crew got to the Jobsite in time. Sign on tablet and books. Safety meeting and Streeh

7:45 am Crew got ready for containment and continue with Demo and bag out.

12:00 p.m Go to lunch and comeback at 12:30 p.m.

12:30 pm continue with the bag out.

Weather: 32°
Temp. Hi 48° Low 28°
Safety Meeting
Topic:

Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity

Material Purchased/Delivered

Problems - Delays, Safety Issues

N/A

Subcontractor Progress

N/A

Inspections

N/A

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
N/A	N/A	N/A	N/A	

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
N/A	N/A	N/A

Notes

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 18-315 Job Name: AP-81 Report # _____

Date 11-20-25 Day 9th day tuesday Month 1 Year 1

Project Manager Ruben Superintendent Martha Dahle

Work Performed Today

7:00 a.m. - Crew showed up in time. Sig in on tablet and book, Safety meeting and finish with stretch.

7:45 a.m. - Guys got ready to go in Containment to keep on going with demo.

12:00 p.m. - Go to lunch and comeback 12:30

12:30 p.m. - Get back in containment and finish withe the floor tile and started the detail on the main floor.

Weather:	50°
Temp. Hi 57° Low 30°	
Safety Meeting	
Topic: PPE	
Work Force	**Number**
Project Manager	
Project Supervisor	1
Operators	
Laborers	4
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity

Material Purchased/Delivered

Problems - Delays, Safety Issues

N/A

Subcontractor Progress

N/A

Inspections

N/A

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
N/A	N/A	N/A	N/A	

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
N/A	N/A	N/A

Mercedes

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 18-318 Job Name: AP-81 Report # 1

Date 11-21-18 Day ~~Wednesday~~ day 10 Month 1 Year 1

Project Manager _____ Superintendent Nathan Hehle

Work Performed Today

7:00 a.m. Crew show up on time. Safety meeting and sign in on book and tablet, check and get ready for containment. Safety meeting with Kidwell

8:00 a.m get ready to go in containment. and continue with detail and Demo downstairs

12:00 p.m. Go to lunch and comeback at 12:30 p.m.

12:30 p.m Go back and get ready to go in containment to continue with the clean and pick up all the demo from downstairs

Weather: 42°

Temp. Hi 61° Low 34°

Safety Meeting

Topic: PPE

Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	4
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity

Material Purchased/Delivered

Problems - Delays, Safety Issues

N/A

Subcontractor Progress

N/A

Inspections

N/A

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
N/A	N/A	N/A	N/A	

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
N/A	N/A	N/A

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 13-318 Job Name: AP-81 Report # _____

Date 11-26-18 Day day 11 Monday Month 1 Year 7

Project Manager _____ Superintendent Matthew Dohle

Work Performed Today

7:30 a.m. Crew on time. Sign in on tablet and book, safety meeting and stretch.

7:45 a.m. walk around the property for any breaking or damage.

7:45 a.m. Crew got ready to go in containment and Continue bag out and detail.

12:00 p.m. went to lunch and comeback at 12:30 p.m.

12:30 p.m. Continue with Detail downstairs

Weather: 50°

Temp. Hi 50° Low 30°

Safety Meeting

Topic:

Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	4
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity

Material Purchased/Delivered

Problems - Delays, Safety Issues

N/A

Subcontractor Progress

N/A

Inspections

N/A

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
N/A	N/A	N/A	N/A	N/A

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
N/A	N/A	N/A

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 18-318 Job Name: AP-81 Report # 1
Date 11-27-18 Day 12 tuesday Month 1 Year 1
Project Manager _____ Superintendent [signature]

Work Performed Today

7:00 a.m. Crew showed in time, sig in on tablet and book and do the safety meeating and streech

7:45 a.m. Crew got ready to get in Containment and continew with the Leaf blower and Vacoom-

9:30 a.m. wast mongement come and pick up my domster and drop a new one.
Line up the domster to contin putting all the trash in it.

12:00 p.m. Go to lunch. come back at 12:30 p.m. Leroy leave eerly, stay with 3 workers for the rest of the day

Weather:	48°
Temp. Hi	59° Low 38°
Safety Meeting	
Topic:	

Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	4
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity

Material Purchased/Delivered

Problems - Delays, Safety Issues

~~N/A~~ Issues with the pesure.

