

Close Out Documents

<u>AP-74 – 4610 Clayton St.</u>

Asbestos Abatement and Structural Demolition

Prepared for:

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



Contents:

- 1. Closeout Letter
- 2. CDPHE Asbestos Abatement Permit
- 3. CDPHE Demolition Permit
- 4. JKS Asbestos Certifications
- 5. JKS Workers Asbestos Certifications
- 6. Project Design
 - a. SSAR
 - b. Asbestos Abatement Project Design
 - c. Pre-Demolition Engineering Survey
- 7. Asbestos Clearance Report
- 8. Materials Summary
- 9. Waste Manifests
 - a. Asbestos Waste Manifests
- 10. Weight Tickets
 - a. Daily Load Trackers and Associated Truck Tickets
 - b. Waste Weight Tickets
- 11. Dump Diversion Summary
- 12. Containment Entry/Exit Log
- 13. Daily Logs



1. Closeout Letter



February 11, 2019

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

Re: SSCR AP-74 4610 Clayton 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 4610 Clayton St. Denver, CO 80216, also referred as parcel AP-74, is complete.

The scope of work included asbestos abatement, demolition of an 861 square foot residential structure, demolition of a 356 square foot detached garage, and the removal of the curb and driveway. No Regulated Building Materials (RBMs) were found on the site.

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

Asbestos Abatement • Lead Abatement • Mold Remediation • Soil Remediation • Select Interior/Structural Demolition jksindustries.net • 0:303.238.0207 • F: 303.238.0452 • 747 Sheridan Blvd. #9A, Lakewood, CO 80214 Veteran Owned • Certified: MBE, DBE, SBE

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 12/20/2018 through 1/4/2019.

Approval issued on: 11/5/2018 Record number: 143025

Notice Number: 18DE7238A-20

Variance: None Comments: None

For the location specified below:

AP-74 residential Basement 4610 Clayton 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: WAIVED Certification No.: 15045

Issued by: CA

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ASBESTOS ABATEMENT NOTIFICATION and PERMIT APPLICATION FORM FEE MUST ACCOMPANY THIS FORM. INCOMPLETE APPLICATIONS WILL BE RETURNED.

Colorado Department of Public Health and Environment

> 50 LF or 32 SF or a 55-gal. drum, but < 260 LF or 160 SF or a 55-gallon drum Single Family Residential Dwelling (SFRD) code 180/280] code 205] code 265 code 290] code 230] code 210] code 200] \$300 \$180 \$0 \$55 \$420 \$60 \$60 90-Day Permit **30-Day Permit** Non-Public Access Notice (Opt Out) Courtesy Notice Notice or Permit Transfer 365-Day Permit Notice Residential Dwelling: > 260 LF or 160 SF or a 55-gallon drum Public and Commercial Building, School, and Single-Family [code 190/292] [code 165/267] code 130/232 [code 173] [× code 110] code 105] code 100] \$80 \$800 \$80 \$400 \$0 \$1200 \$80 90-Day P&C/SFRD Permit Non-Public Access Notice Courtesy Notice Phase 20 of Multiple Phase Permit # 365-Day P&C/SERD Perm Notice 30-Day P&C/SFRD Permit Submit form to: Permit Coordinator asbestos@state.co.us Fax: 303-782-0278 Denver, CO 80246-1530 Phone: 303-692-3100 4300 Cherry Creek Drive South APCD-IE-B1 Colorado Dept. of Public Health and Environment

Abateme	Abatement Contractor	Apatement Site	
Company Name	JKS Industries	Building Name AP-74 Residential	Owner Name CDOT
Street Address 747 Sheri	747 Sheridan Blvd. Unit 9A	Specify location in the building where work will take place (e.g. floor, room, wing, etc.) Basement	Contact Athony DaVito
City	State Zip code CO 80214	Street Address 4610 Clayton Street	Street Address 2000 S. Holly St.
Telephone #	Fax#	City County Denver Zip code 80216	City Denver CO 80222
Project Supervisor Andre Williams	-	ug Messier (817) 320-6749	Fax#
Projec	Project Personnel	Project Information	Disposal Site
CO Project Mgr. Name See Project Mana	Mgr. Name See Project Manaer Waiver form from CDOT	Start Date (12/20/2018 End Date 1/4/2016)	Landfill Name Denver Arapahoe Disposall
Cell Phone # ()	CO Project Designer #	Start Time 6:30am AM PM	Street Address 3500 South Gun Club Road
CO Project Designer Name Da	e Daniel Beecke	Check the day(s) of operation: Su M Tu W Th F Sa □ ⊠ ⊠ ⊠ ⊠ ⊠ ⊠	City Aurora CO 80018
Cell Phone # (303) 232-2660	CO Project Designer # 1947	Emergency? Y NX Type of ACM: TSI, Texture, VAT, etc. Paper Duct Wrap	CDPHE Use Only
Consulting Firm Name All Phase Consulting, Inc	g, Inc. Registration #	Linear Feet / Type Square Feet / Type 55 gal. Drums	Postmark or Delivery date
A.M.S. Name	Logan Greenfield	25 SF of Paper Duct Wrap	Form of Payment & # PM red d? Y N
Cell Phone # (719) 545-0375	CO A.M.S. Cert # 20715		Permit# 72 TA A A Record # 2 Date Issued:

ceiling tile, TSI, etc.). Use another page if necessary. Please describe below the work practices and procedures to be employed in conducting the abatement of asbestos. <u>BE SECURE</u>, indicate type(s)

cats claw, crow bar and chisels) the material will be kept wet (1500 psi airless sprayer with amended water). The material will be enclosed in a glovebag and a secondary containment, will employ negative air pressure, a two chamber decontaminatin with HEPA vaccum and wet rags. This work will be completed per the Appendix A small scale projects guide lines. All work will be in accordance with Colorado Regulation #8 Part B. The secondary glove bag conatinment will be inspected and cleared by a State Certified AMS This Phase 2 Oproject will consist in removal and disposal of 25 SF of paper duct warp under a secondary Glovebag containmnet. The friable materials will be removed using small hand tools (carpenters hammer



3. CDPHE Demolition Permit

Asbestos Abatement • Lead Abatement • Mold Remediation • Soil Remediation • Select Interior/Structural Demolition jksindustries.net • 0:303.238.0207 • F: 303.238.0452 • 747 Sheridan Blvd. #9A, Lakewood, CO 80214 Veteran Owned • Certified: MBE, DBE, SBE

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

DEMOLITION APPROVAL NOTICE

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

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

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

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

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

This demolition approval notice is valid beginning 12/26/2018. The actual scheduled work dates are from 12/26/2018 through 1/31/2019.

Approval issued on: 12/27/2018 Record number: 144521 Notice Number: 18DE8619D

For the location specified below:

AP-74 Residential

4610 Clayton St. Denver Denver County

This notice has been issued to:

JKS Industries, Inc. 747 Sheridan Blvd. Unit 9A Lakewood, CO 80214 Fee Paid: \$55.00 Check number: 5890

Asbestos Building Inspector: Logan Greenfield Cerification No.: 20715

Inspection Date: 12/19/2018

Issued by:

Jeff Molf



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)

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

olorado Department of Public Health and Environment

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

	Company Name:				Building Name: AP-74 Residential			
-	JKS Industries Street:				Square footage of footprint of facility or portion of facility to be demolished			
or	747 Sheridan Blvd. #9A			861 Street:				
acto	City: Lakewood			Site) Clayton St.		
ontra	Telephone # (303) 238-0207	Fax # (303) 238-			City:	County: Denver	Zip Code: 80216	
Ŭ	Project Manager:	Cell Phone #		itio	Proposed Start Date	Proposed Comple		
Demolition Contractor	Jeffrey Knight	(720) 402-	-4410	loc	12/26/2018 1/31/2019			
	I certify that the Certified Asbestos Building Inspector has informed me about any remaining asbestos-containing materials in the facility to be demolished.			Demolition	Method/Means of Demolition:			
	Signature: Print Name: Jeffrey Knight							
	Landfill Receiving Building Debris: Denver Arap	ahoe Disposal	Site		[†] Burning requires additional autho to speak to the Open Burning Perr	rization – Please call (3 nit Coordinator	03) 692-3100 and as	
	General Abatement Contractor (GAC) JKS Industries CDPHE Asbestos Permit # 18DE7238A-20 Total Quantity of Asbestos Removed 25 SF		ler	Owner's Name:	CDOT			
oval			9 Owner	Street: 2000 S Holly St.				
Aspestos Removal Contractor	Date Removal Completed	Telephone # (303) 238-	0207	Building	City: Denver	State: CO	Zip Code: 80222	
1-0	Type(s) of Asbestos-Containing Material Removed: 25 SF Paper Duct Wrap With my signature below, I certify that I possess curre			Contact's Name: Anthony DaVito		12-5900		
Certified Asbestos Inspector Certification	Spray-applied tar c Signature: (In Blue Ink) Date of Final Inspection CO	or tile (VAT) coatings C	VAT mastic	Tar/as	sphalt impregnated roofing Other, specify: ed Name: Logan Green ohone # (719)545-037		pe coatings	
Building Owner or Contractor	I verify that all refrigerants fr 15 (for information on CFC r	rom air conditioni requirements call with 6 CCR 1007-	ng/refrigeration appli	iances h	have been properly recovered in that all luminous exit signs (contain ation on luminous exit sign requi	ning radioactive mat	CC Regulation No erial) have been	
vne	Building Owner	Contra	ctor	Other		Date: 12/1	4/16	
Ow Con	Signature:			Print	VEFFNEY HAN	ield "	0110	
						1//	10	
			THIS BOX IS FOR	CDPH	E USE ONLY:)//		
Destmark	or Hand Delivery Date:	120/18	THIS BOX IS FOR		A. /	de: 🔀 initial-310	transfer-380	
Form of F	or Hand Delivery Date: /o	5890/55	Approved E	зу: 2 Я	A. /	de: 🏹 initial-310		

