Close Out Documents

AP-53 – 4608 Josephine St.

Asbestos Abatement and Structural Demolition

Prepared for:

Kiewit Infrastructure Co.
Attn: Jenn Bradtmueller
160 Inverness Drive West. Suite 110
Englewood CO 80112

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1. Closeout Letter

December 27, 2018

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

Re: SSCR AP-53 4608 Josephine 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 4608 Josephine St. Denver, CO 80216, also referred as parcel AP-53, is complete.

The scope of work included the removal of Regulated Building Materials (RBMs), asbestos abatement, demolition of a 1,722 square foot structure, 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 10/25/2018 through 11/2/2018.

Approval issued on: 10/25/2018
Record number: 142798

Notice Number: 18DE7238A-12

Variance: None
Comments: None

For the location specified below:

AP-53 residential
Rooms 3,4,5
4608 Josephine St.
Denver
Denver County

This permit has been issued to:

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

Fee paid:
Check number:

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

Project AMS:
Logan Greenfield
Cerification No.: 20715

Project Manager:

Issued by: CLB

ASBESTOS ABATEMENT NOTIFICATION and PERMIT APPLICATION FORM

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

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 12 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: Andre Williams | CO. Cert #: 15776

Abatement Site

Building Name: AP-53 Residential
Specify location in the building where work will take place (e.g. floor, room, wing, etc.): Rooms 3, 4 , 5
Street Address: 4608 Josephine 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: 11/19/2018 | End Date: 11/30/2018
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 and VAT

Linear Feet / Type	Square Feet / Type	55 gal. Drums
I	=1945 1745 SF of TDW 200 SF of VAT	

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: 10-9-18 | Approved by: CB
Form of Payment & # | PM req'd? Y N W
Permit #: 18D0728A12 | Record #: | 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 12 project will consist in removal and disposal of 1745 SF of TDW and 200 SF of VAT 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.

APPROVED
DATE 10-16-18 CDPHE CB

Form: AANPA08

Rev. 01/30/2008

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 11/14/2018.
The actual scheduled work dates are from 11/14/2018 through 12/14/2018.

Approval issued on: 11/15/2018
Record number: 143417
Notice Number: 18DE7772D
For the location specified below:

AP-53 Residential

4608 Josephine St.
Denver
Denver County

Fee Paid: $60.00
Check number: 5640

Asbestos Building Inspector:
Richard L. Ralston
Cerification No.: 4261

Inspection Date: 11/08/2018

This notice has been issued to:

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

Issued by: SK

Colorado Department of Public Health and Environment

NOV - 9 2018

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-53 Residential
Square footage of footprint of facility or portion of facility to be demolished: 1722
Street: 4608 Josephine St.
City: Denver | County: Denver | Zip Code: 80216
Proposed Start Date: 11/14/18 | Proposed Completion Date: 12/14/18

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-12 | Total Quantity of Asbestos Removed: 1945 SF
Date Removal Completed: 11/2/2018 | Telephone #: (303) 238-0207
Type(s) of Asbestos-Containing Material Removed: 1745 SF TDW, 200 SF VAT

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))**:

☐ 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)**: Richard Rabstin (4261) | Printed Name: Richard Rabstin
Date of Final Inspection: 11/8/2018 | CO Cert #: 04261 | Expiration Date: MAY 12-2019 | Telephone #: (719) 545-0375 | Cell Phone #: ( )

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: 11/1/18

Signature: [signature] | Print Name: JEFFREY KNIGHT

THIS BOX IS FOR CDPHE USE ONLY:

Postmark or Hand Delivery Date: 11/9/18 | Approved By: SER | Code: ☒ initial-310 ☐ transfer-380
Form of Payment & #: check# 5640 - $60 | Permit #: 18DE7792D | Record #: 14347 | 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.

APPROVED
DATE 11/9/18 CDPHE SER

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

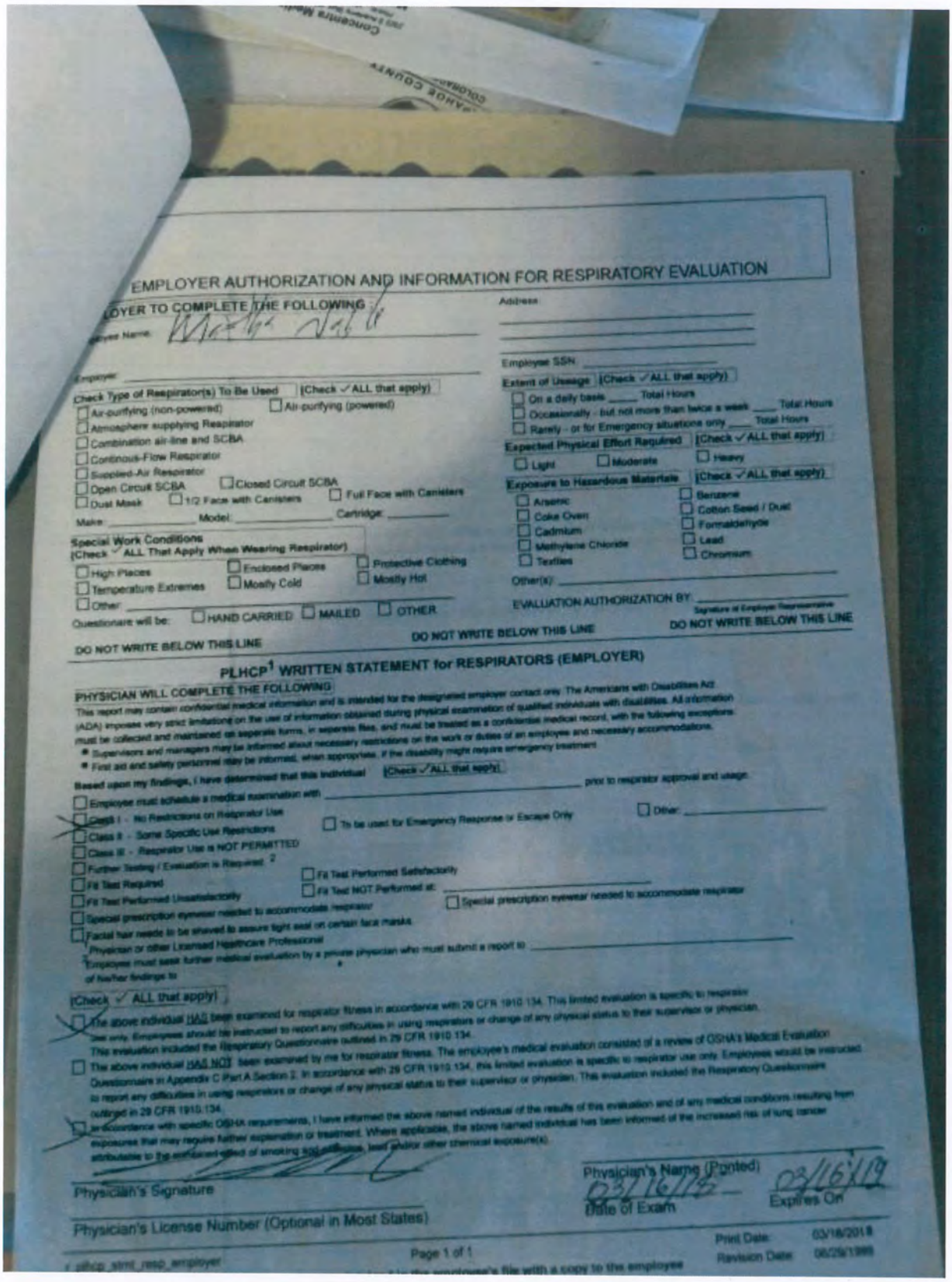
Has successfully completed
The EPA – APPROVED AHERA ANNUAL ASBESTOS REFRESHER
COURSE for **CONTRACTOR/SUPERVISOR**
And passed the requirements examination in that discipline

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.

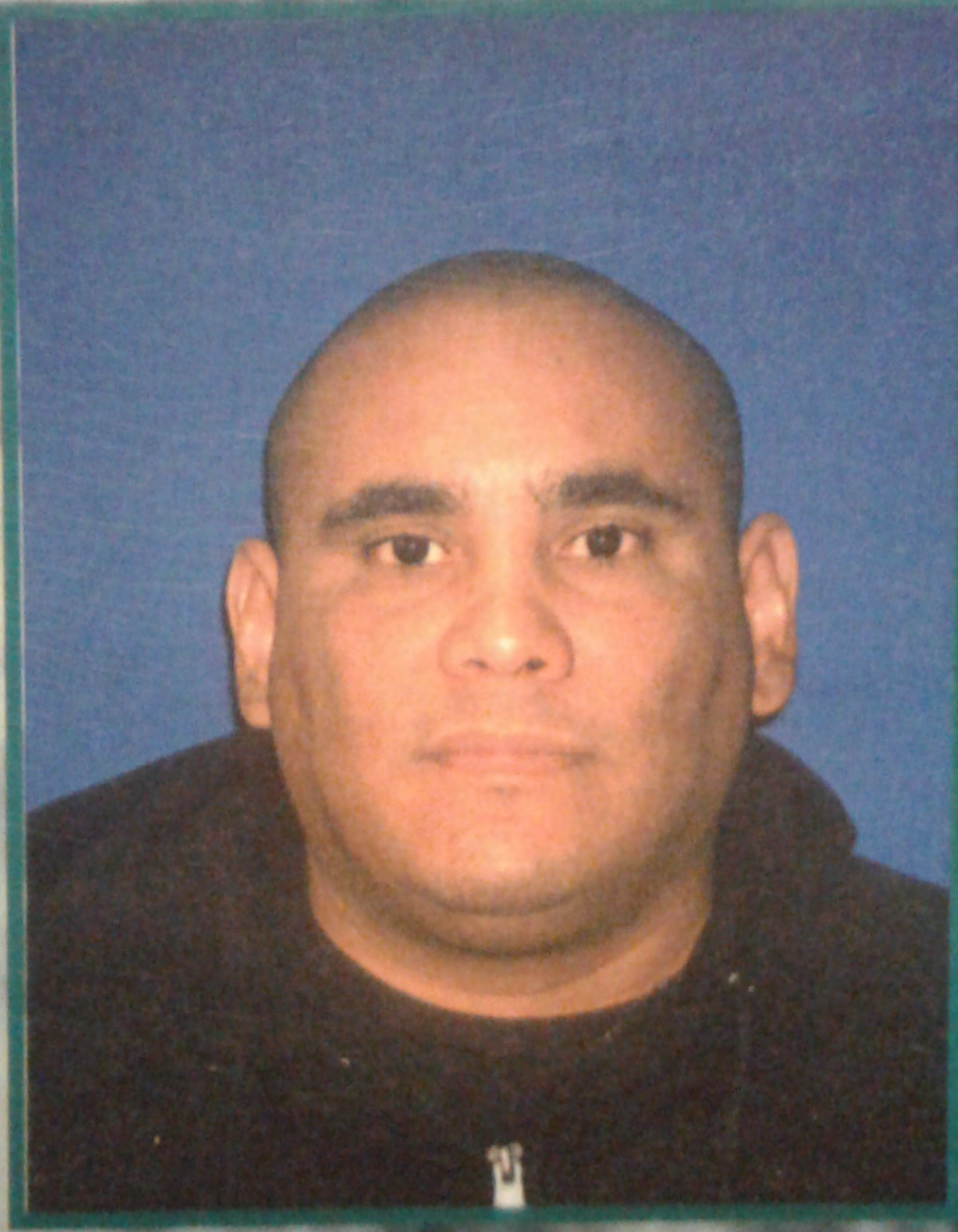
MN Read the Rainbow Passage

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

Alfredo E Rincon B

Expires: 10/23/2019 Cert. #:25054

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

ALFREDO E. RINCON B.

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-**01AWI**
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 Alfredo Rincon

The above individual was seen by me on 10.9.18 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) A-P B-reader
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.

NOT SIGNED PER INSTRUCTION

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 No restrictions

Examining Provider

10/19/18
Date

MOHS ASBESTOS CERTIFICATION

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

Respirator Fit Test

I, Alfredo Rincon, 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: 10/24/18 Fit Test Conductor: Ruben Dominguez

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

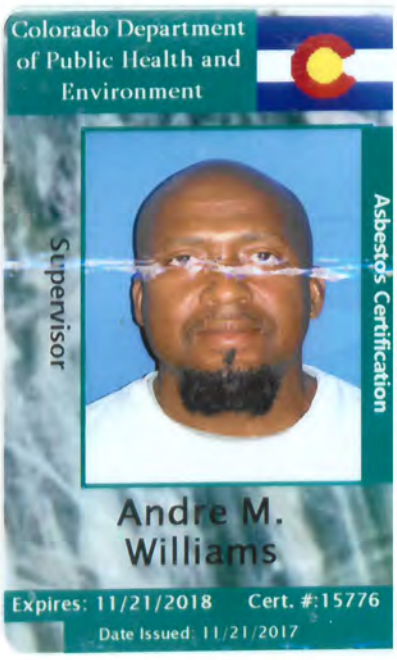
Please initial the following as each test is completed:

- [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: [signature] Date: 10/24/18

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


Colorado Department of Public Health and Environment
Supervisor
Asbestos Certification
Andre M. Williams
Expires: 11/21/2018
Cert. #:15776
Date Issued: 11/21/2017

INTERNATIONAL

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

CERTIFIES THAT

ANDREE WILLIAMS

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	09/15/2018
No. Hours	8
Certificate No.	CO091518-**02ASR**
Expires	09/15/2019

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 Andrea Williams

The above individual was seen by me on 3/19/18 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 2 B reads pending

Examining Provider

3/18/19
Date

Respirator Fit Test

I, Andree Williams, 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: 5/7/2018 Fit Test Conductor: Ruben Dominguez

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:

[AW] Breathe normally through the respirator

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

[AW] 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.

[AW] 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.

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

[AW] 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.

[AW] 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: Andree Williams Date: 5/7/18

Fit Test Conductor Signature: Ruben Dominguez Date: 5/7/2018


Colorado Department of Public Health and Environment
Asbestos Certification
Worker
Aura L.
De Paz
Expires: 6/15/2019 Cert. #:20488
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

AURA DE PAZ

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	05/12/2018
No. Hours	8
Certificate No.	CO051218-**02AWR**
Expires	05/12/2019

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

INTERNATIONAL ENVIRONMENTAL SAFETY TRAINING

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Training Director

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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 Aura Depaz

The above individual was seen by me on 5-15-18 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_____

Examining Provider

05/15/18
Date

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

NOT A CERTIFIED COPY

Respirator Fit Test

I, Aura De Paz, 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:

[ADP] Breathe normally through the respirator

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

[ADP] 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.

[ADP] 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.

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

[ADP] 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.

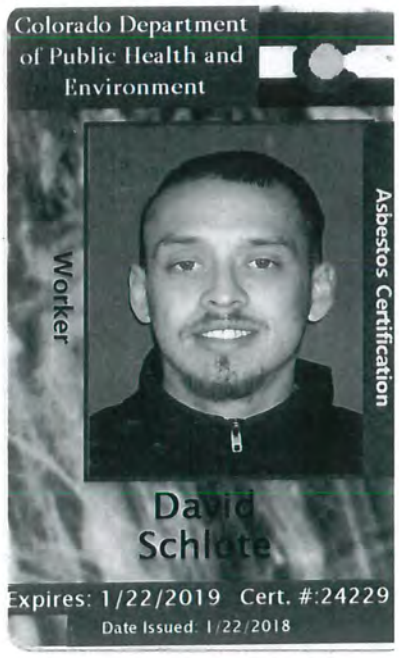
[ADP] Read the Rainbow Passage

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.

ADP 05/10/2018

Employee Signature: Aura De Paz Date: 10/05/2018

Fit Test Conductor Signature: [signature] Date: 5/10/2018


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

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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

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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.

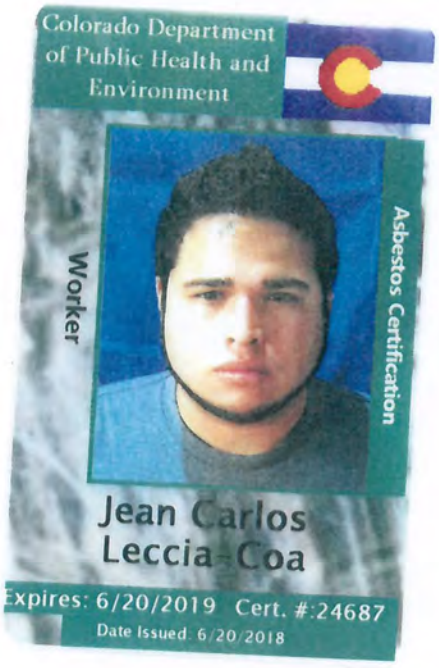
[DY] Move your mouth to its fullest extent; for example, yawn, move your jaw around, etc. Ensure that you can move your mouth as necessary without compromising the fit of the respirator.