Subcontractor Progress

N/A

Inspections

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
N/A	N/A	N/A	N/A	N/A

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
N/A	N/A	N/A

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 18-318 Job Name: AP-81 Report # 1

Date 11-13-18 Day 13 wendesday Month 1 Year 1

Project Manager ______ Superintendent [illegible]

Work Performed Today	
7:00 a.m. Crew showe up in time like always! ☺	Weather: 53° F
Sig in on tablet and book, have	Temp. Hi 62° Low 32°
Safety meeating and exercise	Safety Meeting
	Topic:
7:45 a.m. Gat ready for containment and	Work Force — Number
continee with the detail Jow	Project Manager
downstairs.	Project Supervisor 1
	Operators
9:30 a.m. Leroy went to work with Andre	Laborers 4
and bring David.	Tradesmen
	Other:
	Other:
12:00 p.m Go to lunch and comeback	Other:
at 12:300 p.m.	Materials Used — Quantity
12:30 p.m. Continue with the mastic downstairs	
took more time than I thous.	Material Purchased/Delivered
Got in contaiment and work the buffer so	
we can get done with that.	N/A

Problems - Delays, Safety Issues

✗ Leroy was my buffer guy and David dont know how to use a buffer. !!

Subcontractor Progress

Inspections

Visual — Upstairs passed,
more work and time in detail downstairs.

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
N/A	N/A	N/A	N/A	

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
N/A	N/A	N/A

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 13316 Job Name: AP-61 Report # 1
Date 11-30-18 Day 15th day Friday Month 1 Year 1
Project Manager _____ Superintendent Martha Mahle

Work Performed Today

7:00 a.m. Crew shareup continue and sign in on tablet and book, Saffety meeting and Stretch.
7:30 a.m. Got ready to go back in containment to remove the wood and linolium from ups furs. * wasn't on my book *

12:00 p.m Go to lunch and comeback at 12:30pm

12:30 p.m - Go in Containment and continue with the the bag out and burn to wrap the wood from kitchen area.

Weather: 34°
Temp. Hi 36° Low 30°
Safety Meeting
Topic: PPE

Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	5
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity

Material Purchased/Delivered
N/A

Problems - Delays, Safety Issues

* Delays - It wasn't on my project design had to go back

Subcontractor Progress

Inspections
N/A

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
N/A	N/A	N/A	N/A	N/A

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
N/A	N/A	N/A

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 18-316/18-317 Job Name: AP-80 - AP-81 Report # 1

Date 12-04-18 Day 2nday Tuesday Month 1 Year 1

Project Manager _____ Superintendent Martha Noble

Work Performed Today

7:00 a.m. Everybody show up on time and sign in on tablet and book safety meeting about the hazards on AP-80 with all that trash and bad odor. Stretch and get ready for containment

7:45 a.m. two workers get in containment AP-81 to cut and ~~clean~~ remove at transite pipe in the middle of the rooms.

7:50 the rest of the crew continue with the clean up and pre clean to prep AP-80

12:00 Go to lunch and comeback at 12:30

12:30 Everybody continue with the piping of Decon and head out.

Weather: 21°

Temp. Hi 37° Low 21°

Safety Meeting ✓

Topic: PPE

Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	6
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity

Material Purchased/Delivered

N/A

Problems - Delays, Safety Issues

* found a transite pipe in the midle of the rooms in main floor it wasn't on my book!
* No water for the past 2 days .. no shower ... wate frozen.

Subcontractor Progress

Inspections

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
N/A	N/A	N/A	N/A	N/A

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
N/A	N/A	N/A

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 13-317 1
Date 12-05-18
Job Name: AP-80
Day 3rd day wednesday
Month 1
Report # 1
Year 1
Project Manager
Superintendent Martha Noble

Work Performed Today

7:00 a.m. Crew showed up on time, Sign in on tablet and book. Safety meeting and Stretch
7:45 a.m. Continue with the pepping on AP80 Got the Decon and shower ready.
10:00 am Load out redy all set up for Abatement.
12:00 p.m. Go to lunch and comback 12:30 p.m.
12:30 p.m. Got ready to get in containment and start the removal of ACM using wet methods. Demo the ceilings and walls of bedroom and bethroom

Weather: 19°
Temp. Hi 50° Low 18°
Safety Meeting X
Topic:

Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	6
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity
N/A	N/A

Material Purchased/Delivered: N/A

Problems - Delays, Safety Issues

N/A

Subcontractor Progress

N/A

Inspections

N/A

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
N/A	N/A	N/A	N/A	N/A

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
N/A	N/A	N/A

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 13-318-13-317 Job Name: AP-80- AP-81 Report # 1
Date 12-07-18 Day 4th day Thursday Month / Year /