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

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

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

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

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

This demolition approval notice is valid beginning 12/26/2018. The actual scheduled work dates are from 12/26/2018 through 1/31/2019.

Approval issued on: 12/27/2018 Record number: 144523 Notice Number: 18DE8620D

For the location specified below:

AP-74 Garage

4610 Clayton St. Denver Denver County Fee Paid: \$55.00 Check number: 5890

Asbestos Building Inspector: Logan Greenfield Cerification No.: 20715

Inspection Date:

12/19/2018

This notice has been issued to:

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

Issued by:



of Public Health

and Environment

DEMOLITION NOTIFICATION APPLICATION FORM

APPLICATION FEE MUST ACCOMPANY THIS FORM INCOMPLETE APPLICATIONS WILL BE RETURNED

(Notice will be mailed to the demolition contractor unless specified otherwise)

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

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

				_				
	Company Name: JKS Industries				Building Name: AP-74 Garage Square footage of footprint of facility or portion of facility to be demolished 356 Street:			
ontractor	Street:							
	747 Sheridan Blvd. #9A City: State: Zip Code:							
	Lakewood CO 80214		80214	Site	City: County: Zip Code:		Zin Code:	
	Telephone # (303) 238-0207	Fax # (303) 238-04	52	Demolition S	City: Co Denver	Denver	80216	
Ŭ	Project Manager:	Cell Phone #			Proposed Start Date 12/26/2018	Proposed Comple		
Demolition Contractor	Jeffrey Knight (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: Print Name: Jeffrey Knight			Demo	12/26/2018 1/31/2019 Method/Means of Demolition: Implosion Implosion Implosion			
	Landfill Receiving Building Debris: Denver Arapa	hoe Disposal Sit	te		[†] Burning requires additional authoriz to speak to the Open Burning Permi	zation – Please call (30 t Coordinator	3) 692-3100 and ask	
	General Abatement Contractor (GAC) N/A			ner	Owner's Name: CDOT			
stos oval actor	CDPHE Asbestos Permit # Total Quantity of Asbestos Removed		J Owner	Street: 2000	S Holly St.			
Asbestos Removal Contractor	Date Removal Completed	Telephone #		Building	City: Denver	State: CO	Zip Code: 80222	
4-0	Type(s) of Asbestos-Containing Material Removed: With my signature below, I certify that I possess curre				Contact's Name: Anthony DaVito	Telephone (303) 5	12-5900	
Certified Asbestos Inspector Certification	of ACM remaining, below Vinyl asbestos floor Spray-applied tar co Signature: (In Blue Ink) Date of Final Inspection (12, -19-18) 20	w: (check application of the check applicatio	ropriate box(e AT mastic \Box king \Box Glazin D m Date 18, 2019	rar/as g () Printe	Logan Gi hone # (949)545-0375	Cell Phone #	e coatings] 250 -0034	
or tor	I verify that all refrigerants from 15 (for information on CFC re	m air conditioning/ quirements call 69 th 6 CCR 1007-1 s	refrigeration applia	IOTITY ID	ave been properly recovered in ac at all luminous exit signs (containi ation on luminous exit sign require	ing radioactive mate	rial) have been	
Building Owner or Contractor	CHECK THE APPROPRIATE BO					17/14	1,0	
Bu Ow	Building Owner	Contractor		Other	Name:	Date: 12/19/	17	
	Signature:				VEFFNEN KINK	sht		
		, <u>T</u>	HIS BOX IS FOR	CDPH				
Postmark	or Hand Delivery Date:	120/18	Approved B	y: (M Code	e: 🕅 initial-310	transfer-380	
	ayment & #: Uheck #	5890 /55,00	O Permit#	UB	6201 Record # 445	Pate Issued:		
Categ probal demol	ulated asbestos-containing mate ory <u>1</u> nonfriable ACM that will be bility of becoming or has become <u>ition</u> or <u>renovation</u> operations re d/removed prior to demolition.	rials means (a) <u>fria</u> or has been subje e crumbled, pulveri	ble asbestos-cont cted to sanding, g ized, or reduced to	nowde	naterial, (b) <u>Category I nonfriable</u> <u>cutting</u> , or abrading or (d) <u>Catego</u> r by the forces expected to act or s-containing sheet vinyl and linole	the material in the source must be properly	course of 1018	
			. /	1'	/			



4. JKS Asbestos Certifications

Asbestos Abatement • Lead Abatement • Mold Remediation • Soil Remediation • Select Interior/Structural Demolition jksindustries.net • 0:303.238.0207 • F: 303.238.0452 • 747 Sheridan Blvd. #9A, Lakewood, CO 80214 Veteran Owned • Certified: MBE, DBE, SBE



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

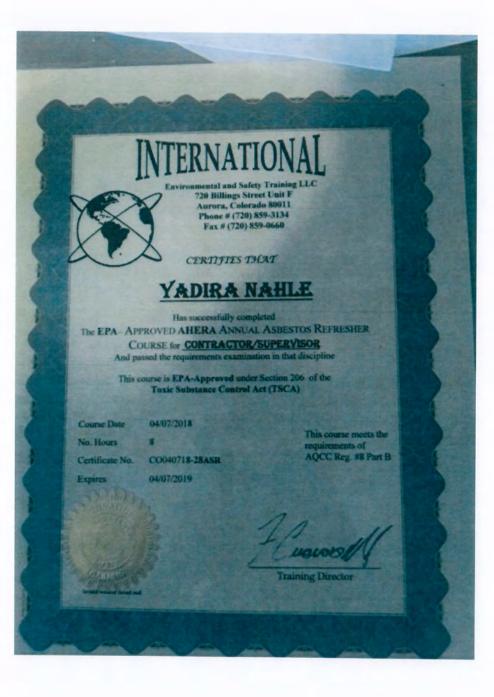


5. JKS Workers Asbestos Certifications

Asbestos Abatement • Lead Abatement • Mold Remediation • Soil Remediation • Select Interior/Structural Demolition jksindustries.net • 0:303.238.0207 • F: 303.238.0452 • 747 Sheridan Blvd. #9A, Lakewood, CO 80214 Veteran Owned • Certified: MBE, DBE, SBE



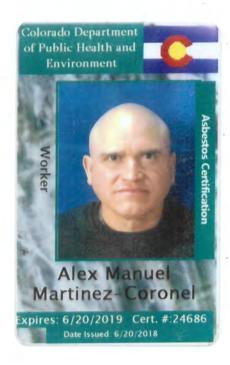
entra Medical Centers er Biva COLORADO SPRINOS, CO BORG 19/ 340 1727 Fer (719) 340 9690