[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
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

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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. 26^{th} 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 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

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

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: 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

Monica E
Barrientos L

Expires: 10/23/2019 Cert. #:25053

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

MONICA E. BARRIENTOS LEPRI

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-**03AWI**
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 Monica Barrientos

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. ✓ 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_____

Examining Provider

10/19/18
Date

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

Respirator Fit Test

I, Mónica Barrientos, 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: 10/24/18 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

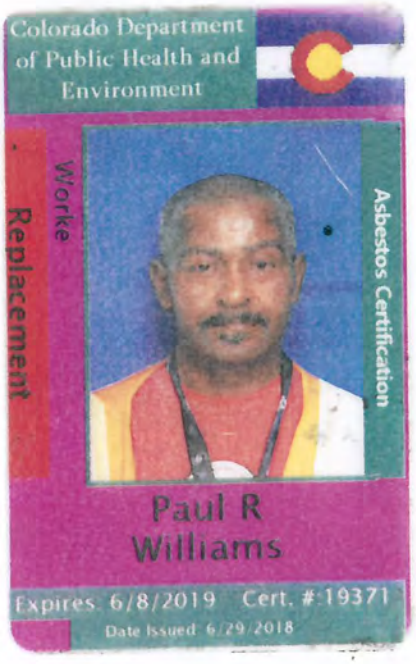
Please initial the following as each test is completed:

- [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: Barrientos Date: 10/24/18.

Fit Test Conductor Signature: Date: 10/24/2018


Colorado Department of Public Health and Environment
Worke
Replacement
Asbestos Certification
Paul R Williams
Expires: 6/8/2019 Cert. #:19371
Date Issued: 6/29/2018

INTERNATIONAL

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

CERTIFIES THAT

PAUL WILLIAMS

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	05/04/2018
No. Hours	8
Certificate No.	CO050418-**22ASR**
Expires	05/04/2019

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

INTERNATIONAL ENVIRONMENTAL SAFETY TRAINING

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Training Director

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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 Paul Williams

The above individual was seen by me on 6-15-18 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_____

Examining Provider Lawrence Cedillo D.O. JUN 15 2018 Date

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

JKS INDUSTRIES

RESPIRATOR FIT TEST

APPENDIX A – NORTH

EMPLOYEES WORKING UNDER THIS RESPIRATOR PROGRAM MUST ACKNOWLEDGE BY SIGNING THIS FORM. THEY HAVE BEEN FIT TESTED AND HAVE BEEN TRAINED FOR THE PROPER USE AND CARE OF THEIR RESPIRATOR. THEY HAVE READ AND UNDERSTAND THE COMPANY'S WRITTEN RESPIRATOR PROGRAM MANUAL.

Paul R. Williams

EMPLOYEE NAME PRINTED OR TYPED

3/26/2018

DATE OF FIT TEST

Ruben J. Dompo

FIT TEST CONDUCTOR

RESPIRATOR:

1. MANUFACTURER: North
2. MODEL: 7700M
3. SIZE: Medium
4. APPROVAL NUMBER: TC-84A-0592

IRRITANT SMOKE X

TESTING AGENT

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

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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:

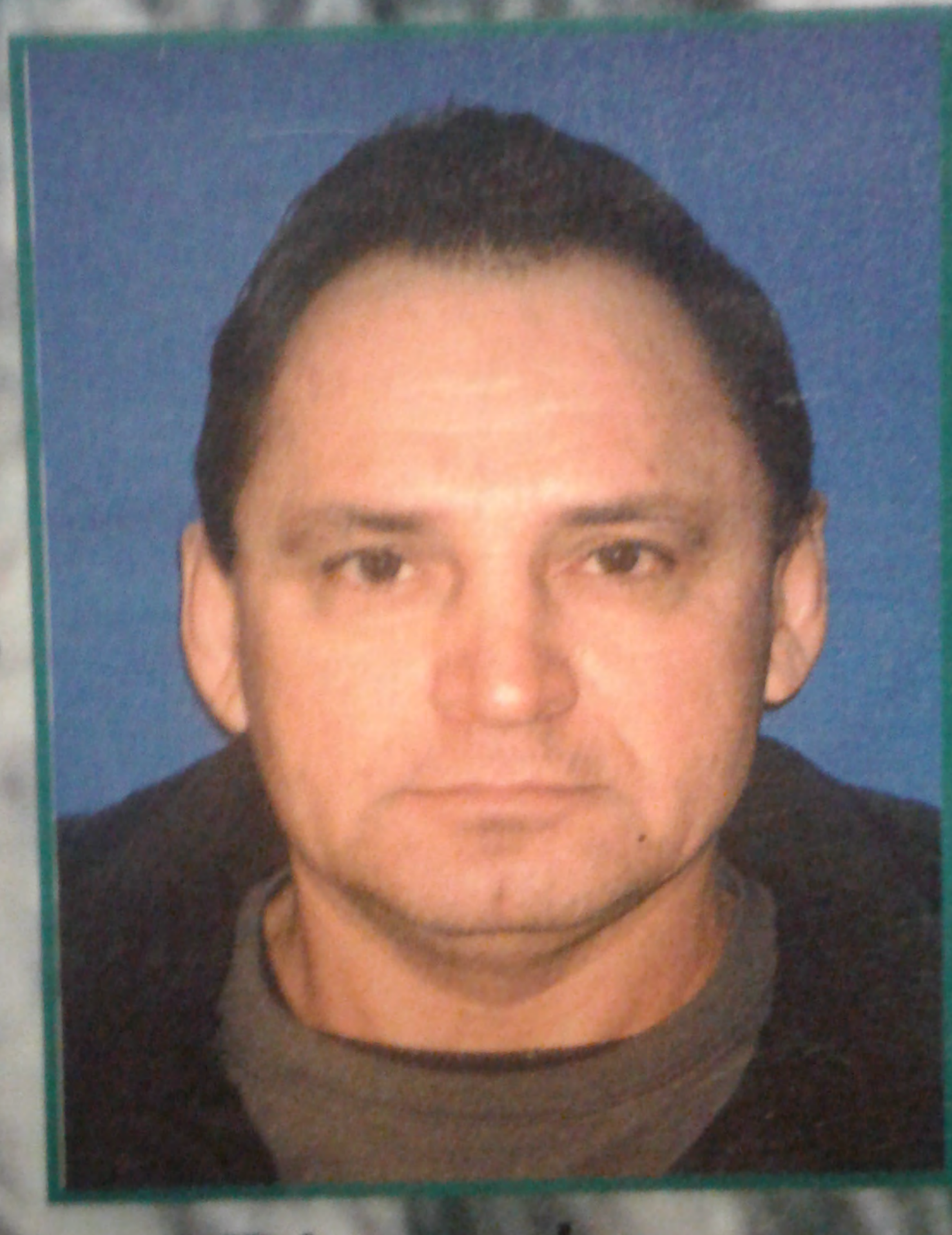
- [x] Breathe normally through the respirator
- [x] Breathe deeply through the respirator. Be certain that your breaths are deep and regular
- [x] Turn your head from one side to the other to the fullest extent about every second without bumping the respirator on your shoulders. Ensure that your movement 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



Asbestos Certification

W/O Worker

Ricardo Fuerte

Expires: 10/23/2019 Cert. #:25051

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

RICARDO FUERTE MESA

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-**04AWI**
Expires	10/18/2019

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

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Training Director

Colorado Occupational Medical Partners

1390 S. Potomac St. Suite 136
Aurora, Co. 80012
Ph# 303.214.0000 Fax# 303.214.0326

PHYSICIAN'S WRITTEN OPINION - ASBESTOS

Applicant's Name: Ricardo Fuerte

Address: _____

The above named was seen by me on 10/22/18, and in accordance with all applicable portions of OSHA's Asbestos Standard for the Construction Industry, 29 CFR 1926.1101, with which I am familiar, I have indicated by my initials, that I have performed the following.

1. ✓ Reviewed with this individual, his/her completed OSHA standardized Medical Questionnaire and Work History, directed towards the pulmonary, cardiovascular, and gastrointestinal, system; and

2. ✓ Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, the personal protective and respiratory equipment to be utilized by the individual; and any additional medical information resulting from previous examinations; and

3. ✓ Conducted a physical examination of this individual with emphasis on 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) and

4. ✓ Determined that a chest roentgenogram was ___ was not ✓ required as a part of this examination. (If required, the x-ray was taken and read in accordance with Appendix E of the Asbestos Standard); and

5. ✓ Determined that this individual may ✓ may not ___ use a respiratory device while performing his/her required employment services; and

6. ✓ Informed this individual that I have ___ have not ✓ detected a medical condition which would place this individual at an increased risk of material health impairment from exposure to asbestos; and

7. ✓ Informed this individual of the results of my examination and of any medical condition that may result from this individual's exposure to asbestos; and

8. ✓ Informed this individual of the health risks involved in 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.

Comments and/or Limitations (if any):

Charles Wenzel, DO
(Physician's Printed Name)

(Physician's Signature)

Colorado Occupational Medical Partners
1390 S. Potomac St. Suite 136 Aurora, CO 80012
P:303-214-0000 F:303-214-0335
(Physician's Phone No.)

(Physician's Address)

Respirator Fit Test

I, Ricardo Fuerte, 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: 10/24/18 Fit Test Conductor: Ruben Dominguez

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: 10/24/18

Fit Test Conductor Signature: _____ Date: 10/24/2018

Colorado Department of Public Health and Environment

Asbestos Certification

Worker

Tania Padron

Expires: 10/23/2019 Cert. #:25052

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

TANIA PADRON

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-**06AWI**
Expires	10/18/2019

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

Invalid without raised seal

Training Director

Colorado Occupational Medical Partners

1390 S. Potomac St. Suite 136
Aurora, Co. 80012
Ph# 303.214.0000 Fax# 303.214.0326

PHYSICIAN'S WRITTEN OPINION - ASBESTOS

Applicant's Name: Tania Padron

Address: _____

The above named was seen by me on 10/22/18, and in accordance with all applicable portions of OSHA's Asbestos Standard for the Construction Industry, 29 CFR 1926.1101, with which I am familiar, I have indicated by my initials, that I have performed the following.

1. ✓ Reviewed with this individual, his/her completed OSHA standardized Medical Questionnaire and Work History, directed towards the pulmonary, cardiovascular, and gastrointestinal, system; and

2. ✓ Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, the personal protective and respiratory equipment to be utilized by the individual; and any additional medical information resulting from previous examinations; and

3. ✓ Conducted a physical examination of this individual with emphasis on 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) and

4. ✓ Determined that a chest roentgenogram was ___ was not ✓ required as a part of this examination. (If required, the x-ray was taken and read in accordance with Appendix E of the Asbestos Standard); and

5. ✓ Determined that this individual may ✓ may not ___ use a respiratory device while performing his/her required employment services; and

6. ✓ Informed this individual that I have ___ have not ✓ detected a medical condition which would place this individual at an increased risk of material health impairment from exposure to asbestos; and

7. ✓ Informed this individual of the results of my examination and of any medical condition that may result from this individual's exposure to asbestos; and

8. ✓ Informed this individual of the health risks involved in 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.

Comments and/or Limitations (if any):

Charles Wenzel DO
(Physician's Printed Name)

(Physician's Signature)

Colorado Occupational Medical Partners
1390 S. Potomac St. Suite 136 Aurora, CO 80012
P:303-214-0000 F:303-214-0335

(Physician's Phone No.)

(Physician's Address)

Respirator Fit Test

I, Tania padron, 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: 10/24/18 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

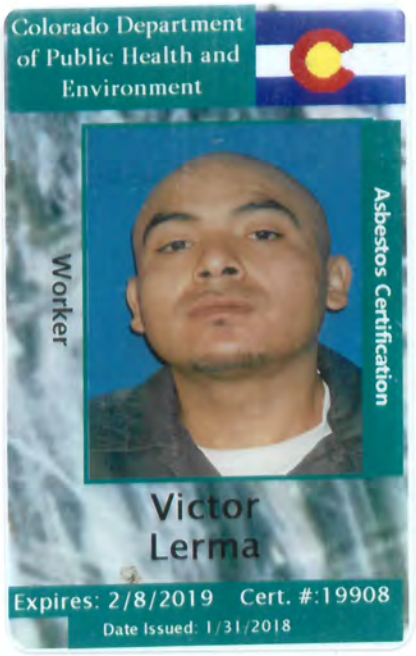
Please initial the following as each test is completed:

- [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: Tania Padron Date: 10/24/18

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


Colorado Department of Public Health and Environment
Asbestos Certification
Worker
Victor Lerma
Expires: 2/8/2019 Cert. #:19908
Date Issued: 1/31/2018

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

VICTOR A. LERMA

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	01/13/2018
No. Hours	8
Certificate No.	CO011318-**22AWR**
Expires	01/13/2019

This course meets the requirements of AQCC Reg. #8

INTERNATIONAL ENVIRONMENTAL SAFETY TRAINING

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Training Director

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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 Victor Lerma

The above individual was seen by me on 02/12/18 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was preformed:

1. Y 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. Y 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. Y Review of information from previous medical examinations, if available.

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

9. Y 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:

Comments/ Limitations_____

Examining Provider

02/12/18
Date

Richard Kraus M.S., 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, Victor Lerma, 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 Ochoa

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:

[VL] Breathe normally through the respirator

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

[VL] 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.

[VL] 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.

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

[VL] 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.

[VL] Read the Rainbow Passage

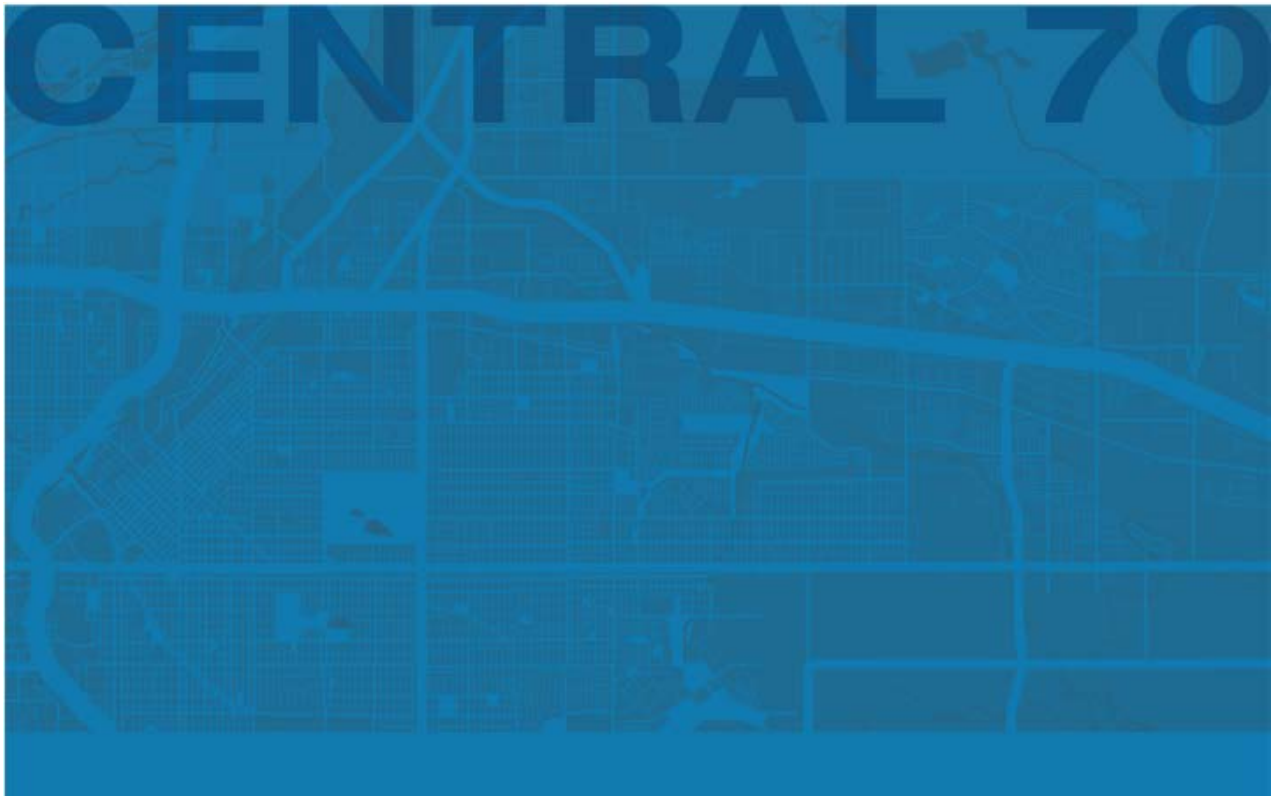
When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. A rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch with its path high above and its two ends apparently beyond the horizon. There is, according to legend, 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: Victor Lerma Date: 5-7-18

Fit Test Conductor Signature: Ruben Ochoa Date: 5/7/2018

6. Project Design

6a. SSAR



June 27, 2018

Structure Survey Assessment Report AP-53

4608 Josephine Street

Denver, CO 80216

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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

Table 1-1	Project Details
Table 3-1A	Asbestos Containing Samples
Table 3-1B	Non-Asbestos Containing Samples
Table 3-2	Summary of Paint Chip Laboratory Analysis for Lead
Table 3-3	Summary of Regulated Building Materials

Figures

Figure 1	Site Location
Figure 2	Asbestos Bulk Sample Locations
Figure 3	Lead-Based Paint Sample Locations
Figure 4	Regulated Building Materials

Appendices

Appendix A	Asbestos, Lead Inspector and Laboratory Certifications
Appendix B	Positive Asbestos & Lead Sample Material Photographs
Appendix C	Laboratory Results & Chain of Custody – Asbestos
Appendix D	Laboratory Results & Chain of Custody – Lead & TCLP

APEC Project # 18-3066-017

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 4608 Josephine Street, Denver, CO. This survey will identify the materials that will need to be abated or removed prior to the future demolition activities.