Project Manager ______ Superintendent [illegible]

Work Performed Today	
7:00 a.m. Crew showe up in time like always (!!) Sign in on tablet and book, had a safety meeting and streeh.	Weather: 17°
	Temp. Hi 28° Low 19°
	Safety Meeting X
	Topic: PPE, weathe
7:45 am. 3 workers got in contament AP-81 to do uprea clean before AMS Showe up. Contaiment is been sitting colectin dust fer the past 3 day's. hado another crew removing transite on the back of the house and bag them all and desposed.	

Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	6
Tradesmen	
Other:	
Other:	
Other:	

8:30 a.m. Got in Contaiment and continue with Demo on bag out on AP-80

9:15 Logan, come and do visual (passed) and got read to set up hes equipments.

12:00 Go to lunch and comeback at 12:30

12:30 Go back on contaiment and continue withe abetement.

Materials Used	Quantity
N/A	N/A

Material Purchased/Delivered

N/A

Problems - Delays, Safety Issues

Subcontractor Progress

N/A

Inspections

AMS Show up at 9:15 a.m. for visual and clearences.

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
N/A	N/A	N/A	N/A	N/A

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
N/A	N/A	N/A

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 13-318-13-317 Job Name: AP-80 — AP-81 Report # 1

Date 12-07-18 Day 5th Friday Month 1 Year 1

Project Manager _____ Superintendent Martha Nahle

Work Performed Today

7:00 a.m. Crew on site on time, sign on tablet and book, have safety meeting and stretch.

7:30 a.m. Got a text from Logen and say AP-81 passed so we tear down AP-81

7:30 a.m. Rest of the crew, get ready to get in containment and continue with the bug out and detail in main floor.

12:00 Go to lunch and comeback at 12:30

12:30 Go back in containment an continue withe the bug out and detail.

1:30 a worker have a family emergency and have to go.

3:30 2 worker leave to make it to an appoment.

Stay till 4:30 p.m. Covery door and windows from AP-81.

Weather:	17°
Temp. Hi	41° Low 19°
Safety Meeting Topic:	

Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	6
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity
N/A	N/A

Material Purchased/Delivered
* Airless
N/A

Problems - Delays, Safety Issues

* 3 workers live early today

Subcontractor Progress

N/A

Inspections

N/A

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
N/A	N/A	N/A	N/A	

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite
N/A	N/A	N/A

JKS Industries

ON-SITE DAILY SIGN- IN SHEET

Date : 12-13-18
Project Name: AP-81
Project NO: 18-318
Supervisor: Jesus Casado

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Jesus Casado	JC	JKS	7:00 AM	3:30 pm			
Jacob Ramirez	JR	JKS	7:00 AM	3:30 PM			
MARK KELLY	MK	JKS	7:00AM	8:00AM			

TOTAL

JKS Industries

ON-SITE DAILY SIGN- IN SHEET

Date : 12-14-18
Project Name: AP-81
Project NO: 18-318
Supervisor: Jesus Casado

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Jesus Casado	JC	JKS	7:00 AM	3:30 PM			
Jamiob Ramirez	JR	JKS	7:00 AM	3:30 PM			
MARK KELLEY	MK	JKS	7:00AM	3:30 PM			
Justin Castello	JC	Chacons	7:00AM				
Jose Sanchez	JS	Chacon's	7:00AM				
						TOTAL	

JKS Industries

ON-SITE DAILY SIGN- IN SHEET

Date : 12-17-18
Project Name: 18-318
Project NO: AP-81
Supervisor: Jesus

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Jesus Casado	JC	JKS	7:00 AM	3:30 PM			
Jamab Ramirez	JR	JKS	7:00 AM	3:30 PM			
Jose Sanchez	JS	Chacon's	700AM				
Justin Castillo	JC	Chacons	700 AM				
						TOTAL	

JKS Industries

ON-SITE DAILY SIGN- IN SHEET

Date : 12-18-18
Project Name: AP-81
Project NO: 18-318
Supervisor: Jesus Casado

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Jesus Casado	JC	JKS	7:00 AM	6:30 PM			
Jamob Ramirez	JR	JKS	7:00 AM	6:30 PM			
Justin Castelle	JC	Chacons	7:30AM				
Lonnie Hubbard	LH	Chacons	08:00				
						TOTAL	