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DOMESTICS CORNER	
ADAVA	2
States and a second second second second	
performant and and	
EMPLOYER AUTHORIZATION AND INFORMAT	TION FOR RESPIRATORY EVALUATION
OVER TO COMPLETE THE FOLLOWING	Adites
And Mar May May U	
	Employae SSN
Check Type of Respirator(s) To Be Used [Check - ALL that apply]	Estent of Desage (Check ALL that apply)
Tax working (non-powerad) LJ Air-portying (powerad)	Occasionally - but not more than twice a week Total Hours
Atmosphere supplying Respirator	Cocasamatity - but not made there are young
Continuus Flow Respirator	adjuster alle
Circuit SCBA LICiosed Circuit SCBA	Exposure to Hazardous Materiale [Chack - ALL that apphy]
Duel Mesk 11/2 Face with Canisten Full Face with Canisten Male Model Caristige:	Colum Overn Column Sered / Dual
Special Work Conditions (Check " ALL That Apply When Wearing Respirator)	Cadmean Chioride Chad
Tution Places Enclosed Places L Protective Cocking	Testilien Chestraum
Temperature Extremes LI Monthy Cold LI woody min	EVALUATION AUTHORIZATION BY
Questionare wil be: HAND CARRIED AMALED OTHER	THE REAL PROPERTY AND A RE
	TE BELOW THIS LINE DO NOT WRITE BELOW THIS CHA
PLHCP ¹ WRITTEN STATEMENT for RE	SPIRATORS (EMPLOTER)
PHYSICIAN WILL COMPLETE THE FOLLOWING This report may sortise contracted indicat internation and is interded for the temptated and This report may sortise contracted indicated internation obtained during physical scarp	nakover contact one The Americans with Dealersee. All information
(ADA) supposed very solar and used as baserate harms, in separate have, and much be inserted as	a start of an antidates and recessary accommodations.
· Feet an and samp post of the determined that this between it ALL that a	appletprovido responses approval and usage.
Cases 2 - Some Specific Use Restrictors	porte o Escale Univ
Case II - Respirator Use in MOC PErson Tech	
If a Taxe Performent (Instantion of a substantial inspectator)	ectal prescription eveness' needed to accornectable respirator
I would have restrict to be sharved to second with the	
Investment of other Licensed Neptiticare Professional Projection of other Licensed Republicare Professional Torpooper must seek forther metalical eventuation by a private program who must submit	
of higher findings to	A REAL PROPERTY AND A REAL PROPERTY.
ICheck ALL that apply) The some ndwikis IM2 from manneed for mapratic filmes in accordance were 20 The some ndwikis IM2 from manneed for mapratic filmes in accordance were 20	CFR 1010 134. This limited evenues in terms accervates or physician.
The second se	
The second s	this lended evaluation in specific to respirator use only Employees when or President
In TAXABLE AND CONTRACTOR OF COMPANY AND ADDRESS AND	And the second
In TAXABLE AND CONTRACTOR OF COMPANY AND ADDRESS AND	And the second
Control of the second s	spectrum of the results of this evaluation and of any tradical conditions resulting teen boxe samed individual has been informed of the increased risk of lung transer
Durassonal and discussion in using respirators or change of any pressual status to their or outlings in 20 CFR 1910-134. The documents with specific OSP4X regularizations, I have seturmed the above named in repossions that may require faither repleciation or treatment. When applicatios, the an application to the restituened status of smooting applications, have public other there and status to the restituened status of smooting applications.	spectrum of the results of this evaluation and of any tradical conditions resulting free boxe samed individual has been informed of the increased risk of lung transar
Control of the second s	sciences in the results of this evaluation and of any medical conditions resulting teen done named instructual has base informed of the increased res of sung canater and exposure(s).
Disreport any dissibilities in 1946 outleget in 29 GFR 1910-134 are Sources with seatche 09346 reparameters, I have enterned by showe named in reparameters and seatche of seatcher expension or insummert. When applicables, the are antibulated to the software gives of smooting 300 stitutes, and pulses after them Physicilith's Signature	devices of the results of the evaluation and of any method conducts resulting teen bove transet indextual two teen reformed of the recreased rate of surg context and excount(s). Physician's Name (Ponted) 03/16/19 Explices On
to report any discussion in the outraged in 29 CFR 1910.134. In discussion with specific OSHA reparameters, I have estament the above named reporting and require hatter reparation to treatment. When applicates, the all instructions to the estimated discs of smooting applications, have believe oner there	Advector of the results of the eventuation and of any method conductors resulting teen bove transed indictual two taxes beformed of the increased res of surg canase and excounted. Physician's Name (Ponted) 03/16/10 Explores On Print Date: 03/16/2018

JI	KSINDUSTRIES.NET JKS INDUSTRIES
	Respirator Fit Test
	I. Martha Nahle, acknowledge that I have been fit tested and trained for the proper use and
	I, <u>MAITNA</u> INANC, 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: to 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:
	IN Breathe normally through the respirator
	MN Breathe Hormany through the respirator
	$\mathcal{M}\mathcal{N}$ Breathe deeply through the respirator. Be certain that your breaths are deep and regular
	$\mathcal{M}^{\mathcal{N}}$ 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.
	$\mathcal{M}^{\mathcal{N}}$ 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.
	M^{1} Do several jumping jacks to ensure that the respirator does not come loose from your face.
	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.
	NN 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: $Malla Nalla$ Date: $10 - 8 - 18$ Eit Test Conductor Signature: $Date: 10 - 8 - 18$ Date: $10 - 8 - 18$
	Fit Test Conductor Signature:

.



INTERNATIONAL



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

CERTIFIES THAT

ALEX MANUEL MARTINEZ CORONEL

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

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

 Course Date
 06/11/2018 - 06/14/2018

 Exam Date
 06/14/2018

 No. Hours
 32

 Certificate No
 CO061418-02AWI

 Expires
 06/14/2019

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

Expires 06/14/2019 Invalid without raised seal

Training Director

8:

9.

(FAX)303 531 5637

P.001/003

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

111

The above individual was seen by me on 6-18 78 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).
- 6. Reviewed @SHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2 infaccordance with 29CFR 1910.134 and have determined that this individual may may not in use a respiratory device while performing his/her required duties.
- 7. <u>L</u>The employee has been instructed to report any difficulties in using the respirators or any change of physical status to their supervisor or physician.
 - the medical examination and laboratory tests to the above named patient.
 - 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

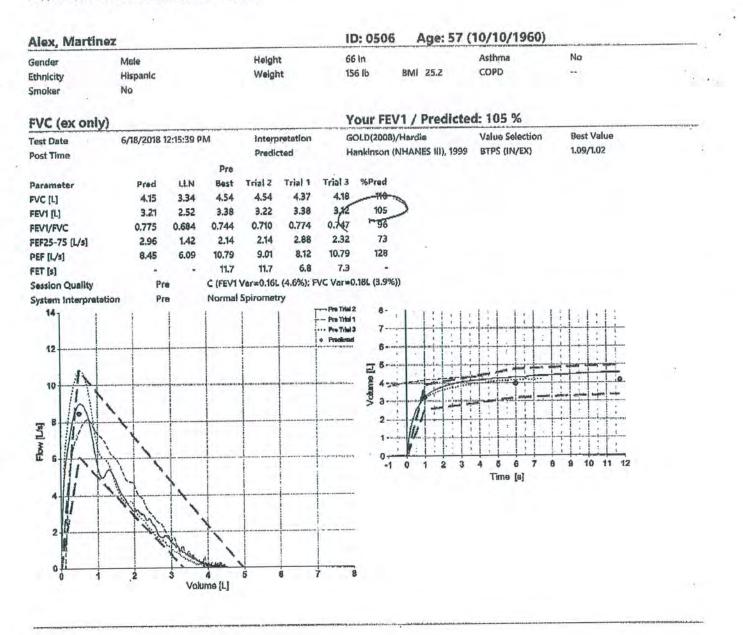
There is no detected medical condition which would place this employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended, limitations on the employee concerning the use of personal protective equipment or respirator.

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

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

Midtown Occupational Health Services

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



JKSINDUSTRIES.NET

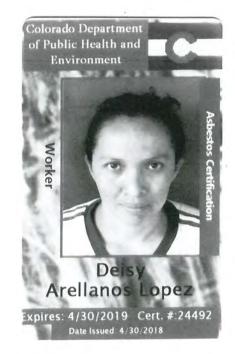
JKS INDUSTRIES

Respirator Fit Test

I, <u>Alex Marhnez Coronell</u>, 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: 0 21 2019	Fit Te	st 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 Breathe normally through the respira			
Breathe deeply through the respirate	or. Be certain that	your breaths are de	eep and regular
Turn your head from one side to the your shoulders. Ensure that your mo			ry second without bumping the respirator on ide.
Nod your head up and down to the f Ensure that your movement is comp			nout bumping the respirator on your chest. hale when you are facing up.
Do several jumping jacks to ensure t	hat the respirator o	does not come loos	se from your face.
Move your mouth to its fullest exten mouth as necessary without compro			around, etc. Ensure that you can move your
Read the Rainbow Passage			
light into many beautiful colors. The apparently beyond the horizon. The	se take the shape of the shape of the second s	of a long round arc legend, a boiling po his reach his frienc	The provided HTML Provided HT
Eit Test Conductor Signature	lin-	-	Date: $06/21/18$ Date: $0/21/2018$

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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 <u>WORKER</u> 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

Invalid without raised set

uai

Training Director

Colorado Occupational Medical Partners

OSHA ASBESTOS / HAZARDOUS MATERIALS / RESPIRATOR CERTIFICATION

In a	accordance with OSHA regulations: 29 CFR 1926 1101
	20 GTR 1920.1101 Asbestos
	29 CFR 1910.120(f) Hazardous Materials
m	29 CFK 1910.134(b) Respirator Certification
The	examining physician will provide the employer with a written and it
	$\frac{1}{100}$ is to certify that on this date: $\frac{3/3}{18}$, and in accordance with regulations as indicate
	above, I have performed a comprehensive examination on Deisy Arellano 3
	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.
б.	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.