Table 1-1 Project Details

Client Name:	Kiewit Meridiam Partners
Site Location:	4608 Josephine Street, Denver, CO 80216
Building Type	Residential House
Building Size	Building is approximately 1,722 square feet
Construction Date:	1889 – 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 May 17, 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 EPA's AHERA program and as required by USEPA regulation 40 CFR Part 61, NESHAP. Bulk sampling of suspected ACMs shall be 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 the 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 May 17, 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 was the use of a heat gun and/or scraping a portion of the paint 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 7 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 7 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 May 17, 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 and until done so should be handled with care.

3 Findings

3.1 ASBESTOS SURVEY

A total of 49 bulk samples, plus 2 duplicate samples, were collected from 15 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)

- AP53-R6-TC1A, AP53-R6-TC1B, AP53-R5-TC1C , AP53-R4-TC1D & AP53-R4-TC1E – Heavy Textured Composite Board on the walls of rooms 4, 5, & 6
- AP53-R6-TC3A, AP53-R5-TC3B & AP53-R4-TC3C – Swirl Textured Composite Board on the ceilings of rooms 4, 5, & 6

Non-regulated Asbestos Containing Materials

- AP53-R3-MF7A, AP53-R3-MF7B & AP53-R3-MF7C – Multi-layered Flooring top floor tile layer in room 3

Point Counts

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

- AP53-R3-MF4A, AP53-R3-MF4B & AP53-R2-MF4C – Smooth Textured Plaster – OSHA regulated

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 were collected because a total of 49 samples were obtained.

- AP53-R3-FT6Q
- AP53-EX-ST12Q

3.2 LEAD-BASED PAINT SURVEY

A total of 7 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).

Three lead samples (AP53-R6-L-2, AP53-EX-L-5 & AP53-R1-L-7) were found to be greater than 0.06% by weight and less than 0.5% by weight and is considered LCP (Table 3-2). The remaining 4 samples were less than the LCP and LBP thresholds, and are considered NLC. The laboratory analytical report is included in Appendix D.

3.2.1 TCLP LEAD ANALYTICAL RESULTS

Since three 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 results of the TCLP analysis is 0.63 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 1,745 square feet of RACM was identified as textured composite board located on the walls and ceilings of rooms 4 & 6 and the ceilings of room 5. This material will require abatement prior to demolition of the structure because this is easily rendered friable.

Approximately 200 square feet of vinyl floor tile located in room three as the second layer was confirmed to be an ACM. This material is a Category I Non-friable ACM per NESHAP and Regulation 8 but can be made friable by mechanical means during demolition. 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.

Prior to demolition activities, all friable and non-friable (that can or will be rendered friable) ACM that may be impacted during the demolition must be abated by a Colorado Certified Asbestos Abatement Contractor as required by NESHAP and the CDPHE – Air Pollution Control Division: Asbestos. The exception are Category I & II Non-Friable ACMs that can, with best management practices, remain during the activities and remain non-friable, i.e. not able to be reduced to a dust. Activities such as grinding, excessive munching of materials, sawing, jack-hammering, etc. are strictly prohibited.

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 3 of the 7 samples. The remaining 4 samples are 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 Asbestos Containing Samples

Table 3-1B Non-Asbestos Containing Samples

Table 3-2 Summary of Paint Chip Laboratory Analysis for Lead

Table 3-3 Summary of Regulated Building Materials

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.)
AP53-R6-TC1A	ROOM 6	TEXTURE 3%CHRYSOTILE	PLM	Good	HEAVY TEXTURED COMPOSITE BOARD	WALLS OF ROOMS 4, 5 & 6	RACM	1,300
AP53-R6-TC1B		TEXT 3%CHRYSOTILE	PLM	Good			RACM	
AP53-R5-TC1C	ROOM 5	TEXTURE 3%CHRYSOTILE	PLM	Good			RACM	
AP53-R4-TC1D	ROOM 4	TEXTURE 3%CHRYSOTILE	PLM	Good			RACM	
AP53-R4-TC-1E		TEXTURE 2%CHRYSOTILE	PLM	Good			RACM	
AP53-R6-TC3A	ROOM 6	TEXTURE 3%CHRYSOTILE	PLM	Good	SWIRL TEXTURED COMPOSITE BOARD	CEILINGS OF ROOM 4, 5 & 6	RACM	445
AP53-R5-TC3B	ROOM 5	TEXTURE 2%CHRYSOTILE	PLM	Good			RACM	
AP53-R4-TC3C	ROOM 4	TEXTURE 2%CHRYSOTILE	PLM	Good			RACM	
AP53-R3-MF7A	ROOM 3	FLOORING 4% CHRYSOTILE	PLM	Good	MULTI-LAYERED FLOORING	FLOOR TILE OF ROOM 3	RACM	200
AP53-R3-MF7B		FLOORING 3% CHRYSOTILE	PLM	Good			RACM	
AP53-R3-MF7C		FLOORING 4% CHRYSOTILE	PLM	Good			RACM	

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

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

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification
AP53-R1-TD2A	ROOM 1	ND	PLM	Good	TEXTURED DRYWALL	WALLS OF ROOM 1	NA
AP53-R1-TD2B		ND	PLM	Good			NA
AP53-R1-TD2C		ND	PLM	Good			NA
AP53-R3-PL4B	ROOM 3	POINT COUNT 0.50% CHRYSOTILE	PLM	Good	SMOOTH TEXTURED PLASTER	WALLS AND CEILINGS OF ROOMS 2&3	OSHA
AP53-R2-PL4C	ROOM 2	POINT COUNT <0.25% CHRYSOTILE	PLM	Good			OSHA
AP53-R3-PL4A	ROOM 3	Homogeneous to Samples AP53-R3-PL4B & AP53-R2-PL4C					
AP53-R5-PL5A	ROOM 5	ND	PLM	Good	PLASTER	BEHIND COMPOSITE WALLS AND CEILINGS OF ROOM 5 AND 6	NA
AP53-R6-PL5B	ROOM 6	ND	PLM	Good			NA
AP53-R6-PL5C		ND	PLM	Good			NA
AP53-R6-PL5D		ND	PLM	Good			NA
AP53-R4-PL5E	ROOM 4	ND	PLM	Good			NA
AP53-R2-FT6A	ROOM 2	DAMAGED	PLM	Good	RED FLOOR TILE	TOP LAYER FLOORING IN ROOMS 2, 3 & 4	NA
AP53-R3-FT6Q	ROOM 3	DAMAGED	PLM	Good			NA
AP53-R3-FT6B		DAMAGED	PLM	Good			NA
AP53-R1-FT6C	ROOM 1	DAMAGED	PLM	Good			NA
AP53-B-T8A	BASEMENT	ND	PLM	Good	HEAVY TEXTURE	TEXTURE ON WOOD PANELS IN BASEMENT	NA
AP53-B-T8B		ND	PLM	Good			NA
AP53-B-T8C		ND	PLM	Good			NA
AP53-B-PL9A	BASEMENT	ND	PLM	Good	PLASTER	WALLS OF BASEMENT	NA
AP53-B-PL9B		ND	PLM	Good			NA
AP53-B-PL9C		ND	PLM	Good			NA

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification
4P53-B-BM10A	BASEMENT	ND	PLM	Good	BRICK/MORTAR FOUNDATION	WALL IN BASEMENT	NA
AP53-B-BM10B		ND	PLM	Good			NA
AP53-B-BM10C		ND	PLM	Good			NA
AP53-EX-R11A	EXTERIOR	ND	PLM	Good	ROOFING	ROOF	NA
AP53-EX-R11B		ND	PLM	Good			NA
AP53-EX-R11C		ND	PLM	Good			NA
AP53-EX-ST12A	EXTERIOR	ND	PLM	Good	STUCCO	AROUND PORCH	NA
AP53-EX-ST12B		ND	PLM	Good			NA
AP53-EX-ST12Q		ND	PLM	Good			NA
AP53-EX-ST12C		ND	PLM	Good			NA
AP53-EX-VB13A	EXTERIOR	ND	PLM	Good	VAPOR BARRIER	BEHIND SIDING	NA
AP53-EX-VB13B		ND	PLM	Good			NA
AP53-EX-VB13C		ND	PLM	Good			NA
AP53-AT-IN14A	ATTIC	ND	PLM	Good	ATTIC INSULATION	ATTIC	NA
AP53-AT-IN14B		ND	PLM	Good			NA
AP53-AT-IN14C		ND	PLM	Good			NA
AP53-EX-WG15A	EXTERIOR	ND	PLM	Good	WINDOW GLAZING	10 WINDOWS	NA
AP53-EX-WG15B		ND	PLM	Good			NA
AP53-EX-WG15C		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
AP53-R6-L-1	Room 6	0.014	Composite board	White	NLC
AP53-R6-L-2	**Room 6**	**0.069**	**Wood**	**Gray**	**LCP**
AP53-R6-L-3	Room 6	0.029	Composite board	mint Green	NLC
AP53-BASE-L-4	Basement	0.015	Metal Pole	White	NLC
AP53-EX-L-5	**Exterior**	**0.075**	**Wood**	**Gray**	**LCP**
AP53-EX-L-6	Exterior	<0.0080	Wood	White	NLC
AP53-R1-L-7	**Room 1**	**0.085**	**Metal pole**	**Pink**	**LCP**

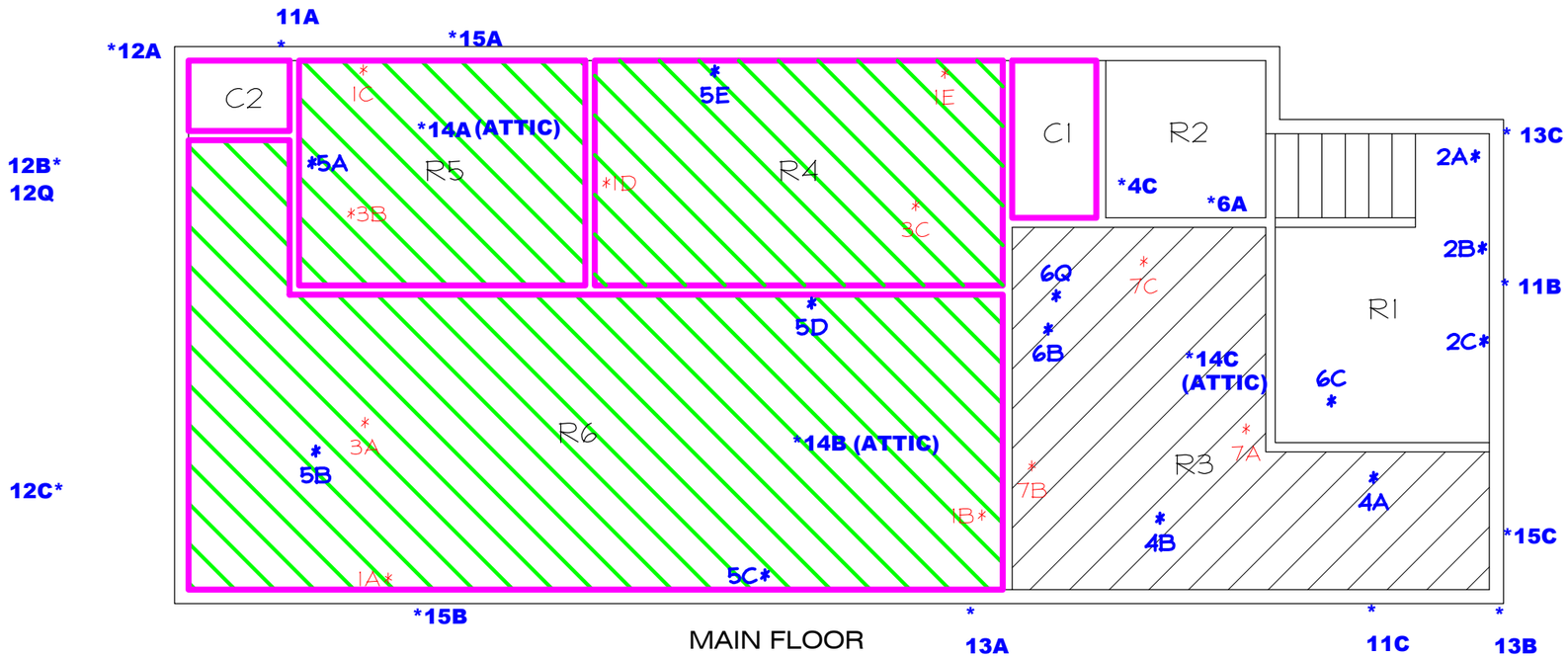
Table 3-3 Summary of Regulated Building Materials

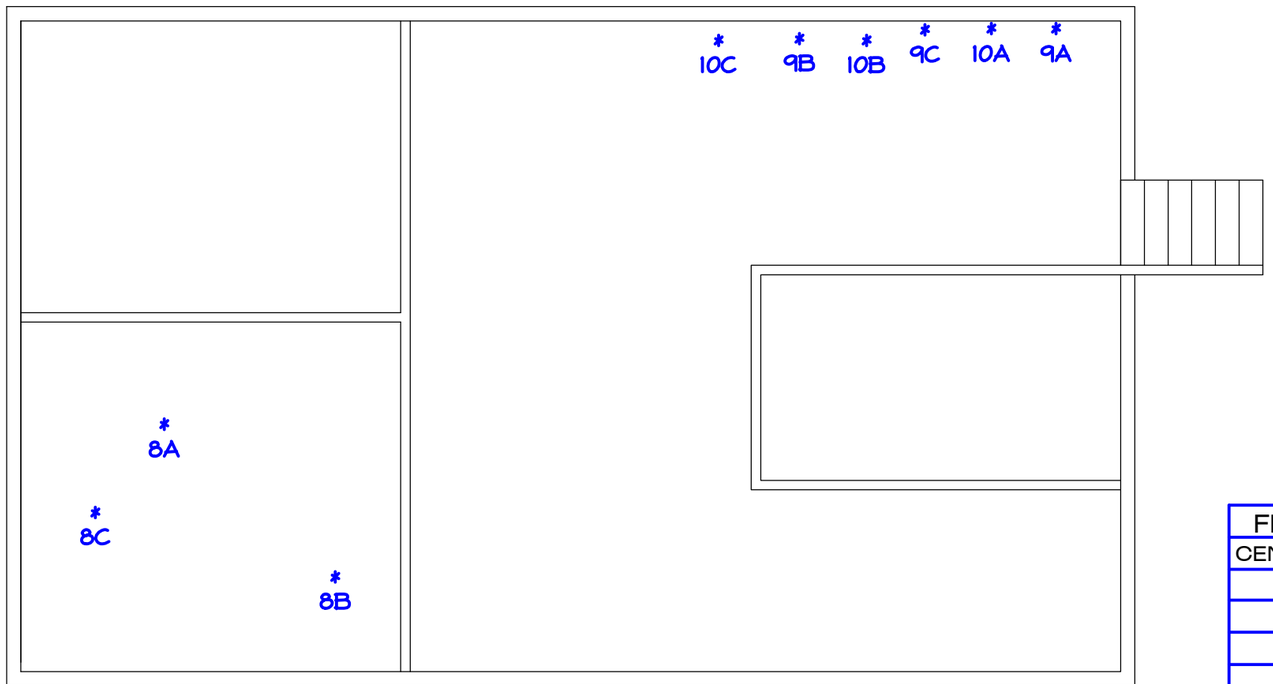
Room	Material	Location	Quantity Fixture/Bulbs each
Room 1	Electrical Meter/Panel	West Wall	1
Exterior	Gas main	Northwest End	1
Basement	HVAC/Furnace	Basement	1

Figures

Figure 1	Site Location
Figure 2	Asbestos Bulk Sample Locations
Figure 3	Lead-Based Paint Sample Locations
Figure 4	Regulated Building Materials


FIGURE 1
AP-53
Legend
4608 Josephine St
Josephine St
Columbine St
York St
Steavenson Pl
4608 Josephine St
6
70
E 46th Ave
N
200 ft
Google Earth
© 2018 Google





= Positive Asbestos at Flooring

= Positive Asbestos at Composite Ceilings

= Positive Asbestos at Composite Walls

R1 = Room Numbers

4B = Asbestos Samples (Detect)

4B = Asbestos Samples (Non-Detect)

= Vent Boot Wrap Positive for Asbestos

N

DR BY: R.A.

APPROVED: B.N.E.

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

FIGURE 2 - Asbestos Bulk Sample Locations

CENTRAL 70 - Structure Survey Assessment Map

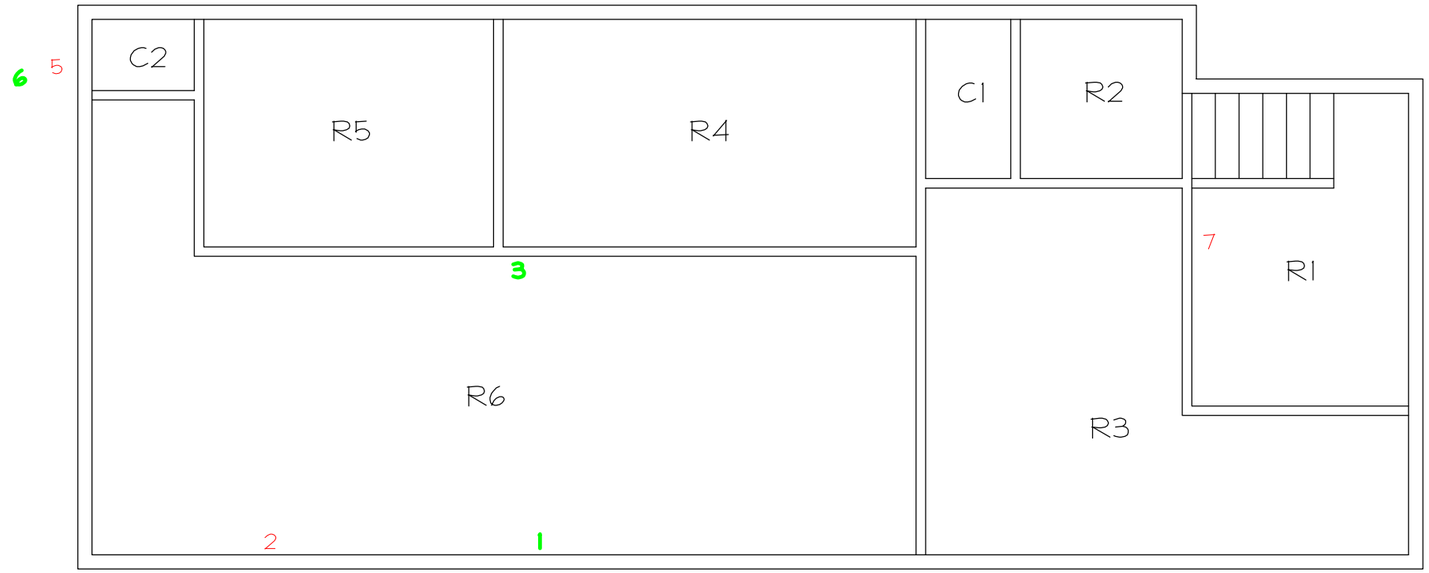
AP-53

4608 Josephine St., Denver, CO

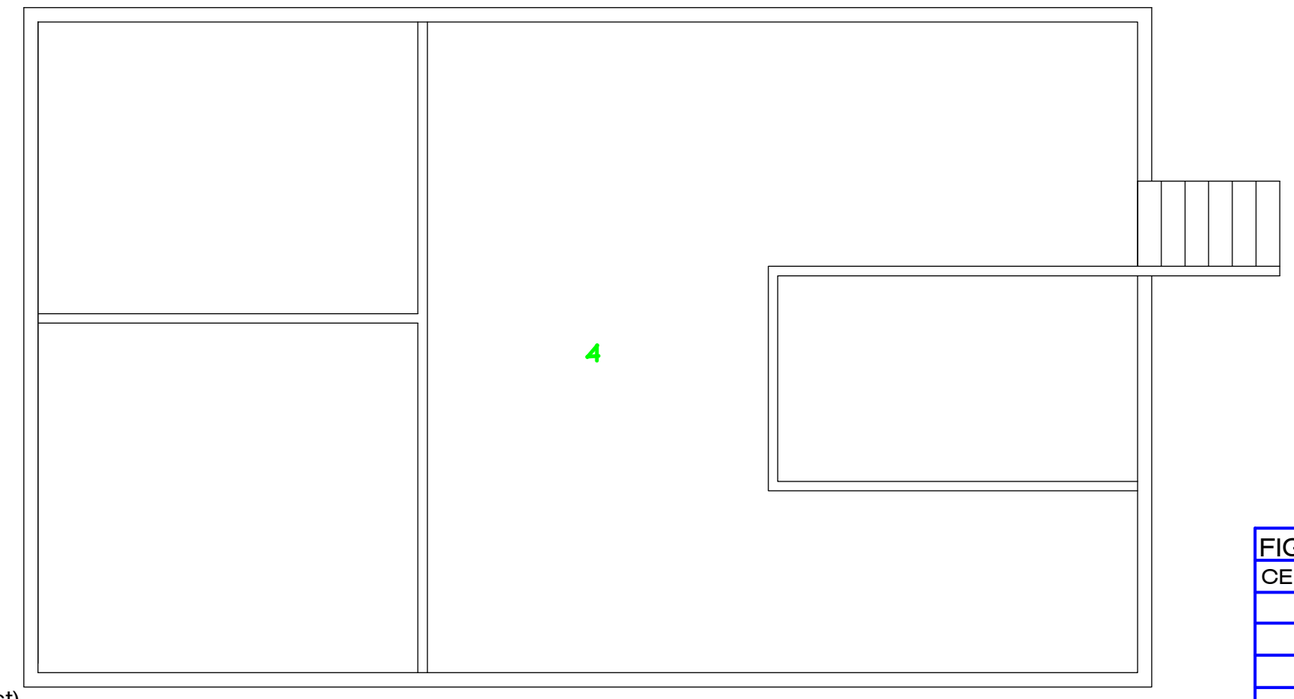
May 17, 2018

APEC #: 18-3066

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



MAIN FLOOR



BASEMENT

R1 = Room Numbers

4 = Lead Base Paint (Detect)

4 = Lead Containing Paint (Detect)

4 = Lead Base Paint (Non-Detect)

N

DR BY: R.A.

APPROVED: B.N.E.

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

FIGURE 3 - Lead-Based Paint Sample Locations

CENTRAL 70 - Structure Survey Assessment Map

AP-53

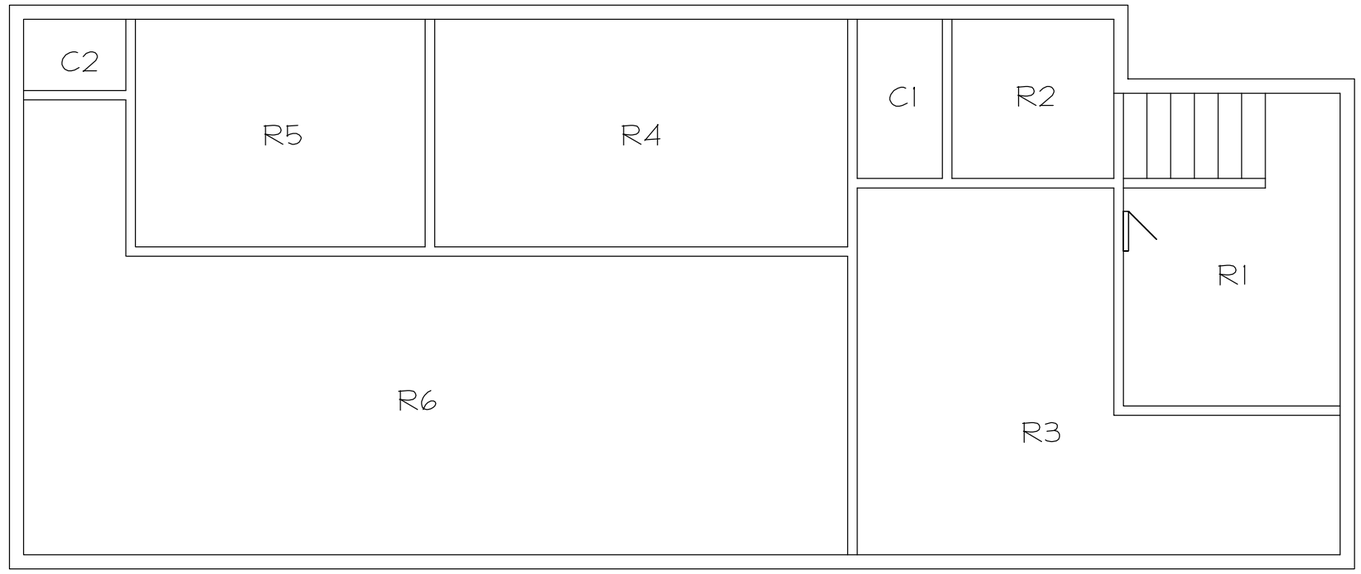
4608 Josephine St., Denver, CO

May 17, 2018

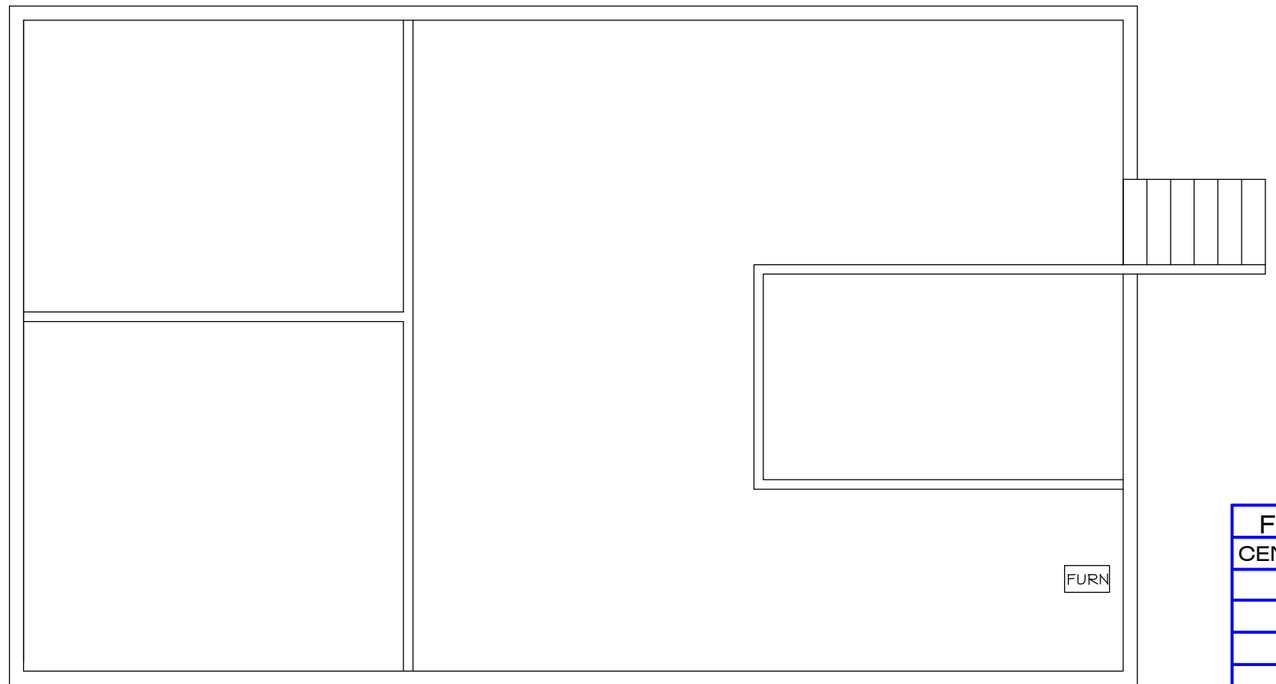
APEC #: 18-3066

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

GM



MAIN FLOOR



BASEMENT

R1 = Room Numbers

FURN = Furnace

GM = Gas Meter

= Breaker Panel

N

DR BY: R.A.
APPROVED: B.N.E.
SCALE: 3/16" =1'-0"

FIGURE 4 - Regulated Building Materials

CENTRAL 70 - Structure Survey Assessment Map

AP-53

4608 Josephine St., Denver, CO

May 17, 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

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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. Benedetto
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

 Heavy Textured Composite Board	Samples Represented – AP53-R6-TC1A AP53-R6-TC1B AP53-R5-TC1C AP53-R4-TC1D AP53-R4-TC1E
 Swirl Textured Composite Board	Samples Represented – AP53-R6-TC3A AP53-R5-TC3B AP53-R4-TC3C
 Multiple layer flooring (tile)	Samples Represented – AP53-R3-MF7A AP53-R3-MF7B AP53-R3-MF7C

 Gray - LCP	Sample Represented – AP53-R6-L-2
 Gray - LCP	Sample Represented – AP53-EX-L-5
 Metal Pole (pink) - LCP	Sample Represented – AP53-R1-L-7

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: 221803646
Customer ID: ALLP62
Customer PO:
Project ID:

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

Project: 3066-017-A-AP53

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 05/23/2018 10:20 AM
Analysis Date: 05/29/2018 - 05/31/2018
Collected Date: 05/17/2018

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**
AP53-R6-TC1A-Texture *221803646-0001*	Heavy Textured Composite Board	Tan/White Non-Fibrous Heterogeneous		10% Ca Carbonate 87% Non-fibrous (Other)	**3% Chrysotile**
			Inseparable paint / coating layer included in analysis		
AP53-R6-TC1A-Composite Board *221803646-0001A*	Heavy Textured Composite Board	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	**None Detected**
AP53-R6-TC1B-Texture *221803646-0002*	Heavy Textured Composite Board	Tan/White Non-Fibrous Heterogeneous		10% Ca Carbonate 87% Non-fibrous (Other)	**3% Chrysotile**
			Inseparable paint / coating layer included in analysis		
AP53-R6-TC1B-Composite Board *221803646-0002A*	Heavy Textured Composite Board	Brown Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	**None Detected**
AP53-R5-TC1C-Texture *221803646-0003*	Heavy Textured Composite Board	Tan Non-Fibrous Heterogeneous		10% Ca Carbonate 87% Non-fibrous (Other)	**3% Chrysotile**
			Inseparable paint / coating layer included in analysis		
AP53-R5-TC1C-Composite Board *221803646-0003A*	Heavy Textured Composite Board	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	**None Detected**
AP53-R4-TC1D-Texture *221803646-0004*	Heavy Textured Composite Board	Tan Non-Fibrous Homogeneous		10% Ca Carbonate 87% Non-fibrous (Other)	**3% Chrysotile**
			Inseparable paint / coating layer included in analysis		
AP53-R4-TC1D-Composite Board *221803646-0004A*	Heavy Textured Composite Board	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	**None Detected**

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

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

Initial report from: 05/31/2018 17:15:12

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: 221803646
Customer ID: ALLP62
Customer PO:
Project ID:

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

Project: 3066-017-A-AP53

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 05/23/2018 10:20 AM
Analysis Date: 05/29/2018 - 05/31/2018
Collected Date: 05/17/2018

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**
AP53-R4-TC1E-Texture *221803646-0005*	Heavy Textured Composite Board	White/Beige Non-Fibrous Heterogeneous		98% Non-fibrous (Other)	**2% Chrysotile**
		Inseparable paint / coating layer included in analysis			
AP53-R4-TC1E-Composite Board *221803646-0005A*	Heavy Textured Composite Board	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	**None Detected**
AP53-R1-TD2A-Texture *221803646-0006*	Textured Drywall	Tan/White Non-Fibrous Heterogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	**None Detected**
		Inseparable paint / coating layer included in analysis			
AP53-R1-TD2A-Tape *221803646-0006A*	Textured Drywall	Beige Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	**None Detected**
AP53-R1-TD2A-Joint Compound *221803646-0006B*	Textured Drywall	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	**None Detected**
AP53-R1-TD2A-Drywall *221803646-0006C*	Textured Drywall	Brown/Pink Fibrous Homogeneous	20% Cellulose	65% Gypsum 15% Non-fibrous (Other)	**None Detected**
AP53-R1-TD2B-Joint Compound *221803646-0007*	Textured Drywall	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	**None Detected**
AP53-R1-TD2B-Drywall *221803646-0007A*	Textured Drywall	Brown/Pink Fibrous Homogeneous	20% Cellulose	65% Gypsum 15% Non-fibrous (Other)	**None Detected**
AP53-R1-TD2C-Texture *221803646-0008*	Textured Drywall	White Non-Fibrous Heterogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	**None Detected**
		Inseparable paint / coating layer included in analysis			