Examining Physician / Provider

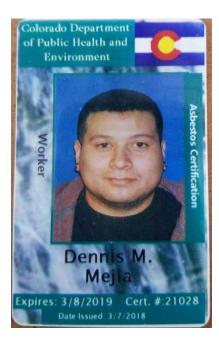
JKSINL	USTR	IES.N	ET
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Respirator Fit Test

JKS INDUSTRIES

I, Deisy Yane-Hh Arellanos Lópezacknowledge 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: 5/14/20	<u>16</u> Fit To	est Conductor:	hber Dogo
Respirator Information			
1. Manufacturer: North			
2. Model: 7700M)		
 Size (Circle one): SMALL Approval Number: TC-84A-05 		LARGE	
Irritant smoke used (Circle one)?	YES	NO	
Please initial the following as each t	est is completed:		
Breathe normally through the re	espirator		
Breathe deeply through the resp			
DY your shoulders. Ensure that you	ir movement is compl	ete. Inhale on each s	
Nod your head up and down to Ensure that your movement is o	the fullest extent abo complete and can be c	out every second with completed quickly. Ir	hout bumping the respirator on your chest. Thale when you are facing up.
Do several jumping jacks to ens	sure that the respirato	or does not come loo	se from your face.
Move your mouth to its fullest mouth as necessary without co	extent; for example, y ompromising the fit of	yawn, move your jaw the respirator.	v around, etc. Ensure that you can move your
Read the Rainbow Passage			
When the sunlight strikes raine light into many beautiful colors	s. These take the shap	to legend a boiling p	orm a rainbow. A rainbow is a division of white ch with its path high above and its two ends not of gold at one end. People look, but no one nds say he is looking for the pot of gold at the
Employee Signature:	Sue		Date: 5/14/2018
Fit Test Conductor Signature:	in and		Date: 5/14/2018



NTERNATIONAL

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

CERTIFIES THAT

DENNIS MICHAEL MEJIA

Has successfully completed The EPA- APPROVED AHERA ANNUAL ASBESTOS REFRESHER COURSE for WORKER

And passed the requirements examination in that discipline

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

Course Date 02/17/2018

No. Hours

Expires

8

Certificate No. CO021718-02AWR 02/17/2019

This course meets the requirements of AQCC Reg. #8

Training Director

Invalid without raised seal

8.

(FAX)303 531 5637

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

The above individual was seen by me on <u>2(1)12</u> 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 individual²⁵ 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. <u>No-</u> 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 nespirators or any change of physical status to their supervisor or physician.
 - 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 (x = 3 pand of his was nestrice heres he D **Examining** Provider Date Matthew Edwards, PA,-C Midtown Occupational Health Services, P.C. 2490 W. 26th Ave., Bldg. A, Suite 300 Denver, CO 80211 303-831-9393

JKSINDUSTRIES.NET



Respirator Fit Test

I, <u>Jenni 5 / lejros</u>, 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.

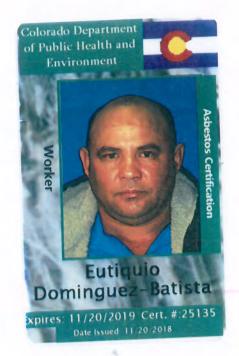
Date of Fit Test: 05-10 - 2018	Fit Te	est Conductor:_	Ruben
Respirator Information 1. Manufacturer: North			
 Model: 7700M Size (Circle one): SMALL Approval Number: TC-84A-0592 	MEDIUM	LARGE	
Irritant smoke used (Circle one)?	YES	NO	
Please initial the following as each test is Breathe normally through the respira			
Breathe deeply through the respirato	or. Be certain that	your breaths are	deep and regular
Turn your head from one side to the your shoulders. Ensure that your mo			very second without bumping the respirator on n side.
Nod your head up and down to the f Ensure that your movement is comp			ithout bumping the respirator on your chest. Inhale when you are facing up.
Do several jumping jacks to ensure t	hat the respirator	does not come lo	oose from your face.
Move your mouth to its fullest exten mouth as necessary without compro	t; for example, ya mising the fit of th	wn, move your ja ne respirator.	w around, etc. Ensure that you can move your
DM Read the Rainbow Passage			
light into many beautiful colors. The apparently beyond the horizon. The	se take the shape re is, according to	of a long round a legend, a boiling	form a rainbow. A rainbow is a division of white orch with its path high above and its two ends pot of gold at one end. People look, but no one ends say he is looking for the pot of gold at the
Employee Signature:	11 popr		Date: 05-10-2018

the los

N

Fit Test Conductor Signature:

Date: 5/10/2018



INTERNATIONAL



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

CERTIFIES THAT

EUTIQUIO DOMINGUEZ BATISTA

Has successfully completed

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

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

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

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



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

Cutiques Dominguez Applicants Name

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

- 1. Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101
- 2. Reviewed the employer's description of this individual's duties as they relate to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual.
- 3.

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

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

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:

1XR - B-Comments/ Limitations_

Examining Provider

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

Date

FAXED NOV 19 2018

Respirator Fit Test

I, Ecliquio Comingerer, 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.

24/2018 Date of Fit Test: Fit Test Conductor: **Respirator Information** 1. Manufacturer: North 2. Model: 7700M 3. Size (Circle one): SMALL ARGE Approval Number: TC-84A-0592 Irritant smoke used (Circle one)? NO Please initial the following as each test is completed: Breathe normally through the respirator Breathe deeply through the respirator. Be certain that your breaths are deep and regular 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. 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. Do several jumping jacks to ensure that the respirator does not come loose from your face. 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. 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: Comtag

Fit Test Conductor Signature:

Date: 11/26/2018 Date: 11/26/2018

JKS INDUSTRI



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VTERNATIONAL



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

CERTIFIES THAT

IRINA BLANCO BELLO

Has successfully completed

The EPA- APPROVED AHERA ASBESTOS COURSE for WORKER And passed the requirements examination in that discipline 20

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

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Course Date Exam Date No. Hours

Certificate No

CO111518-04AWI 11/15/2019

11/15/2018

32

11/12/2018 - 11/15/2018

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



Invalid without raised seal

Training Director

We b

Midtown Occupational Health Services 2420 W. 26th Ave. Ste. 200-D Denver, CO 80211 Fax: (303) 831-6335 Phone: (303) 831-9393 **OSHA** Asbestos Certification an Applicants Name The above individual was seen by me on 11-19/18 in accordance to 29 CFR 1926.1101(Asbestos Certification) and 29CFR1910.134 (Respirator Certification). The following was preformed: Completion and review of the standardized medical questionnaite and work 1. history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101 Reviewed the employer's description of this individual's duties as they relate 2. to asbestos exposure, the anticipated exposure level, and the personal protective and respiratory equipment to be utilized by this individual. Review of information from previous medical examinations, if available. 3. A physical examination with emphasis upon the pulmonary, cardiovascular, 4. and gastrointestinal systems, including a pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV-1). Determined that a chest-roentgenogram was was not required as part of 5. 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) Reviewed OSHA's Medical Evaluation Questionnaire in Appendix C Part A 6. Section 2 in accordance with 29CFR 1910.134 and have determined that this individual may i may not i use a respiratory device while performing his/her required duties. The employee has been instructed to report any difficulties in using the 7. respirators or any change of physical status to their supervisor or physician. In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient. In accordance with OSHA I have informed this individual of the health risks 9. 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_ Date Examining Provider Lawrence Cedillo D.O. Midtown Occupational Health Services, P.C. 2490 W. 26th Ave., Bldg. A, Suite 300 Denver, CO 80211 303-831-9393



Respirator Fit Test

I, <u>Jring Blanco</u>, 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 o	of Fit Test: 1/26/2013 Fit Test Conductor: Auben Doningo
Respir	rator Information
1.	Manufacturer: North
2.	Model: 7700M
3.	Size (Circle one): SMALL MEDIUM LARGE
4.	Approval Number: TC-84A-0592
Irritan	t smoke used (Circle one)? YES NO
Please	initial the following as each test is completed:
\bigvee	Breathe normally through the respirator
	Breathe deeply through the respirator. Be certain that your breaths are deep and regular
\square	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.
	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.
\square	Do several jumping jacks to ensure that the respirator does not come loose from your face.
\square	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.
	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.
Emplo	oyee Signature: 12/2010 Date: 11-26-2018
Fit Tes	by ee Signature: $DAUUUD$ Date: $U - 26 - 2018$ St Conductor Signature: $Date: U / 26 / WB$

Colorado Department of Public Health and Environment

Worker

Asbestos Certification

Ramira

Duran xpires: 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	This course meets the requirements of
No. Hours	32	AQCC Reg. #8 Part B
Certificate No	CO101818-07AWI	
Expires	10/18/2019	



Training Director

Invalid without raised seal

8.