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

Initial report from: 05/31/2018 17:15:12

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EMSL Order: 221803646
Customer ID: ALLP62
Customer PO:
Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
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Phone: (719) 250-0036
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Received Date: 05/23/2018 10:20 AM
Analysis Date: 05/29/2018 - 05/31/2018
Collected Date: 05/17/2018

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**
AP53-R1-TD2C-Dry wall *221803646-0008A*	Textured Drywall	Brown/White Fibrous Homogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	**None Detected**
AP53-R6-TC3A-Texture *221803646-0009*	Swirl Textured Com Board	Tan Non-Fibrous Heterogeneous		10% Ca Carbonate 87% Non-fibrous (Other)	**3% Chrysotile**
		Inseparable paint / coating layer included in analysis			
AP53-R6-TC3A-Composite Board *221803646-0009A*	Swirl Textured Com Board	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	**None Detected**
AP53-R5-TC3B-Texture *221803646-0010*	Swirl Textured Com Board	Tan Non-Fibrous Heterogeneous		10% Ca Carbonate 88% Non-fibrous (Other)	**2% Chrysotile**
		Inseparable paint / coating layer included in analysis			
AP53-R5-TC3B-Composite Board *221803646-0010A*	Swirl Textured Com Board	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	**None Detected**
AP53-R4-TC3C-Texture *221803646-0011*	Swirl Textured Com Board	White Non-Fibrous Heterogeneous		98% Non-fibrous (Other)	**2% Chrysotile**
		Inseparable paint / coating layer included in analysis			
AP53-R4-TC3C-Composite Board *221803646-0011A*	Swirl Textured Com Board	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	**None Detected**
AP53-R3-PL4A-Skim Coat *221803646-0012*	Smooth Textured Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
AP53-R3-PL4A-Plaster *221803646-0012A*	Smooth Textured Plaster	Gray Fibrous Homogeneous	<1% Cellulose <1% Hair	5% Ca Carbonate 95% Non-fibrous (Other)	**None Detected**

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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**
AP53-R3-PL4B-Skim Coat *221803646-0013*	Smooth Textured Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
AP53-R3-PL4B-Plaster *221803646-0013A*	Smooth Textured Plaster	Gray Fibrous Homogeneous	<1% Cellulose	10% Ca Carbonate 90% Non-fibrous (Other)	**<1% Chrysotile**
AP53-R2-PL4C-Skim Coat *221803646-0014*	Smooth Textured Plaster	Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	**None Detected**
		Inseparable paint / coating layer included in analysis			
AP53-R2-PL4C-Plaster *221803646-0014A*	Smooth Textured Plaster	Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	**<1% Chrysotile**
AP53-R5-PL5A *221803646-0015*	Plaster	Gray/White Non-Fibrous Heterogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	**None Detected**
AP53-R6-PL5B-Wall paper *221803646-0016*	Plaster	Tan Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	**None Detected**
AP53-R6-PL5B-Plaster *221803646-0016A*	Plaster	Gray/White Non-Fibrous Heterogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	**None Detected**
AP53-R6-PL5C-Wall paper *221803646-0017*	Plaster	Various Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	**None Detected**
AP53-R6-PL5C-Plaster *221803646-0017A*	Plaster	Gray/White Non-Fibrous Heterogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	**None Detected**

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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**
AP53-R6-PL5D-Mastic *221803646-0018*	Plaster	Brown Fibrous Heterogeneous	25% Cellulose	75% Non-fibrous (Other)	**None Detected**
			Result includes a small amount of inseparable attached wallpaper		
AP53-R6-PL5D-Skim Coat *221803646-0018A*	Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
AP53-R6-PL5D-Plaster *221803646-0018B*	Plaster	Beige Non-Fibrous Homogeneous	<1% Hair	100% Non-fibrous (Other)	**None Detected**
AP53-R4-PL5E-Wallpaper *221803646-0019*	Plaster	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	**None Detected**
AP53-R4-PL5E-Skim Coat *221803646-0019A*	Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
AP53-R4-PL5E-Plaster *221803646-0019B*	Plaster	Beige Non-Fibrous Homogeneous	<1% Hair	5% Ca Carbonate 95% Non-fibrous (Other)	**None Detected**
AP53-R2-FT6A *221803646-0020*	Red Furnace Tape	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
AP53-R3-FT6Q *221803646-0021*	Red Furnace Tape	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
AP53-R3-FT6B *221803646-0022*	Red Furnace Tape	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
AP53-R1-FT6C *221803646-0023*	Red Furnace Tape	Red/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**

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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**
AP53-R3-MF7A-Black Mastic *221803646-0024*	Multi-layer Flooring	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
AP53-R3-MF7A-Floor Tile *221803646-0024A*	Multi-layer Flooring	Tan Non-Fibrous Homogeneous		96% Non-fibrous (Other)	**4% Chrysotile**
AP53-R3-MF7A-Tan Mastic *221803646-0024B*	Multi-layer Flooring	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
AP53-R3-MF7A-Sheet Flooring *221803646-0024C*	Multi-layer Flooring	Gray/Yellow Fibrous Homogeneous	20% Cellulose 5% Synthetic	75% Non-fibrous (Other)	**None Detected**
AP53-R3-MF7A-Adhesive *221803646-0024D*	Multi-layer Flooring	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
AP53-R3-MF7B-Black Mastic *221803646-0025*	Multi-layer Flooring	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
AP53-R3-MF7B-Floor Tile *221803646-0025A*	Multi-layer Flooring	Tan Non-Fibrous Homogeneous		97% Non-fibrous (Other)	**3% Chrysotile**
AP53-R3-MF7B-Tan Mastic *221803646-0025B*	Multi-layer Flooring	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
AP53-R3-MF7B-Sheet Flooring *221803646-0025C*	Multi-layer Flooring	Gray/Yellow Fibrous Homogeneous	20% Cellulose 5% Synthetic	75% Non-fibrous (Other)	**None Detected**
AP53-R3-MF7C-Black Mastic *221803646-0026*	Multi-layer Flooring	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**

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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**
AP53-R3-MF7C-Floor Tile *221803646-0026A*	Multi-layer Flooring	Tan Non-Fibrous Homogeneous		96% Non-fibrous (Other)	**4% Chrysotile**
AP53-R3-MF7C-Tan Mastic *221803646-0026B*	Multi-layer Flooring	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
AP53-R3-MF7C-Sheet Flooring *221803646-0026C*	Multi-layer Flooring	Brown/Yellow Fibrous Homogeneous	40% Cellulose 3% Synthetic	57% Non-fibrous (Other)	**None Detected**
AP53-B-T8A *221803646-0027*	Heavy Texture	Tan/White Non-Fibrous Heterogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	**None Detected**
			Inseparable paint / coating layer included in analysis		
AP53-B-T8B *221803646-0028*	Heavy Texture	Tan/White Non-Fibrous Heterogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	**None Detected**
			Inseparable paint / coating layer included in analysis		
AP53-B-T8C *221803646-0029*	Heavy Texture	White Non-Fibrous Heterogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	**None Detected**
			Inseparable paint / coating layer included in analysis		
AP53-B-PL9A *221803646-0030*	Plaster	Gray/Tan/White Non-Fibrous Heterogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	**None Detected**
AP53-B-PL9B *221803646-0031*	Plaster	Gray Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	**None Detected**
AP53-B-PL9C-Plaster *221803646-0032*	Plaster	Gray/White Non-Fibrous Heterogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	**None Detected**
			Inseparable paint / coating layer included in analysis		

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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**
AP53-B-PL9C-Brick *221803646-0032A*	Plaster	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
AP53-B-BM10A-Brick *221803646-0033*	Brick/Mortar	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
AP53-B-BM10A-Mortar *221803646-0033A*	Brick/Mortar	Gray Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	**None Detected**
AP53-B-BM10B-Brick *221803646-0034*	Brick/Mortar	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
AP53-B-BM10B-Mortar *221803646-0034A*	Brick/Mortar	Gray Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	**None Detected**
AP53-B-BM10C-Brick *221803646-0035*	Brick/Mortar	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
AP53-B-BM10C-Mortar *221803646-0035A*	Brick/Mortar	Gray Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	**None Detected**
AP53-EX-R11A-Shingle 1 *221803646-0036*	Roofing	Brown/Tan/Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	**None Detected**
AP53-EX-R11A-Shingle 2 *221803646-0036A*	Roofing	Black/Blue Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	**None Detected**
AP53-EX-R11B-Shingle 1 *221803646-0037*	Roofing	Brown/Tan/Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	**None Detected**

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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**
AP53-EX-R11B-Shingle 2 *221803646-0037A*	Roofing	Black/Blue Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	**None Detected**
AP53-EX-R11C-Shingle 1 *221803646-0038*	Roofing	Black/Blue Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	**None Detected**
AP53-EX-R11C-Shingle 2 *221803646-0038A*	Roofing	Red/Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	**None Detected**
AP53-EX-ST12A *221803646-0039*	Stucco	Gray/White Non-Fibrous Heterogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	**None Detected**
		Inseparable paint / coating layer included in analysis			
AP53-EX-ST12B *221803646-0040*	Stucco	Gray/White Non-Fibrous Heterogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	**None Detected**
		Inseparable paint / coating layer included in analysis			
AP53-EX-ST12Q *221803646-0041*	Stucco	Gray/White Non-Fibrous Heterogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	**None Detected**
AP53-EX-ST12C *221803646-0042*	Stucco	Gray/White Non-Fibrous Heterogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	**None Detected**
		Inseparable paint / coating layer included in analysis			
AP53-EX-VB13A *221803646-0043*	Vapor Barrier	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	**None Detected**
AP53-EX-VB13B *221803646-0044*	Vapor Barrier	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	**None Detected**

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
AP53-EX-VB13C *221803646-0045*	Vapor Barrier	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	**None Detected**
AP53-AT-IN14A *221803646-0046*	Attic Insulation	Tan Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	**None Detected**
AP53-AT-IN14B *221803646-0047*	Attic Insulation	Tan Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	**None Detected**
AP53-AT-IN14C *221803646-0048*	Attic Insulation	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	**None Detected**
AP53-EX-WG15A *221803646-0049*	Window Glazing	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
AP53-EX-WG15B *221803646-0050*	Window Glazing	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
AP53-EX-WG15C *221803646-0051*	Window Glazing	Gray/Tan Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	**None Detected**

Inseparable paint / coating layer included in analysis

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

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

Initial report from: 05/31/2018 17:15:12

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: 221803646
Customer ID: ALLP62
Customer PO:
Project ID:

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

Project: 3066-017-A-AP53

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 05/23/2018 10:20 AM
Analysis Date: 05/29/2018 - 05/31/2018
Collected Date: 05/17/2018

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:	05/23/2018	Sample Receipt Time:	10:20 AM
Analysis Completed Date:	05/31/2018	Analysis Completed Time:	5:04 PM

Analyst(s):

Amanda Lang PLM (60)

Gentry Catlett PLM (30)

Samples Reviewed and approved by:

Amanda Lang, Asbestos Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

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

Initial report from: 05/31/2018 17:15:12

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

EMSL Order:	221803646
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:	05/23/18 10:20 AM
Analysis Date:	6/5/2018
Collected:	5/17/2018

Project: **3066-017-A-AP53**

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**
AP53-R3-PL4B-Plaster *221803646-0013A*	Smooth Textured Plaster	Gray Non-Fibrous Homogeneous		99.50% Non-fibrous (other)	**0.50% Chrysotile**
AP53-R2-PL4C-Plaster *221803646-0014A*	Smooth Textured Plaster	Beige Non-Fibrous Homogeneous		100.00% 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 06/05/2018 15:59:42

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

EMSL Order:	221803646
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:	05/23/18 10:20 AM
Analysis Date:	6/5/2018
Collected:	5/17/2018

Project: **3066-017-A-AP53**

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::	5/23/2018	Sample Receipt Time:	10:20 AM
Analysis Completed Date:	6/5/2018	Analysis Completed Time:	3:33 PM

Analyst(s):

Timothy Kleehammer PLM 400 Point Count (2)

Samples reviewed and approved by:

Amanda Lang, Asbestos Laboratory Manager
or other approved signatory

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 06/05/2018 15:59:42

OrderID: 221803646

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*: 221803646

EMSL Analytical, Inc.
1010 Yuma Street

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

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: 18-3066-017-A-APS3	**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
APS3-R6-TC1A	HEAVY TEXTURED COMPOSITE BOARD	—	5/17/2018
APS3-R6-TC1B		—	
APS3-R5-TC1C		—	
APS3-R4-TC1D		—	
APS3-R4-TC1E		—	
APS3-R1-TD2A	TEXTURED DRYWALL	—	
APS3-R1-TD2B		—	
APS3-R1-TD2C		—	

Client Sample # (s): **Total # of Samples:** 51

Relinquished (Client): [signature] **Date:** 5-22-18 **Time:** 410

Received (Lab): [signature] **Date:** 5/23/18 **Time:** 10:20 am

Comments/Special Instructions: EMFE 795473648095 1/4

Page 1 of 3 pages

OrderID: 221803646

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)*

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
AP53-R6-TC3A	SWIRL TEXTURED GYM BOARD	—	5/17/2018
AP53-R5-TC3B	↓	—	↓
AP53-R4-TC3C	↓	—	
AP53-R3-PL4A	SMOOTH TEXTURED PLASTER	—	
AP53-R3-PL4B	↓	—	
AP53-R2-PL4C	↓	—	
AP53-R5-PL5A	PLASTER	—	
AP53-R6-PL5B	↓	—	
AP53-R6-PL5C	↓	—	
AP53-R6-PL5D	↓	—	
AP53-R4-PL5E	↓	—	
AP53-R2-FT6A	RED FURNANCE TAPE	—	
AP53-R3-FT6D	↓	—	
AP53-R3-FT6B	↓	—	
AP53-R1-FT6C	↓	—	
AP53-R3-MF7A	MULTI LAYER FLOORING	—	
AP53-R3-MF7B	↓	—	
AP53-R3-MF7C	↓	—	
AP53-B-T8A	HEAVY TEXTURE	—	
AP53-B-T8B	↓	—	
AP53-B-T8C	↓	—	
AP53-B-PL9A	PLASTER	—	
AP53-B-PL9B	↓	—	
AP53-B-PL9C	↓	—	↓

***Comments/Special Instructions:**

Page 2 of 3 pages

OrderID: 221803646

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)*

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
AP53-B-BM10A	BRICK / MORTAR	—	5/17/2018
AP53-B-BM10B	↓	—	↓
AP53-B-BM10C	↓	—	
AP53-EX-R11A	ROOFING	—	
AP53-EX-R11B	↓	—	
AP53-EX-R11C	↓	—	
AP53-EX-ST12A	STUCCO	—	
AP53-EX-ST12B	↓	—	
AP53-EX-ST12C	↓	—	
AP53-EX-ST12D	↓	—	
AP53-EX-VB13A	VAPOR BARRIER	—	
AP53-EX-VB13B	↓	—	
AP53-EX-VB13C	↓	—	
AP53-AT-IN14A	ATTIC INSULATION	—	
AP53-AT-IN14B	↓	—	
AP53-AT-IN14C	↓	—	
AP53-EX-WG15A	WINDOW GLAZING	—	
AP53-EX-WG15B	↓	—	
AP53-EX-WG15C	↓	—	↓

***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:	201805537
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:	05/22/18 10:00 AM
Collected:	5/17/2018

Project: **18-3066-017-L-53**

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

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Weight*	*Lead Concentration*
AP53-R6-L-1	*201805537-0001*	5/17/2018	5/23/2018	0.2564 g	0.014 % wt
	Site: Room 6				
AP53-R6-L-2	*201805537-0002*	5/17/2018	5/23/2018	0.2575 g	0.069 % wt
	Site: Room 6				
AP53-R6-L-3	*201805537-0003*	5/17/2018	5/23/2018	0.2583 g	0.029 % wt
	Site: Room 6				
AP53-BASE-L-4	*201805537-0004*	5/17/2018	5/23/2018	0.2569 g	0.015 % wt
	Site: Basement				
AP53-Ex-L-5	*201805537-0005*	5/17/2018	5/23/2018	0.2550 g	0.075 % wt
	Site: Exterior				
AP53-Ex-L-6	*201805537-0006*	5/17/2018	5/23/2018	0.2515 g	<0.0080 % wt
	Site: Exterior				
AP53-R1-L-7	*201805537-0007*	5/17/2018	5/23/2018	0.2528 g	0.085 % wt
	Site: Room 1				

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 05/25/2018 09:18:32

OrderID: 201805537

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

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID *(Lab Use Only)*: 201805537

Company : All-Phase Environmental Consultants, Inc.	**EMSL-Bill to:** ☑ Same ☐ Different 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:** US
Report To (Name): Richard Ralston	**Telephone #:** 719-545-0375
Email Address: rick@allphaseenvironmental.com	**Fax #:** **Purchase Order:**
Project Name/Number: 18-3066-017-L-53	**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
1. AP	53-R6-L-1	Room 6	NA	May 17, 2018
2. AP	53-R6-L-2	Room 6	"	

Client Sample #s - **Total # of Samples:** 7

Relinquished (Client):	RRalston	**Date:**	5/21/2018	**Time:**	547
Received (Lab):		**Date:**	5/22/18	**Time:**	10am EMSLF

Comments:
BillTo: All-Phase Environmental Consultants, Inc., 721 W. 9th Street, Pueblo, CO, 81003, US
Attention: Rick Ralston Phone: 719-641-6936 Email: rick@allphaseenvironmental.com Purchase Order:

OrderID: 201805537

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

EMSL ANALYTICAL, INC.
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EMSL ANALYTICAL, INC.
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LEAD (Pb) CHAIN OF CUSTODY

EMSL ORDER ID *(Lab Use Only)*: 201805537

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

	Sample #	Location	Volume/Area	Date/Time Sampled
3. AP	53-BG-L-3	ROOM 6	N/A	May 17-2018
4. AP	53-BASE-L-4	BASEMENT	↓	↓
5. AP	53-EX-L-5	EXTERIOR		
6. AP	53-EX-L-6	" "		
7. AP	53-R1-L-7	ROOM 1	↓	↓

Comments/Special Instructions:

BillTo: All-Phase Environmental Consultants, Inc., 721 W. 9th Street, Pueblo, CO, 81003, US
Attention: Rick Ralston Phone: 719-641-6936 Email: rick@allphaseenvironmental.com Purchase Order:

Controlled Document — COC-25 Lead (Pb) – R8 – 7/19/2017

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:	201805522
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:	05/22/18 10:00 AM
Collected:	5/17/2018

Project: **18-3066- 017-TCLP-53**

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

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Lead* ***Concentration***
AP-53-TCLP-1	*201805522-0001*	5/17/2018	5/24/2018	0.63 mg/L
	Site: Throughout AP53			

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 05/25/2018 09:36:35

OrderID: 201805522

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID *(Lab Use Only)*: 20180552 2

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 W. 9th Street	
City: Pueblo **State/Province:** CO	**Zip/Postal Code:** 81003 **Country:** US
Report To (Name): Richard Ralston	**Telephone #:** 719-545-0375
Email Address: rick@allphaseenvironmental.com	**Fax #:** **Purchase Order:**
Project Name/Number: 18-3066-017-TCLP-53	**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
(1) AP-53-TCLP-i	Thru out AP-53	APROX ½ LB	MAY 17-2018

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

Relinquished (Client):	RRalston	**Date:**	May 21-2018	**Time:**	541
Received (Lab):	CustomK	**Date:**	5/22/18	**Time:**	10am Emsa

Comments:
BillTo: All-Phase Environmental Consultants, Inc., 721 W. 9th Street, Pueblo, CO, 81003, US
Attention: Rick Ralston Phone: 719-641-6936 Email: rick@allphaseenvironmental.com Purchase Order:

6b. Asbestos Abatement Project Design

Foothills Environmental, Inc.

Industrial Hygiene, Safety & Environmental Services

(Version 1, 10/22/18)

ASBESTOS ABATEMENT PROJECT DESIGN

SINGLE FAMILY RESIDENCE ABATEMENT PROJECT

4608 JOSEPHINE STREET
DENVER, COLORADO 80216

PREPARED FOR:

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

October 22, 2018

FEI Project Number: AS18207-7

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

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

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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 June 27, 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.)
AP53-R6-TC1A	ROOM 6	TEXTURE 3%CHRYSOTILE	PLM	Good	HEAVY TEXTURED COMPOSITE BOARD	WALLS OF ROOMS 4, 5 & 6	RACM	1,300
AP53-R6-TC1B		TEXT 3%CHRYSOTILE	PLM	Good			RACM	
AP53-R5-TC1C	ROOM 5	TEXTURE 3%CHRYSOTILE	PLM	Good			RACM	
AP53-R4-TC1D	ROOM 4	TEXTURE 3%CHRYSOTILE	PLM	Good			RACM	
AP53-R4-TC-1E		TEXTURE 2%CHRYSOTILE	PLM	Good			RACM	
AP53-R6-TC3A	ROOM 6	TEXTURE 3%CHRYSOTILE	PLM	Good	SWIRL TEXTURED COMPOSITE BOARD	CEILINGS OF ROOM 4, 5 & 6	RACM	445
AP53-R5-TC3B	ROOM 5	TEXTURE 2%CHRYSOTILE	PLM	Good			RACM	
AP53-R4-TC3C	ROOM 4	TEXTURE 2%CHRYSOTILE	PLM	Good			RACM	
AP53-R3-MF7A	ROOM 3	FLOORING 4% CHRYSOTILE	PLM	Good	MULTI-LAYERED FLOORING	FLOOR TILE OF ROOM 3	RACM	200
AP53-R3-MF7B		FLOORING 3% CHRYSOTILE	PLM	Good			RACM	
AP53-R3-MF7C		FLOORING 4% CHRYSOTILE	PLM	Good			RACM	

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 26, 2018
Project Completion Date: December 7, 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 26, 2018

Finish: December 7, 2018

Textured wallboard and vinyl floor tile in all designated areas will be completed in one full containment.

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.

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 window glazing compound.

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 12/7/18.

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)***

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

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 and Floor Tiles (Full Containment)

A	=	34	x	25	x	9	=	7650	cubic feet
B	x	C	=	22,500					
7650		/		22,500		=	0.34		

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 mil 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

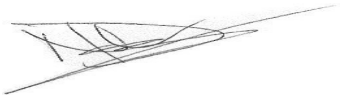
- Hooded Tyvek suits
- Safety Glasses with side shields (exception – not required when wearing a full face respirator).
- Leather Gloves
- Safety toe boots
- Fall Protection as required.
- PPE per MSDS / SDS requirements.

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:



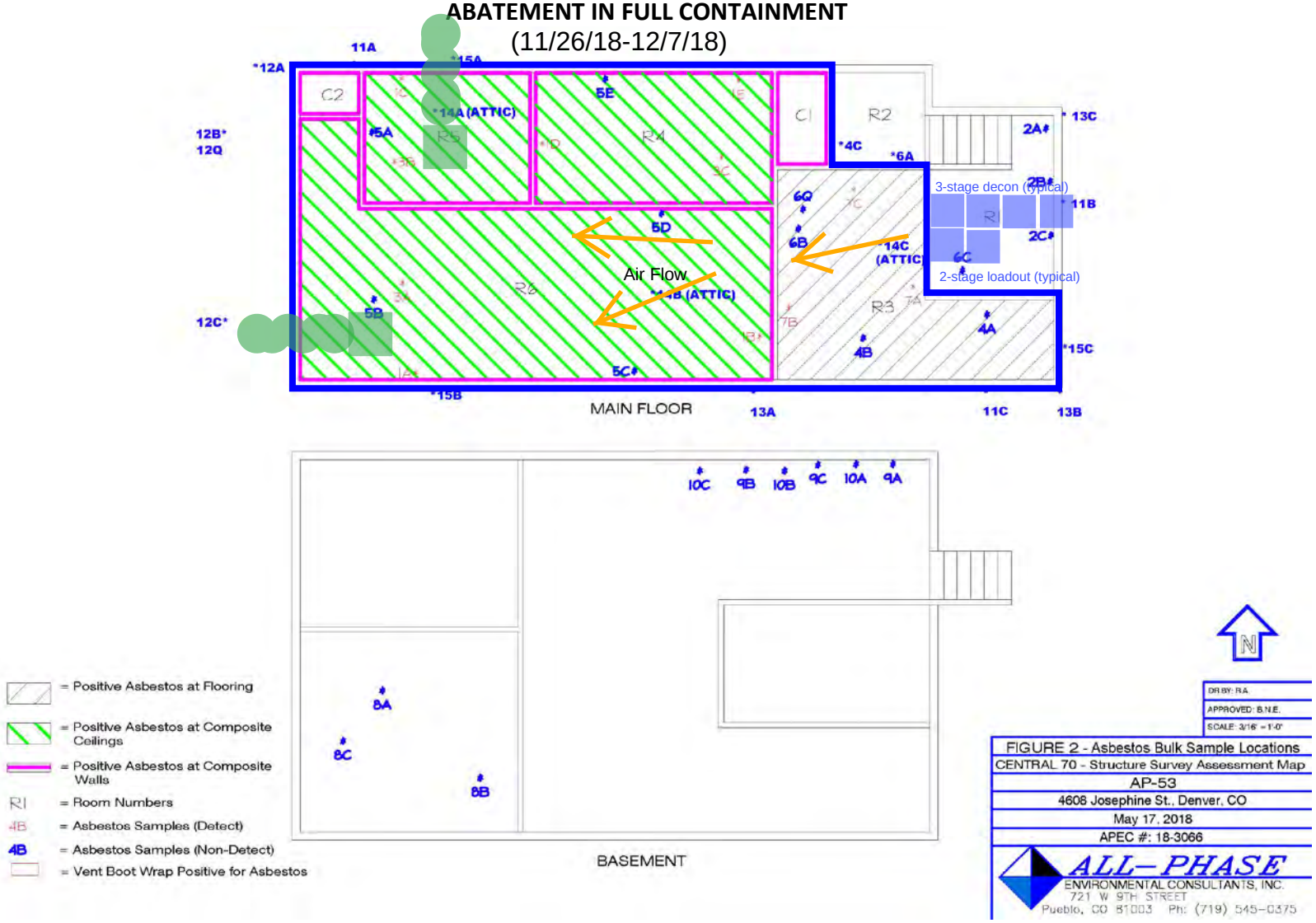
Nicolas D. Vasquez CDPHE Asbestos Project Designer Certificate # 22566

Foothills Environmental Asbestos Consulting Firm CDPHE Registration # 14925

Appendix A

Drawings

ABATEMENT IN FULL CONTAINMENT
(11/26/18-12/7/18)



Drawing excerpted from All-Phase Inspection

4608 JOSEPHINE STREET DENVER, CO (Not to Scale)	FEI Project #AS18207-7	Date: 10/22/18	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

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ENGINEERING, INC.
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Pre-Demolition Survey
And General Demolition Plan
For
4608 Josephine Street
Denver, CO 80216

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

June 25, 2018
Project No: 180113

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

ANCHOR
ENGINEERING, INC.
www.anchoreng.com

June 25, 2018

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

Re: 4608 Josephine Street, Denver, CO 80216
Pre-Demolition Engineering Survey per OSHA 1926.850(a)
And General Demolition Plan

Date of Observation: 06/20/18

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 20, 2018.

For the purpose of this report, there is one building on the property. The front elevation of the building faces west and is parallel to Josephine Street. At the time of our visit the building was 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: 4608 Josephine 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 4608 Josephine 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 building is a single-story residential structure and is assumed to be founded on a spread footings. The structure has a full basement with a combination of concrete and multi-wythe brick foundation walls and a concrete slab on grade floor. The building is approximately 20'x50' with the long direction oriented east to west. The wall and roof framing is assumed to be composed of dimension lumber framing.

Existing Condition Observation

During our site visit we made visual observations from the inside of the structure and around the building perimeter. The structure was 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 building is 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 building superstructure may be collapsed into the basement starting at either the east or west sides of the building and proceeding thru the length of the building in the east to west direction. Do not drive equipment onto the footprint of the building until the structure has been collapsed. Once the roof, walls, and floor systems are demolished, the basement slab on grade and foundation can be removed in any sequence.

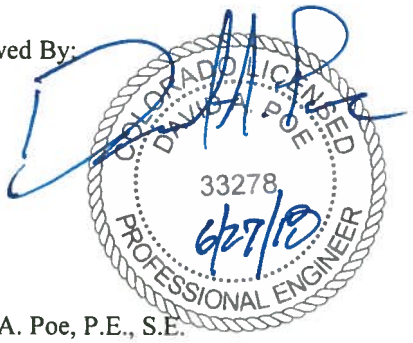
Closing

This report constitutes an engineering review and summary of the pre-demolition condition of the structural systems of the subject building 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.

November 9, 2018

Interior Air Monitoring Clearance (textured walls and ceilings/flooring)

Re: AP-53 – 4608 Josephine St.
Denver, Colorado 80216

To Whom It May Concern:

On, November 8, 2018, Rick Ralston, 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 four (4) 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 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 November 8, 2018
.

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

Sincerely,

Richard Ralston

Richard L. Ralston
Colorado Certified Asbestos Inspector - 4261
Colorado Certified AMS - 4261

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 (008)
Customer ID:

Attn: Stephen Di Nardo
JKS Industries

AP-53 Final Clearance
Customer Project Ref.: 4608 Josephine-Den Co

Phone: (303) 238-0207
Email: spdinardo@jksindustries.net
Received: 11/08/2018
Analysis Date: 11/08/2018
Sample Date: 11/08/2018

Sample ID	Location	Volume (Liters)	Fibers	Fields	Fibers/mm^2	Fibers/cc	Type of Sample
#53-1	Kitchen	720	13.0	100	16.6	0.009	air
#53-2	Living rm-E end	640	10.0	100	12.7	0.008	air
#53-3	Living rm-w end	640	11.0	100	14.0	0.008	air
#53-4	Bedroom Frt	640	11.0	100	14.0	0.008	air
#53-5	Bedroom Back	640	12.0	100	15.2	0.009	air
#53-6	Blank	0	0	100	0	0	Blank
#53-7	Blank	0	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)

Richard Ralston

Richard Ralston, Laboratory Director
or other approved signatory

Samples were anlayzed in accordance with NIOSH 7400 or OSHA ID-160 Methods by analysts successfully participating in the AIHA PAT program. APEC maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by APEC. APEC bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The Client assumes full and complete responsibility for all uses and/or application sof this report. APEC makes no guarantee as to the nature or accuracy of sample collection. APEC is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. Samples received in good condition unless otherwise noted.
Samples analyzed by APEC, Pueblo, CO.