9.

(FAX)303 531 5637

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 $10 \cdot 19 \cdot 19$ 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. <u>Reviewed the employer's description of this individual's duties as they relate</u> 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).
- 6. _____Reviewed.@SHA'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 tespirators or any change of physical status to their supervisor or physician.

- $\frac{1}{2}$ In accordance with OSHA requirements, I have fully explained the results of the medical examination and laboratory tests to the above named patient.
- 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.

2

(FAX)303 531 5637

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 Date Kirk Holmboe, D.O. Midtown Occupational Health Services, P.C. 2490 W. 26th Ave., Bldg. A, Suite 300 Denver, CO 80211 21 4. 303-831-9393 ŝ

JK	SI	ND	US1	RI	ES.	NET



Respirator Fit Test
Respirator Fit Test
I, Kaura Juran, 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: 444
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:
Breathe normally through the respirator
Breathe deeply through the respirator. Be certain that your breaths are deep and regular
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.
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.
Do several jumping jacks to ensure that the respirator does not come loose from your face.
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.
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 Signatures A Alera Duron Data: 10/24/18
Employee Signature: Date: 10/24/18
Fit Test Conductor Signature: And Date: 10/24/2018

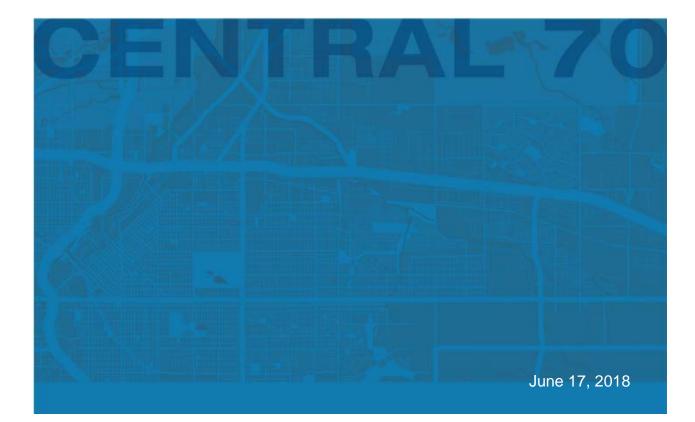


6. Project Design

JKSINDUSTRIES.NET



6a. SSAR





Structure Survey Assessment Report AP-74

4610 Clayton Street

Denver, CO 80216

TABLE OF CONTENTS

Contents

1	Intr	oduction	1
2	Site	Survey Methodology	2
	2.1	Asbestos Survey	2
	2.2	Lead-Based Paint Survey	2
	2.3	Regulated Building Materials Inventory Survey	3
3	Fine	dings	4
	3.1	Asbestos Survey	4
	3.2	Lead-Based Paint Survey	4
	3.2.	1 TCLP Lead Analytical Results	5
	3.3	Regulated Building Materials Inventory Survey	5
4	Cor	clusions and Recommendations	5
	4.1	Asbestos	3
	4.2	Lead-Based Paint	3
	4.3	Regulated Building Materials	7
5	Lim	itations	3
Та	bles .		9
Fi	gures		D

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 # 18-3066-013

Prepared for

Kiewit Meridiam Partners

Prepared by

Logan Greenfield Logan Greenfield, CABI & AMS #20715 VP of Field Services

Reviewed by

Brandice Elinger

Brandice Eslinger, EP, CABI & PD # 5494 President

1 Introduction

All-Phase Environmental Consultants, Inc. (APEC) was contracted to complete an environmental building survey for suspect asbestos-containing materials (ACMs), lead-based paint (LBP), and regulated building materials (RBM) at 4610 Clayton Street, Denver, CO. This survey will identify what materials will need to be abated or removed prior to the future demolition activities.

Client Name:	Kiewit Meridiam Partners
Site Location:	4610 Clayton Street, Denver, CO 80216
Building Type	Single Family Residence with Detached Garage
Building Size	Building is approximately 977 square feet.
Construction Date:	1941 – Based on City and County of Denver Assessor's Records.
Building Uses:	Residential – 977 Square Feet
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 Structure Survey Assessment Plan (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 Colorado Department of Transportation (CDOT) and Kiewit Meridiam Partners, identifies the procedures for completing building and structure surveys for ACMs, LBP and universal wastes or other Recognized Hazardous Materials (RHMs), as defined by the Resource Conservation and Recovery Act (RCRA); universal waste, as defined by the U.S. Environmental Protection Agency (EPA) and 6 CCR Part 273 of the Colorado Hazardous Waste Regulations; chlorofluorocarbons (CFCs), as defined by the Clean Air Act; and polychlorinated biphenyls (PCBs), as defined by the Toxic Substances Control Act.

2 Site Survey Methodology

2.1 ASBESTOS SURVEY

On May 10, 2018, APEC certified personnel Logan Greenfield conducted an asbestos survey for demolition at the aforementioned address. The asbestos survey (inspection/sampling) was completed in accordance with the SSAP and follows guidelines established under the USEPA Asbestos Hazard and Response Act (AHERA) program and as required by USEPA regulation 40 Code of Federal Regulations (CFR) Part 61, National Emissions Standards for Hazardous Air Pollutants (NESHAP). Bulk sampling of suspected ACMs were conducted 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 Occupational Safety and Health Administration (OSHA), the EPA, the Colorado Department of Public Health and Environment (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 the National Voluntary Laboratory Accreditation Program (NVLAP) and is gualified 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 Polarized Light Microscopy (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 10, 2018, APEC certified personnel Rick Ralston conducted the lead based paint (LBP) survey. The LBP survey was conducted to evaluate the absence and/or presence of LBP or lead-containing paint (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 Flame Atomic Absorption (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/cm²) as measured with an XRF or 5000 parts per million (ppm) when measured by weight, or 0.5 percent (%) by weight.

A total of 14 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 each known LBP were taken; however they are not included as there are no positive LBP or LCP samples. 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 14 samples, a Toxicity Characteristic Leachate Procedure (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 REGULATED BUILDING MATERIALS INVENTORY SURVEY

On May 10, 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 Universal Waste Rule (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 polychlorinated biphenyls (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 is 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.

3 Findings

3.1 ASBESTOS SURVEY

A total of 46 bulk samples, including 2 duplicate samples, were collected from 18 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)

4610CL-R7-12A & 4610CL-R4-12B – Duct Wrap located on furnace supply duct registers

Non-regulated Asbestos Containing Materials

• 4610CL-EX-17A & 4610CL-EX-17B - Roofing Mastic (Tar) on the House

Point Counts

Point count analysis occurred for samples with <1% of asbestos. Point count analysis was not performed because the initial PLM analysis content did not exceed 1%. The laboratory analytical report is included as Appendix C.

Duplicate Samples

For quality assurance purposes, duplicate samples are taken approximately every 20th sample. Duplicate samples are listed as a duplicate (Q) in the sample location column of Table 3-1A or Table 3-1B. Two samples, 4610CL-R1-7Q and 4610CL-B-16Q, were collected because a total of 44 samples were obtained, requiring two duplicates.

3.2 LEAD-BASED PAINT SURVEY

A total of 14 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).

One lead samples (4610CL-11L) was found to be greater than 0.06% by weight and less than 0.5% by weight and is considered LCP. Three samples (4610CL-12L, 4610CL-13L & 4610CL-14L) had lead concentrations greater than 0.5% by weight and is considered LBP (Table 3-2). The remaining 10 samples were less than the LCP and LBP thresholds, and are considered non-lead containing paint (NLC). The laboratory analytical report is included in Appendix D.

3.2.1 TCLP LEAD ANALYTICAL RESULTS

Since multiple samples analyzed as a LCP and LBP, 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. The Toxicity Characteristic (TC) maximum concentration is 5 milligrams per liter (mg/L). The results of the TCLP analysis is <0.40 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. The following non-regulated hazardous building materials were identified at the property: water heater, refrigerator, gas main, electric breaker box, furnace and electric meter. Although these items are not regulated, they will need to be removed prior to demolition. 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 25 square feet of RACM was identified as vent wrap located on the supply registers for the heating/air conditioning system. These materials will require abatement due to being rendered friable easily prior to demolition of the structures.

Approximately 625 square feet of roofing mastic/tar material was confirmed to be an ACM. This material is a Category II Non-friable ACM, is exempt and not regulated, and generally structures can be demolished without abatement of this ACM.

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 personal protective equipment (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 1 of the 14 samples and above the LBP threshold in 3 of the 14 samples. The remaining 10 samples are considered NLC. Although LCP/LBP 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", <u>http://www.osha.gov/Publications/osha3142.pdf</u>). 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 manufacture's 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; this 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	Lab Results/	Detection	Condition	Material	Material Location	NESHAP	Estimated
	Location	Asbestos Type	Method(s)		Description		Classification	Quantity
								(Sq. ft.)
4610CL-R7-12A	ROOM 7	DUCT WRAP 70% CHRYSOTILE	PLM	Good		REGISTERS IN ROOMS 7&4	RACM	-25
4610CL-R4-12B	ROOM 4	DUCT WRAP 65% CHRYSOTILE	PLM	Good			RACM	
4610CL-EX-17A	ROOF OF HOUSE	MASTIC 6% CHRYSOTILE	PLM	Good	ROOFING MASTIC	HOUSE ROOF	Cat II	540
4610CL-EX-17B		MASTIC 6% CHRYSOTILE	PLM	Good				
ND=Non-Detect PLM=Polarized Light Microscopy NA=Not Applicable RACM=Regulated Asbestos Containing Materials								

 Table 3-1B
 Non-Asbestos Containing Samples

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification
4610CL-R7-1A		ND	PLM	Good			NA
4610CL-R7-1B	ROOM 7	ND	PLM	Good	ROUGH TEXTURED PLASTER	WALLS OF ROOM 7	NA
4610CL-R7-1C		ND	PLM	Good	-		NA
4610CL-R7-2A		ND	PLM	Good			NA
4610CL-R7-2B	ROOM 7	ND	PLM	Good	KNOCKDOWN TEXTURED PLASTER	CEILING OF ROOM 7	NA
4610CL-R7-2C		ND	PLM	Good			NA
4610CL-R6-3A		ND	PLM	Good			NA
4610CL-R6-3B	ROOM 6	ND	PLM	Good	SPRAY TEXTURED PLASTER	WALLS AND CEILING OF	NA
4610CL-R6-3C		ND	PLM	Good		ROOM 6	NA
4610CL-SW-4A		ND	PLM	Good		WALLS AND CEILING OF	NA
4610CL-SW-4B	STAIRWELL	ND	PLM	Good	SMOOTH TEXTURED PLASTER		NA
4610CL-SW-4C		ND	PLM	Good		STAIRWELL	NA
4610CL-R4-5A	DOONLA	ND	PLM	Good		WALLS AND	NA
4610CL-R4-5B	ROOM 4	ND	PLM	Good	TEXTURED PLASTER	CEILINGS ORF ROOM 4 AND	NA
4610CL-H-5C	HALLWAY	ND	PLM	Good	-	HALLWAY	NA
4610CL-R4-6A	DOOM 4	ND	PLM	Good		FLOOR OF ROOM	NA
4610CL-R4-6B	ROOM 4	ND	PLM	Good	FLOOR TILE	4	NA
4610CL-R3-7A	ROOM 3	ND	PLM	Good			NA
4610CL-R1-7B	DOONA	ND	PLM	Good	TEXTURED PLASTER	ROOMS 1&3	NA
4610CL-R1-7C	ROOM 1	ND	PLM	Good	1		NA

Sample Name	Sample Location	Lab Results/ Asbestos Type	Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification
4610CL-R1-7Q	ROOM 1	ND	PLM	Good	TEXTURED PLASTER	WALLS AND CEILINGS ROOM 1&3	NA
4610CL-R5-8A	ROOM 5	ND	PLM	Good	HAND TEXTURED PLASTER	WALLS AND	NA
4610CL-R5-8B		ND	PLM	Good			NA
4610CL-R5-8C		ND	PLM	Good			NA
4610CL-H-9A	HALLWAY	ND	PLM	Good	FLOORING	FLOOR OF HALL	NA
4610CL-R5-9B	ROOM 5	ND	PLM	Good	FLOOKING	WAY & ROOM 5	NA
4610CL-R1-10A		ND	PLM	Good		FLOOR OF ROOM	NA
4610CL-R1-10B	ROOM 1	ND	PLM	Good	FLOORING		NA
4610CL-R6-11A	DOOMA	ND	PLM	Good		FLOOR OF ROOM 6	NA
4610CL-R6-11B	ROOM 6	ND	PLM	Good	FLOORING		NA
4610CL-B-13A	BASEMENT	ND	PLM	Good	TEXTURED DRYWALL	CEILINGS OF THE BASEMENT	NA
4610CL-B-13B		ND	PLM	Good			NA
4610CL-B-13C		ND	PLM	Good	-		NA
4610CL-B-14A	DAOFMENIT	ND	PLM	Good		WALLS OF BASEMENT	NA
4610CL-B-14B	BASEMENT	ND	PLM	Good	PANELING/MASTIC		NA
4610CL-SW-15A	STAIRWELL	ND	PLM	Good	LINOLEUM	FLOOR OF STAIRWELL	NA
4610CL-SW-15B		ND	PLM	Good			NA
4610CL-B-16A		ND	PLM	Good	PEEL AND STICK TILE	FLOOR OF BASEMENT	NA
4610CL-B-16Q	BASEMENT	ND	PLM	Good			NA
4610CL-B-16B		ND	PLM	Good]		NA

•	-		Detection Method(s)	Condition	Material Description	Material Location	NESHAP Classification
4610CL-EXG-18A	GARAGE ROOF	ND	PLM	Good	ROOFING	GARAGE ROOF	NA
4610CL-EXG-18B		ND	PLM	Good			NA

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

Sample Number	Sample Location	Lead Concentration (% wt.)	Component	Paint Description	Classification
4610CL-1L	Room 7	<0.0080	Plaster	Dark Blue	NLC
4610CL-2L	Room 7	<0.0080	Plaster	White	NLC
4610CL-3L	Room 7	0.041	Wood	Brown	NLC
4610CL-4L	Room 7	<0.0080	Plaster	Pink/Gold	NLC
4610CL-5L	Room 4	<0.0080	Plaster	Mint Green	NLC
4610CL-6L	Room I	<0.0080	Plaster	Lime Green	NLC
4610CL-7L	Room 7	<0.0080	Plaster	Salmon	NLC
4610CL-8L	Rooml	<0.0080	Plaster	Green/Brown	NLC
4610CL-9L	Room I-Hallway Door	0.024	Wood	White	NLC
4610CL-10L	Stairwell	<0.0080	Plaster	Brown	NLC
4610CL-11L	Basement	0.21	Plaster	Blk/Red/White	LCP
4610CL-12L	Exterior	1.8	Wood	Gray	LBP
4610CL-13L	Exterior	2.9	Wood	Tan	LBP
4610CL-14L	Garage	2.4	Wood	Tan	LBP