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

Jacqueline Barela
Authorized APCD Representative

SEAL

8. Materials Summary

December 27, 2018

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

RE: AP-53 4608 Josephine St. – Summary of Removed Materials

Dear Jenn,

Below is a summary of the materials removed from 4608 Josephine 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	1745 SF
Vinyl Asbestos Tiles	200 SF
Regulated Building Materials	2 Lightbulbs, 5 gal Latex Paint, 1 Microwave, 1 Fridge
Clean Demolition Debris	478,800 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

CANA 4062

WO# 141724

CWMI

WM WASTE MANAGEMENT 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	2234861

GENERATOR

5. Generator's Name and Mailing Address
COLORADO DEPARTMENT OF TRANSPORTATION
747 SHERIDAN BLVD UNIT 9A
LAKEWOOD CO 80214

Generator's Project Address (if different than mailing address)
AP-53
4608 Josephine St.
Denver CO 80216

Generator's Phone: (303) 512-5909

6. Transporter 1: Complete Company Name and Address
5280 Waste Solutions 608 W62 Denver Co 80221

Transporter Phone 720-884-0300

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 1267750D			28 yd.		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 14025 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	05	18

TRANSPORTER

16. Transporter Acknowledgement of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Tommy Atencio		11	16	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 # 326155

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	16	18

169-BLC-O 6 10498 (Rev. 10/14)

DESIGNATED FACILITY TO GENERATOR

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: 11-21-18 Project: AP-53 Prepared By: Jesus Casarez

Arrival Time		Departure Time		Load #	Truck #	Material Code	Description	Tons/Yards	Dump Site	Dump Site Ticket Number
11-21 8:20	am / pm	8:35	am / pm	1	CH333	trash	Demo debris	18 yds	Dads	
8:35	am / pm	8:50	am / pm	2	CH575	trash	Demo debris	18 yds	Dads	
10:20	am / pm	10:35	am / pm	3	CH333	trash	Demo debris	18 yds	Dads	
10:45	am / pm	11:05	am / pm	4	CH575	trash	Demo debris	18 yds	Dads	
12:25	am / pm	12:50	am / pm	5	CH333	trash	Demo debris	18 yds	Dads	
1:10	am / pm	1:30	am / pm	6	CH575	trash	Demo debris	18 yds	Dads	
3:00	am / pm	3:15	am / pm	7	CH575	trash	Demo debris	18 yds	Dads	
3:20	am / pm	3:40	am / pm	8	CH333	trash	Demo debris	18 yds	Dads	
11-26 8:00	am / pm	8:15	am / pm	9	CH333	trash	Demo debris	18 yds	Dads	
8:15	am / pm	8:30	am / pm	10	CH575	trash	Demo debris	18 yds	Dads	
8:30	am / pm	8:45	am / pm	11	CH343	trash	Demo debris	18 yds	Dads	
10:00	am / pm	10:20	am / pm	12	CH333	trash	Demo debris	18 yds	Dads	
10:20	am / pm	10:40	am / pm	13	CH575	trash	Demo debris	18 yds	Dads	
10:40	am / pm	10:55	am / pm	14	CH343	trash	Demo debris	18 yds	Dads	
12:00	am / pm	12:15	am / pm	15	CH333	trash	Demo debris	18 yds	Dads	
12:15	am / pm	12:35	am / pm	16	CH575	trash	Demo debris	18 yds	Dads	
12:35	am / pm	12:50	am / pm	17	CH343	trash	Demo debris	18 yds	Dads	
2:35	am / pm	2:55	am / pm	18	CH333	trash	Demo debris	18 yds	Dads	
2:45	am / pm	3:05	am / pm	19	CH575	trash	Demo debris	18 yds	Dads	
	am / pm		am / pm							
	am / pm		am / pm							
	am / pm		am / pm							
	am / pm		am / pm							
	am / pm		am / pm							
	am / pm		am / pm							

Legend:
Materials:
R = Recycle
T = Trash

Description:
Concrete, Asphalt, Asbestos, Lumber, Construction Debris, Trash, Metals,

CHACON'S
construction & transport

№ 50386

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO: JKS Const

DISPATCHED BY:

DATE 11/21/18

TRUCK # CH575

TANDEM ☐ TRAILER ☒

MATERIAL DENT

JOB DESCRIPTION: I-70

DEMO	LOADS	UNLOADS
JOB#		
LOAD AT 2940 Stevenson DENVER	8:48 1 LOAD'S	AP-53
	10:41 "	AP-53
	1:20 "	AP-53
	3:30 4	AP-53
UNLOAD AT D.A.D.S		8
RATE $		
HOURLY ☐ TONMILE ☐		
START TIME 8:00am		
STOP TIME 5:30pm		
TOTAL HOURS 9½	MF	
	OWNER OF TRUCK:	

DRIVER'S NAME	AUTHORIZED SIGNATURE
MARK	

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. 8069

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO: JHS Const

DISPATCHED BY: chacons Const

DATE: 11-21-18

JOB DESCRIPTION:

TRUCK # CH333

TANDEM ☐ TRAILER ☒

MATERIAL Dirt

	LOADS	UNLOADS
JOB#	Loads 4	
LOAD AT 2440 Steavenson St Denver Co 80216	8:30 dads	Ap. 85
	10:30 dads	Ap. 85
	1:00 dads	Ap. 85
	3:00 dads	Ap. 85
UNLOAD AT Dads Pot		
RATE $		
HOURLY ☐ TONMILE ☐		
START TIME 8:00		
STOP TIME 500pm		
TOTAL HOURS 9 hrs		

OWNER OF TRUCK:

DRIVER'S NAME	AUTHORIZED SIGNATURE
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.

CHACONS
construction & transport

No. 8070

2920 W. 73rd Ave.
Westminster, CO 80030
Fax 303-331-8259
PH 720-357-1448

BILL TO:	Jhs Const	
DISPATCHED BY:	chacons Const	
DATE: 11-26-18	JOB DESCRIPTION:	
TRUCK # CH 333		
TANDEM ☐ TRAILER ☐		
MATERIAL Dirt		

	LOADS	UNLOADS
JOB#	loads #	
LOAD AT 4608 Josephine St Denver	7:50 dirt loads	Ap 53
	10:10 dirt loads	Ap 53
	12:15 dirt loads	Ap 53
	3:00 dirt loads	Ap 53
UNLOAD AT Dirt loads at		
RATE $		
HOURLY ☐ TONMILE ☐		
START TIME 7:45		
STOP TIME 5:00		
TOTAL HOURS		
9:15		
	OWNER OF TRUCK:	

DRIVER'S NAME	AUTHORIZED SIGNATURE
Justin Castillo	

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

№ 50387

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO: JKS		
DISPATCHED BY:		
DATE 11/26/18	JOB DESCRIPTION: I-70 DEMO	
TRUCK # CH 343		
TANDEM ☐ TRAILER ☒		
MATERIAL DEMO		
	LOADS	UNLOADS
JOB#	8:21	D.A.D.S AP-53
LOAD AT 2540 Stenger Ct. Denver CO.	10:36	" "
	12:52	" "
	3:30	" "
UNLOAD AT D.A.D.S		
RATE $		
HOURLY ☐ TONMILE ☐		
START TIME 8:00 AM		
STOP TIME ~~5:30 PM~~	3:30	
TOTAL HOURS	7½	
	OWNER OF TRUCK:	

DRIVER'S NAME	AUTHORIZED SIGNATURE
M.A.C.H	

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

№ 50345

2920 W. 73rd Ave
Westminster, CO 80030
FAX 303-487-5731
PH 720-357-1448

BILL TO:		
DISPATCHED BY:		
DATE 11/26/16	JOB DESCRIPTION:	
TRUCK # 1525		
TANDEM ☐ TRAILER ☐		
MATERIAL DIRT		

	LOADS	UNLOADS
JOB#		
LOAD AT 4608 Jason Mine St	1	DADS
	1	DADS
UNLOAD AT DADS		
RATE $		
HOURLY ☐ TONMILE ☐		
START TIME 5:00		
STOP TIME 5:14		
TOTAL HOURS		
1 hr		
	OWNER OF TRUCK:	

DRIVER'S NAME	AUTHORIZED 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.

10b. Waste Weight Tickets

WASTE MANAGEMENT

2476936

Denver Arapahoe Disposal
3500 S Gun Club , PO Box 460397
Aurora, CO, 80018
Ph: (720) 876-2620

Original
Ticket# 3268295

Customer Name JKSINDUSTRIESLLC JKS Industri
Ticket Date 11/21/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest
Destination
PO
Profile ()
Generator

Carrier JKS INDUSTRIES JKS INDUSTRIES
Vehicle# 1
Container
Driver
Check#
Billing # 0014925
Gen EPA ID
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	2 lb*
In	11/21/2018 10:45:04	MANUAL WT	SLA		Tare	1 lb*
Out	11/21/2018 10:45:04		SLA		Net	1 lb
			* Manual Weight		Tons	

Comments 8 LOADS REPLACEMENT TICKET FOR TICKET # 3265179

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	CDY-CONST DEBRIS -	100	144.00	Yards				

Total Fees
Total Ticket

402WM-N

Date: 11-21-18 Ticket#: Ap-53

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: 11-21-18 Ticket#: Ap-53

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: 11-21-18 Ticket#: 18-325

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: Marcell

Date: 11-21-18 Ticket#: AP-53

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 Castille

Date: 11-21-18 Ticket#: AP-53

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: 11-21-18 Ticket#: AP-53

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: M. Holt

Date: 11-21-18 Ticket#: AP-53

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: Russell

Date: 11-21-18 Ticket#: AP-53

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

WASTE MANAGEMENT

2476919

Denver Arapahoe Disposal
3500 S Gun Club , PO Box 460397
Aurora, CO, 80018
Ph: (720) 876-2620

Original
Ticket# 3257927

Customer Name JKSINDUSTRIESLLC JKS Industri
Ticket Date 11/26/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest
Destination
PO
Profile ()
Generator

Carrier JKS INDUSTRIES JKS INDUSTRIES
Vehicle# 1
Container
Driver
Check#
Billing # 0014925
Gen EPA ID
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	2 lb*
In	11/26/2018 08:43:05	MANUAL WT	SLA		Tare	1 lb*
Out	11/26/2018 08:42:05		SLA		Net	1 lb
			* Manual Weight		Tons	

Comments manual fror central 70 project from 11/26/18 198 cyds total for 11 loads @18cyd

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	CDY-CONST DEBRIS - 100		196.00	Yards				

Total Fees
Total Ticket

402WM-N

Date: 11-26-18 Ticket#: AP-56

ACCT#:306-14925

JKS INDUSTRIES
CENTRAL 70 PROJECT

11 x 18 = 198 cys

CDY 18 YDS ✓ 25 YDS HIGHSIDES_____

DISPOSAL SITE: DADS
3500 S GUN CLUB RD
AURORA CO 80018

DRIVER:

Signature: Justin Castello

Date: 11-26-18 Ticket#: AP-56

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: 11-26-18 Ticket#: Ap-56

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: 11-26-18 Ticket#: Ap-53

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: M.P.C#

Date: 11-26-18 Ticket#: AP-53

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: 11-26-18 Ticket#: AP-53

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: 11-26-18 Ticket#: AP-53

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: Josh Custello

Date: 11-26-18 Ticket#: AP-53

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: M. A-G

Date: 11-26-18 Ticket#: AP-53

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: 11-26-18 Ticket#: AP-53

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: Justin Castello

Signature: Justin Castello

Date: 11-26-18 Ticket#: AP-53

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:

11. Dump Diversion Summary

JKS Industries

AP-53: 4608 Josephine 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	19	342.00	1,400.00	478,800			
Demolition	Concrete Debris	Cubic Yard	12	-	-	4,050.00	-	x	-	0.00%
Demolition	Trees	Cubic Yard	-	-	-	500.00	-	x	-	0.00%
Demolition	Steel	Lbs	12	-	-	1,000.00	-	x	-	0.00%
Demolition	Copper	Lbs					-	x	-	0.00%
				19	342.00		478,800		-	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*

Jaks

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AP-53

Job #: 18-325

Date: 10-25-18 Set up day

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Nahle				
2. Jean Carlos Rocca				
3. Mónica Barrientos				
4. Alfredo Rincon	N/P	N/P	N/P	N/P
5. Tania Padron				
6. Ricardo Fuerte				
7. Paulina Durán				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

***Environmental Projects Only*

JKS INDUSTRIES

Visitors

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: AP-53

Job #: 18-325

Date: 10-26-18

Not containment

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Nahle				
2. Tania Padron				
3. Ricardo Fuerte			N/A	N/A
4. Monica Barrientos	N/A	N/A		
5. Ramiro Duran				
6. Jean Leccia				
7. Alfredo Rincon				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

***Environmental Projects Only*

Monday

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name:

Job #:

Date: 10-29-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Nahle	Martha Nahle			
2. Laura Durán	Laura Durán	7:45am.	11:50 a.m.	1:00
3. Tania Padron		7:48 a.m.	11:53 a.m.	1:03
4. Ricardo Fuerte		7:54 a.m.	12:05	1:08
5. Mónica Barrientos		7:50 a.m.	12:00 p.m.	1:05
6. Alfredo Rincon		7:53 a.m.	12:03	1:07
~~7. Tania padron~~	~~Tpl~~			
~~8. Tania padron~~	~~Tpl.~~			
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

***Environmental Projects Only*

tuesday

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name:

Job #:

Date: 10-30-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Nahle				
2. Mónica Barrientos	MB	7:45	11:50	12:30 3:28
3. Ramira Durán	RamiraDuran	7:47	11:52	12:31 3:30
4. Alfredo Rincon	ARR	7:51	11:59	12:36 3:37
5. Ricardo Fuerte		7:52	11:57	12:35 3:35
6. Evanira Pardue	EPC	7:49	11:54	12:32 3:32
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

***Environmental Projects Only*

Wed

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name:

Job #:

Date: 10-31-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Andre Williams				
2. Alfredo Plinio		7:45 - 11:50	- 12:27	- 3:27
3. Ramira Duran		7:53 11:59	1233	- 3:33
4. Monica Barriento		7:54 12:00	12:36	- 3:35
5. Ricardo Furate		7:46 - 1152	- 12:30	3:28
6. Tania padron		7:56 12:02	12:37	- 336
7. Paul William				
8. David Schlote		7:48 - 11:55	- 12:31	- 329
9. Deisy Arellanos		7:58 12:04	- 1236	3:40
10. Victor Leon		7:50 - 1157	- 12:32	- 3:30
11. Martha Nahle				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

***Environmental Projects Only*

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name:

Job #:

Date: 11-01-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Noble				
2. Paul Williams	7:45			
3. David Schlote	7:47 -	11:50	12:25	3:26
4. Monica Bordentos	7:52 -	11:54	12:27	3:27
5. Deisy Arellanos	7:53	11:55	12:29	3:28
6. Ramiro Durgin	7:54	11:56	12:30	3:30
7. Tania padron	7:55	11:57	12:32	3:31
8. Ricardo Fuerte	7:48	11:59	12:33	3:32
9. Alfredo Rincon	7:49	12:00	12:34	3:33
10. Andre Williams				
11. Victor Ulerman	7:50	12:01	12:35	3:35
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

***Environmental Projects Only*

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name:

Job #:

Date: 11-02-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. David Schlote	11:15			3:20
2. Martha Noble		No Lunch		
3. Victor Lerma	11:17			3:22
4. Ramira Duran	11:25		No Lunch	3:30
5. Fania Padron	11:27			3:32
6. Ricardo Fuentes	11:19	No Lunch		3:25
7. Alfredo Rincon	11:20			3:27
8. Deisy Arellanos	11:28		No	3:35
9. Monica Barrientos	11:29			3:37
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

***Environmental Projects Only*

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name: Al - High st.

Job #:

Date: 11-02-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Nahle		N/Lunch	N/Lunch	
2. Paul Williams	7:30			10:30
3. Victor	7:32			10:32
4. David	7:34			10:34
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

***Environmental Projects Only*

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name:

Job #:

Date: 11-05-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Marthe Xahle				
2. Victor Cermeño	7:20	12:00	12:30	3:30
3. Ana De Paz	—	12:01	12:31	3:31
4. Mónica Barrientos	7:26			12:00
5. Alcides Rincon	7:22			12:00
6. Tania Padron	7:28			12:00
7. Marcos da Rocha	7:23			12:00
8. Laura Duran	7:27	12:05	12:32	3:32
9. Jean Leccia	7:24	12:06	12:37	3:33
10. Lucia Gaspar	7:29	12:07	12:34	3:34
11. Deisy Arellanos				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

***Environmental Projects Only*

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET

Job Name:

Job #:

Date: 11-06-18

No containment — move out of site

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Marthe Hahle				
2. Deisy Arellanos				12:00 p.m
3. Ramera Duran				12:00
4. Jean Leccia				12:00
5. David Schlote				12:00
6. [illegible]				12:00
7. [illegible]				12:00
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

13. Daily Logs

Jueves

JKS Industries

ON-SITE DAILY SIGN- IN SHEET

Date : 10-25-18
Project Name: AP-53
Project NO: 18-325
Supervisor: Martha Nahle

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Martha Nahle	MN	JKS	7:30	12:00	12:30	4:30	8.5
Tania pachu	TP	JKS	8:00	12:00	12:30	4:30	8
Ricardo Fuente	RF	JKS	8:00	12:00	12:30	4:30	8
Mónica Barrientos	MB	JKS	8:00	12:00	12:30	4:30	8
Ramira Duran	RD	JKS	8:00	12:00	12:30	4:30	8
Jean Carlo Jr.	JC	JKS	8:00	12:00	12:30	4:30	8
Alfredo Rincon	AR	JKS	8:00	12:00	12:30	4:30	8
Ramira Duran	RD	JKS	8:00	12:00	12:30	12:30	4
Jean Carlo Jr.	JC	JKS	8:00	12:00	12:30	12:30	4
						TOTAL	~~56.5~~

48.5

JKS IDUSTRIES LLC DAILY PROJECT LOG

Jueves

Job # 18-325 Job Name AP-53 Report # 1

Date 10-25-18 Day thursday Month 1 Year 1

Project Manager _____ Superintendent Nathan Noble

Work Performed Today

1st day

8:00 a.m. Crew showed up, started sign in in the book and in tablet.
Have a safety meeating and finish it with the exercise.

8:45 a.m. teach the crew and show the job site explaing the plan of the day and begins to teach them how to make a critical barrier.

9:00 a.m Started with the pre clean of the work areer and remove the carpet from #4, #5, #6.

11:10 a.m We got the delivery with the vacumns and more ~~mm~~ equipment for Job AP49

12:00 lunch and comeback 12:30.
- Got back from lunch and continue with the pre clean and peping.

- 1:00 p.m. walk the jobsite for Job AP49 - and get the material ready for tha Job.
have two people to pep the secondary containment. on AP49
- 2:30 p.m. continue with peping and running all electrical cords. Leave at 4:30 p.m.