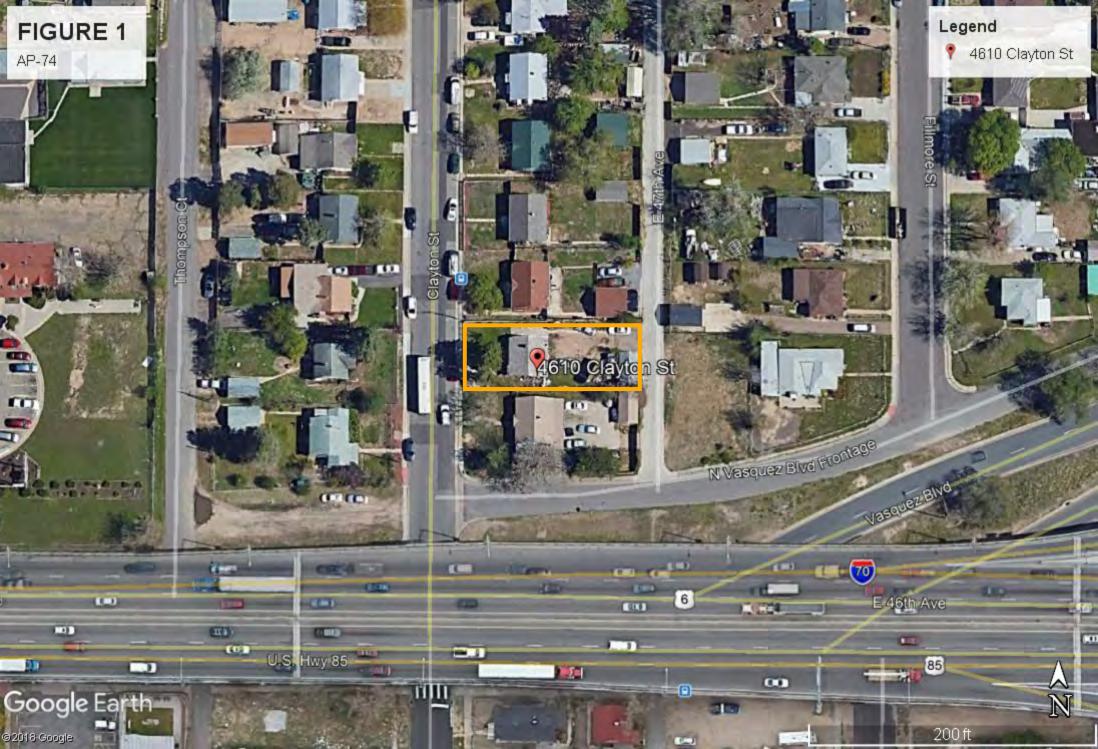
Table 3-2 Summary of Paint Chip Analysis for Lead

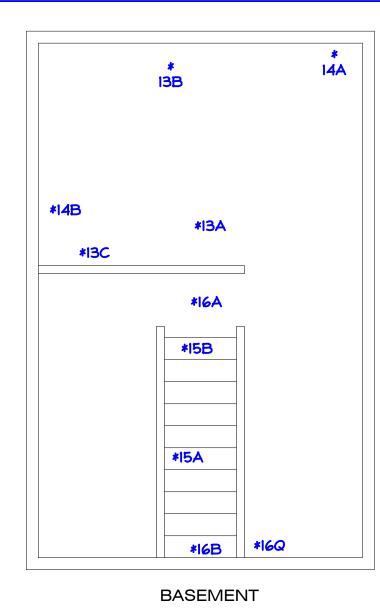
Table 3-3 Summary of Regulated Building Materials

Room	Material	Location	Quantity Fixture/Bulbs each
Basement	Water Heater	Base of stairs	I
Room 6	Refrigerator	North West Corner	I
Exterior	Gas Main	NW corner of house Outside	I
Exterior	Electrial Breaker Box	NW corner of house Outside	I
Crawlway	Furance	South Side of the house	I
Exterior	Electrial Meter	NE corner of house Outside	I

Figures

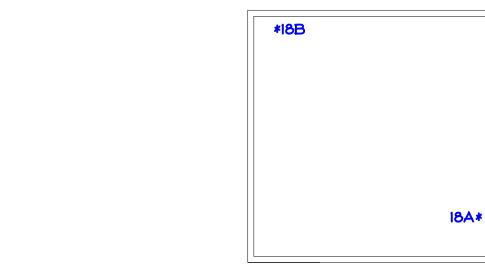
Figure 1	Site Location
Figure 2	Asbestos Bulk Sample Locations
Figure 3	Lead-Based Paint Sample Locations
Figure 4	Regulated Building Materials





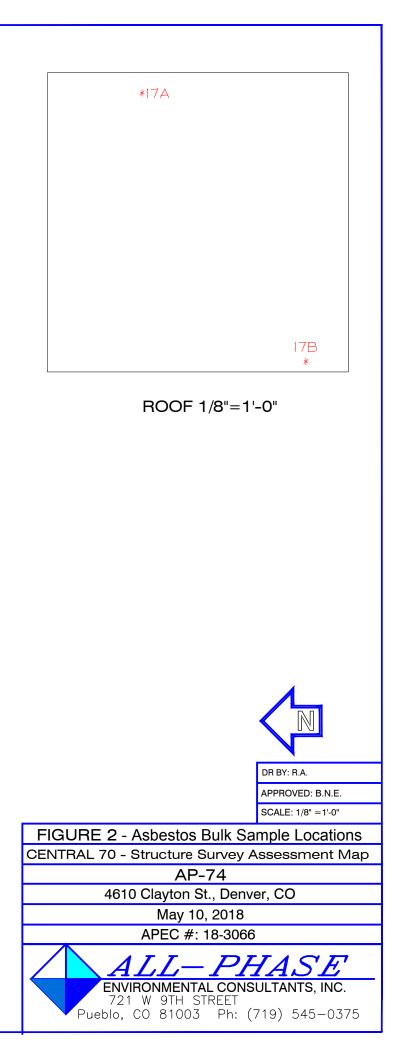
<u>R2</u> * **5**A * **7B** *6A *7C *7Q <u>R4</u> <u>R1</u> 10A* <u>R3</u> *10B 7A* *I2B ***5**₿ * **9A*** ***8**A 8B *6B <u>R5</u> ***9**B *IC *12A **5C*** ***8C** * * **2B 4B** * **2**A 3C * <u>R7</u> <u>R6</u> *3B * 4C* IIB * *4A **2C** IB * * **IIA *3**A ***IA**

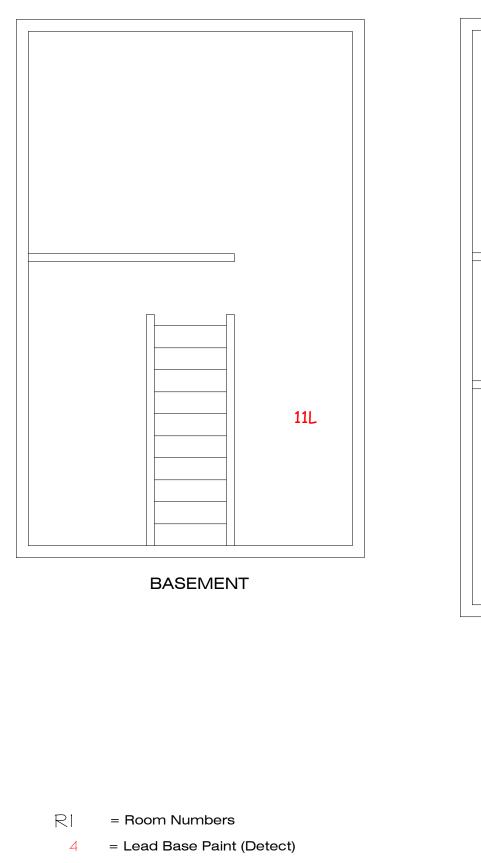
MAIN FLOOR



- \mathbb{R} = Room Numbers
- 4B = Asbestos Samples (Detect)
- **4B** = Asbestos Samples (Non-Detect)
 - = Vent Boot Wrap Positive for Asbestos

GARAGE 1/8"=1'-0"