Weather:	
Temp. Hi ____ Low ____	
Safety Meeting	
Topic:	
Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	6
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity

Material Purchased/Delivered
- 2 boxes of Pop ups
- 2 Vacumns

Problems - Delays, Safety Issues

Subcontractor Progress

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 1

JKS Industries

ON-SITE DAILY SIGN- IN SHEET

Date : 10-26-18
Project Name: AP-53
Project NO: 18-325
Supervisor: Martha Nahle

Vinny

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Martha Nahle	MN	JKS	7:00	12:00	12:30	4:30	9
Tania Padron	TP	JKS	7:00	12:00	12:30	4:30	9
Ricardo Fuente	RF-M	JKS	7:00	12:00	12:30	4:30	9
Ramira Duran	R.D	JKS	7:00	12:00	12:30	4:30	~~9~~
Jean Leccia	J.L	JKS	7:00	12:00	12:30	4:30	~~9~~
Mónica Barrinto	MB	JKS	7:00	12:00	12:30	4:30	9
Alfredo Rincon	AR	JKS	7:00	12:00	12:30	4:30	9
Jean Carlo Le.	JL	JKS	1:00			4:30	3.5
Ramira Duran	RD	JKS	1:00			4:30	3.5
						TOTAL	~~63~~

52

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 18-325 Job Name: AP-53 Report # 2
Date 10-26-18 Day 2 Month 1 Year 1

Project Manager _____ Superintendent Matthew Nichols

Work Performed Today

2nd day

7:00 a.m. Crue showed up on time. Sign on tablet and book, Have a safety meeting and finish with streech.

7:45 a.m. Continue with peping on AP-53 and set up negative air machines line the dumpster

8:00 a.m. Move to AP-49 and continu with the peeping with the secondary and the removal of the paper in the vent.

10:00 a.m. started with the the Decon and load out.
12:00 p.m. lunche comeback at 12:30 p.m.
13:00 p.m. Sencondary finish, ready for visual. AP49.
13:15 p.m. Continue in AP53 with the full containment, line up the dumpster.
16:15 p.m. finish the peping, load out and Decon ready to go hot on monday Morning.

Weather: _____

Temp. Hi _____ Low _____

Safety Meeting

Topic:

Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	6
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity

Material Purchased/Delivered

Problems - Delays, Safety Issues

Subcontractor Progress

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 Industries

ON-SITE DAILY SIGN- IN SHEET

LUNCH

Date : 10-29-18
Project Name: AP-53
Project NO: 18-325
Supervisor: Martha Nahle

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Martha Nahle	MN	JKS	7:00	12:00	12:30	3:30	8
Ramiro a Duran	RD	JKS	7:00	12:00	12:30	3:30	8
Tania Padron	TP	JKS	7:00	12:00	12:30	3:30	8
Ricardo Fuente	RF	JKS	7:00	12:00	12:30	3:30	8
Monica Barrientos	MB	JKS.	7:00	12:00	12:30	3:30	8
Alfredo Rincon	AR	JKS	7:00	12:00	12:30	3:30	8
						TOTAL	48

Monday

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 18-325 Job Name: AP-53 Report # 3

Date 10-29-18 Day 3 Month 1 Year 1

Project Manager _____ Superintendent Nathan Dahle

Work Performed Today

3rd day

Monday 7:00 a.m. Crew showed up on time, sign in on Tablet and book, Safety meeting and Exercise.
7:45 a.m. Get in to containment to start Demo on Room #5 and #6.

10:00 a.m. Get AP.49 ready for visual. is been done since Friday so% been collecting dust for 2 days. Containment fail the visual and get ready to fix it.
12:00p.m. go to lunch Come back at 12:30p.m.
- AP.49 pass visual and got redy at 13:50 p.m. waiting for results
14:00 p.m. Bag out from AP-53.
Leave at 15:30

Weather: _____

Temp. Hi _____ Low _____

Safety Meeting

Topic:

Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	5
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity

Material Purchased/Delivered

Problems - Delays, Safety Issues

Subcontractor Progress

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

Tuesday

Date : 10-30-18
Project Name: AP-53
Project NO: 18-325
Supervisor: Martha Nahle

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Martha Nahle	MN	JKS	7:00	12:00	12:30	4:30	9
Monica Barriento	MB	JKS.	7:00	12:00	12:30	4:30	9
Karina Duran	RD	JKS	7:00	12:00	12:30	4:30	9
Alfredo Rincon	AR	JKS	7:00	12:00	12:30	4:30	9
Ricardo Fuerte	RF	JKS	7:00	12:00	12:30	4:30	9
Tania padron	EPC	JKS	7:00	12:00	12:30	4:30	9
						TOTAL	54

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 18-325 Job Name: AP-53 Report # 4

Date 10-30-16 Day 4day Month 1 Year 1

Project Manager _____ Superintendent Matthew Nichols

Work Performed Today

4thday

7:00 a.m. Crew on site on time, signin in book and tabbot, safety meeting and ~~ans~~ excersice

7:45 a.m. Get in containment and continue with the Demo and the bag out.

Go to lunch at 12:00 and comeback 12:30

13:30 Got a call the job AP-49 passed and move to the job sito to teardown and pick up equipment move everything back to AP-53

14:45 Get the water and containment redy for low tenpetures during the night finish the Demo in room #5 #6 and started the Demo in room #4.

Weather: _____

Temp. Hi _____ Low _____

Safety Meeting

Topic:

Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	5
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity

Material Purchased/Delivered

Problems - Delays, Safety Issues

Subcontractor Progress

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

Wed

ON-SITE DAILY SIGN- IN SHEET

Date : 10-31-18
Project Name: AP-53[redacted]
Project NO: 18-325
Supervisor: Andre Williams

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Andre Williams	aw	JKS	8:00	12:00	12:30	3:30	7
Alfredo Reynoso	AR	JKS	7:00	12:00	12:30	3:30	8
Monica Barrientos	MB	JKS	7:00	12:00	12:30	3:30	8
Ramsra Duran	RD	JKS	7:00	12:00	12:30	3:30	8
Ricardo Favela	RF	JKS	7:00	12:00	12:30	3:30	8
Tania Pagan	TP	JKS	7:00	12:00	12:30	3:30	8
Paul William	PW	JKS	8:00	12:00	12:30	3:30	7
David Schlote	DS	JKS	8:00	12:00	12:30	3:30	7
Daisy Arellanos	DA	JKS	8:00	12:00	12:30	3:30	7
Victor Leiva	VL	JKS	8:00	12:00	12:30	3:30	7
Martha Nolan	MN	JKS	7:00	12:00	12:30	3:30	8
						TOTAL	83

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 18-325 Job Name: AP-53 Report # 5
Date 10-31-18 Day 5th Month 1 Year 1

Project Manager _____ Superintendent [illegible]

Work Performed Today

5th day

7:00 a.m. Crew on time, signin in tablet and book, have safety meeting and exercise.

7:45 a.m. Continue with Demo and bag out switch negative air machine due to bad filter hepa.

8:00 a.m. André crew showe up and help us. lunch at 12:00 comeback at 12:30

13:00 Continue with demo, bag out, burritos.

Weather: _____

Temp. Hi _____ Low _____

Safety Meeting

Topic:

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

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 : 11-01-18
Project Name: AP-53
Project NO: 18-325
Supervisor: Martha Nahle

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Martha Nahle	MN	JKS	7:00	12:00	12:30	3:30	8
Paul W	PW	JKS	7:00	12:00	12:30	3:30	8
David S.	DS	JKS	7:00	12:00	12:30	3:30	8
Monica Barrientos	MB	JKS	7:00	12:00	12:30	3:30	8
Daisy Orellanos	DA	JKS	7:00	12:00	12:30	3:30	8
Karina Duran	RD	JKS	7:00	12:00	12:30	3:30	8
Tania Padron	TP	JKS	7:00	12:00	12:30	3:30	8
Ricardo Fuerte	RF	JKS	7:00	12:00	12:30	3:30	8
Alfredo Rincon	AR	JKS	7:00	12:00	12:30	3:30	8
Andrew Williams	AW	JKS	7:00	12:00	12:30	3:30	8
Victor Lorma	VL	JKS	7:00	12:00	12:30	3:30	8
~~Monica Barrientos~~	~~MB~~	~~JKS~~	~~7:00~~	~~12:00~~	~~12:30~~	~~3:30~~	~~8~~
						TOTAL	88

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 18-325 Job Name: AP-53 Report # 6
Date 11-01-18 Day 6th day Month 1 Year 1
Project Manager _____ Superintendent [signature]

Work Performed Today

6th day

7:00 a.m. Crew showed up in time, sign in on tablet and book, Safety meeting and exercise

7:45 a.m. Continue with the bag out and Demo

12:00 p.m take lunch and comeback at 12:30 p.m.

1:00 hrs Started the Demo of the linoleum on the kitchen and dinner area.

Continue with the bag out and burritos

Weather: _____

Temp. Hi _____ Low _____

Safety Meeting

Topic:

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

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 : 11-02-16
Project Name: AP-53
Project NO: 16-325
Supervisor: Martha Nahle

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Martha Nahle	MN	JKS	11:00	N/A	N/A	3:30	4.5
David Schlote	DS	JKS	11:00	12:00	12:30	3:30	4.
Victor Lerman	VL	JKS	11:00	12:00	12:30	3:30	4
Ramesa Dewan	RD	JKS	11:00	ø	ø	3:30	4.5
Tania Padua	TP	JKS	11:00			3:30	4.5
Ricardo Foek	RF	JKS	11:00			3:30	4.5
Alfredo Rincon	AR	JKS	11:00			3:30	4.5
Deisy Arellanos	DA	JKS	11:00			3:30	4.5
Monica Barcinto	MB	JKS	11:00			3:30	4.5
						TOTAL	39.5

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 14-325
Date 11-02-16
Job Name: AP-53
Day 7th day
Month /
Report # ___
Year /

Project Manager ___
Superintendent [illegible]

Work Performed Today	Weather: ___
7th day	Temp. Hi___ Low___
11:00 a.m. Crew showe up at 9:00 a.m. but they	Safety Meeting
have to wait, I was waiting for visual to	Topic:
run pumps, on high st. visual set up for 8:30am	Work Force / Number
but didnt happen till 9:45.	

Continue with the bag out and final cleaning - Getting everything ready for washing the containment.

Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	8
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity

Material Purchased/Delivered

Problems - Delays, Safety Issues

Delays: waiting on Rick for visual he say 8:30 a.m.
Shour up at 9:45 a.m.

Subcontractor Progress

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 : 11-02-18
Project Name: AL- High St.
Project NO:
Supervisor: Martha Noble

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Martha Noble	MN	JKS	7:00	✓	✓	11:00	4
Paul Williams	PW	JKS	7:00	✓	✓	11:00	4
Victor Lerma	VL	JKS	7:00	✓	✓	11:00	4
David	D	JKS	7:00	✓	✓	11:00	4
						TOTAL	16

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # _____ Job Name: AP-Hgst. Report # 1

Date 11-02-16 Day 1 Month 1 Year 1

Project Manager _____ Superintendent [signature]

Work Performed Today

7:00 a.m. Showe up with the crew to high st. sign in and do a safety meeting stretch. and get in containment to make sure everything is clean and ready for visual.
9:45 a.m. Hggonost showe up and get in container to do hes visual report.
10:30 passed the visual and instal the pumps and all hes eqorpment.

Weather:	
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

Problems - Delays, Safety Issues

Delays waiting on Parts for 1 hr and 15 minutes

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

Monday

JKS Industries

ON-SITE DAILY SIGN- IN SHEET

Date : 11-05-18
Project Name: AP- 53
Project NO: 18-325
Supervisor: Martha Nahle

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Martha Nahle	MN	JKS	7:00	12:00	12:30	3:30	8
Victor Lerma	VL	JKS	7:00	12:00	12:30	3:30	8
David Schlote	DS	JKS	7:00	12:00	12:30	3:30	8
P Williams	PW	JKS	7:00	12:00	12:30	3:30	8
Aura Deptiz	ADP	JKS	7:00	12:00	12:30	3:30	8
Monica Barriento	MB	JKS.	7:00			12:00	5
Alfredo Riacon	AR	JKS.	7:00			12:00	5
Tania padron	TP	JKS	7:00			12:00	5
Ricardo	R	JKS	7:00			12:00	5
Roseira Dunia	RD	JKS	7:00	12:00	12:30	3:30	8
Jean Leccia	JL	JKS	7:00	12:00	12:30	3:30	8
Lucia Gaspar	LG	JKS	7:00	12:00	12:30	3:30	8
Deisy Arellano	DA	JKS	7:00	12:00	12:30	3:30	8
						TOTAL	92

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # _____ Job Name: AP-53 Report # _____

Date 11-05-18 Day ~~11-05-18~~ 8th day Month 1 Year 1

Project Manager _____ Superintendent [signature]

Work Performed Today

8th day

7:00 a.m. showed up on time sign in Jobsite, and stretch.

7:45 a.m. Got in containment and finishing the wash and clean up all the tools and equipments.

double bag the rest of the trash, and get given them ready for final visual and Clearences

12:00 p.m go to lunch and comeback at 12:30

send 4 worker to another jobsite at 12:30p.m

Weather:	
Temp. Hi	Low
Safety Meeting	
Topic:	

Work Force	Number
Project Manager	
Project Supervisor	1
Operators	
Laborers	12
Tradesmen	
Other:	
Other:	
Other:	

Materials Used	Quantity

Material Purchased/Delivered

Problems - Delays, Safety Issues

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

JKS Industries

ON-SITE DAILY SIGN- IN SHEET

Date : 11-06-18
Project Name: AP-53 - AP-68
Project NO:
Supervisor: Martha Nahle

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Martha Nahle	MN	JKS	7:00			12:00	5
Deisy Arellanos	DA	JKS	7:00			12:00	5
Ramira Duran	RD	JKS	7:00			12:00	5
Jean Leccia	JL	JKS	7:00			12:00	5
Ana Depaz	ADP	JKS	7:00			12:00	5
David Schlote		JKS	7:00			12:00	5
Julian Gaspar		JKS	7:00			12:00	5
Victor Lerma	VL	JKS	7:00			12:00	5
						TOTAL	40

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # _____ Job Name: A1-53 - A8-68 Report # _____

Date 11-06-18 Day 9 Month 1 Year 1

Project Manager _____ Superintendent _____

Work Performed Today

9th day

7:00 a.m. Crew shows up at the jobsite on time, safety meeting and stretch

7:45 begin to pick up all the equipments and got ready to move to the new jobsite

* short day no permit or project design leave at 12:00 p.m.

Weather: _____

Temp. Hi _____ Low _____

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

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 Industries

ON-SITE DAILY SIGN- IN SHEET

Date : 11-2018
Project Name: AP-33
Project NO: 18.325
Supervisor: Jordan

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Dennis Nejo	DM	JKS	430	600			1.5
Wilmer Andrade	WA	JKS	430	600			15
						TOTAL	

JKS IDUSTRIES LLC DAILY PROJECT LOG

Job # 18-325 Job Name: AP-53 Report # _____

Date 11-20-18 Day _____ Month _____ Year 2018

Project Manager _____ Superintendent JONAS L

Work Performed Today

1:30PM install BMPS around Demo site.

420 PM Bring water wagon

Begin Demo down house stacking to make space for the night spray water no visible emissions

530 Shutdown down Generally cleaned up.

Moving water wagon Back Secured.

620 PM Site secure Left site.

Weather:	
Temp. Hi____Low____	
Safety Meeting	
Topic:	
Work Force	**Number**
Project Manager	1
Project Supervisor	
Operators	
Laborers	2
Tradesmen	
Other:	
Other:	6hrs
Other:	

Materials Used	Quantity

Material Purchased/Delivered

Problems - Delays, Safety Issues

Subcontractor Progress

Inspections

Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours

Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite

JKS Industries

ON-SITE DAILY SIGN- IN SHEET

Date : 11-20-18
Project Name: AP-53
Project NO:
Supervisor:

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Jesus Casado	JC	JKS	11:00AM	3:00 PM			
Jacob Ramirez	JR	JKS	11:00 AM	3:00 PM			
						TOTAL	

JKS Industries

ON-SITE DAILY SIGN- IN SHEET

Date : 11-21-18
Project Name: Ap.53
Project NO:
Supervisor:

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Jesus Casado	JC	JKS	7:00 AM	4:00 PM			
Jamrob Ramirez	JR	JKS	7:00AM	4:00 PM			
Josh Castillo	JC	Chacons	8:00Am [illegible]				
M[illegible] A. C[illegible]	MCM	Cancon's	8:00 Am				

TOTAL:

JKS Industries

ON-SITE DAILY SIGN- IN SHEET

Date : 11-26-18
Project Name: Ap - 53
Project NO:
Supervisor:

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Jesus Casado	JC	JKS	7:00 AM	5:00 PM			
Jamrob Ramirez	JR	JKS	7:00 AM	5:00 PM			
Justin Cahill	JC	Chacons Const	7:00am				
Jose Sanchez	JS	Chacon's	8:00 am				
M Hall	MHall	Chacon's	8:00am				
						TOTAL	