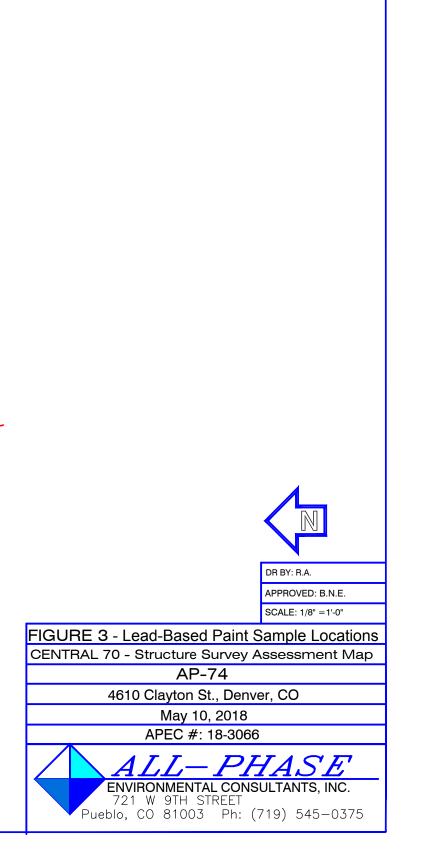


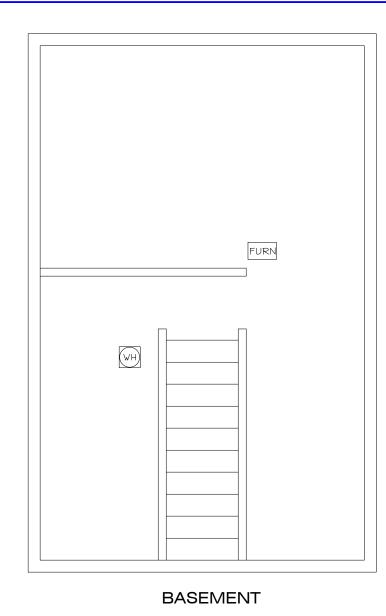


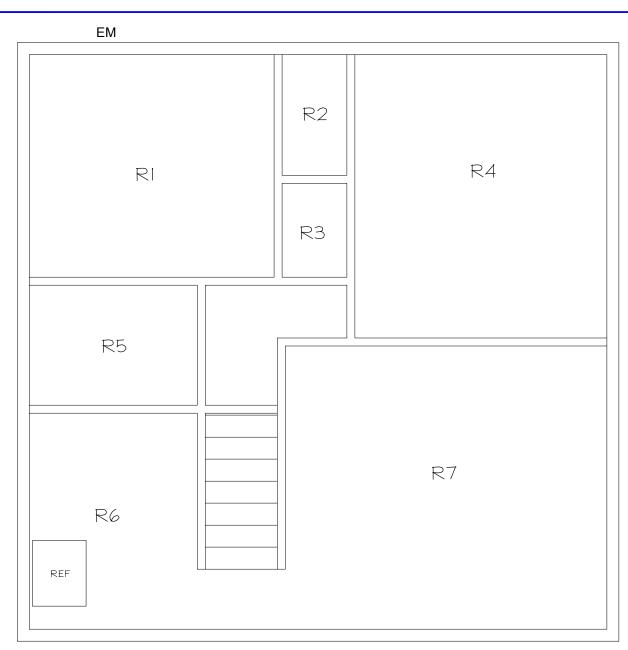


- 4 = Lead Containing Paint (Detect)
- 4 = Lead Base Paint (Non-Detect)

GARAGE 1/8"=1'-0"

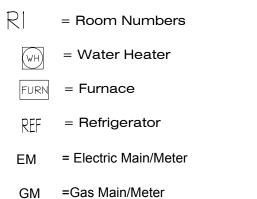


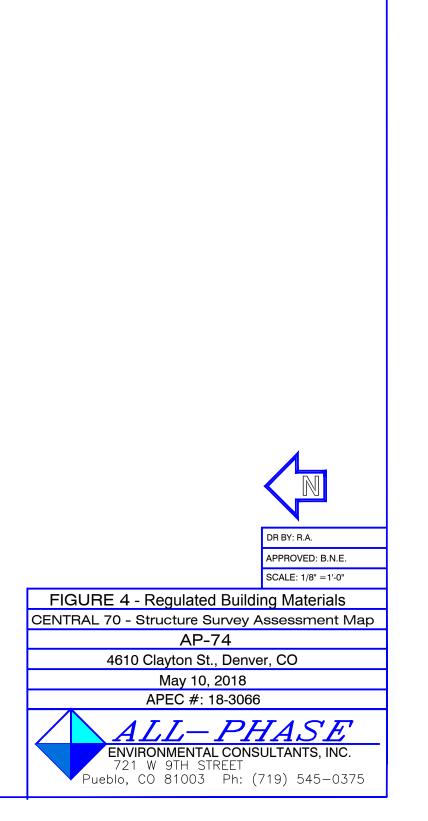


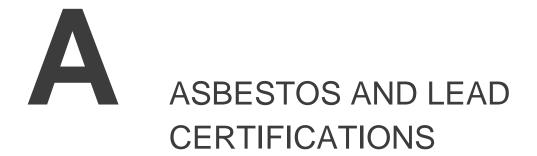


GM

MAIN FLOOR









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.

uthorized APCD Representative

SEAL



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

Certifies that

Logan Greenfield

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, 2017Certificate No.:R17-1661-AI-CONo. of Hours:4Expiration Date:September 20, 2018Certification not valid without watermark

Frenk Hales

Frank Hulce - Instructor

- Annaya Boneditts

Danaya Benedetto- Training Program Manager



CHC Training Nationwide Training & Certification Experts

www.chctraining.com 303.412.6360 855.60.CERTIFY 1775 West 55th Avenue Denver, CO 80221, United States of America

CERTIFICATE OF ACHIEVEMENT

This certificate is awarded to:

LOGAN GREENFIELD

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

> Course Date: Expiration Date Course Hours:

Danaya N. Benedello

CEO & Training Program Manager

Credential License ID:

11943552

CHC TRAINING TRAINING EST. 2007 ACCREDITED ALUMNI JUN September 12, 2018 September 12, 2019 4.0

Daniel R. Beaver

Instructor

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





Verify this Credential



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



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

Certifies that

SAM

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, 2016Certificate No.:R16-031-LRA-CONo. of Hours:8Expiration Date:April 6, 2019Certification not valid without watermark

uis E. Leon

Luis Peon - Instructor

Annaya Boneditts

Danaya Benedetto - Training Program Manager





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

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

18/A02

Description

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
- **ENVIRONMENTAL LEAD**
- ✓ ENVIRONMENTAL MICROBIOLOGY
- **FOOD**
- **UNIQUE SCOPES**

Accreditation Expires: September 01, 2018 Accreditation Expires: September 01, 2018 Accreditation Expires: September 01, 2018 Accreditation Expires: 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.

Um male

William Walsh, CIH Chairperson, Analytical Accreditation Board

Revision 15: 03/30/2016

Cheryl J, Martan Cheryl O. Morton

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

Date Issued: 08/31/2016



AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

EMSL Analytical, Inc.

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

200 Route 130 North, Cinnaminson, NJ 08077

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.

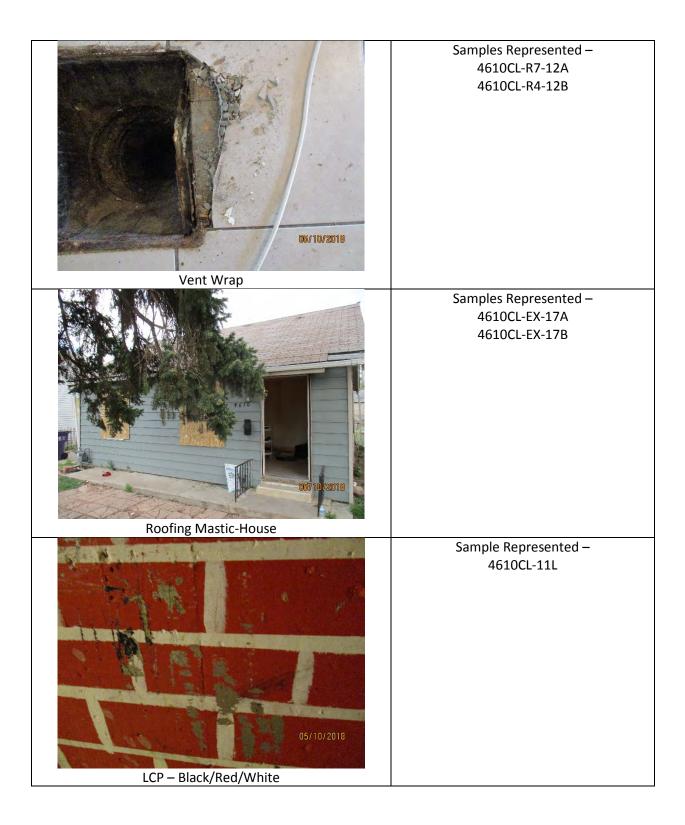
Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 01/18/1995

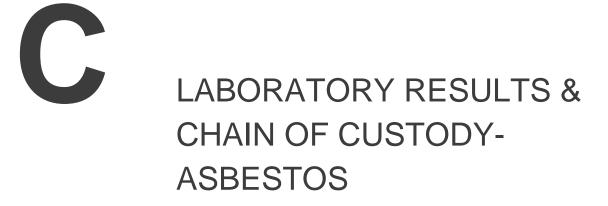
Field of Testing (FoT)	Technology sub-type/ Detector	Method	Method Description (for internal methods only)
Paint		EPA SW-846 3050B	
Faint		EPA SW-846 7000B	
Soil		EPA SW-846 3050B	
5011		EPA SW-846 7000B	
Sottlad Dust by Wine		EPA SW-846 3050B	
Settled Dust by Wipe		EPA SW-846 7000B	
Airborne Dust		NIOSH 7082	
Composited Wipes		EPA SW-846 3050B	
Composited wipes		EPA SW-846 7000B	

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

B POSITIVE ASBESTOS & LEAD SAMPLE MATERIAL PHOTOGRAPHS









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

All-Phase Environmental Consultants, Inc

 EMSL Order:
 221803358

 Customer ID:
 ALLP62

 Customer PO:
 Project ID:

 CDOT
 CDOT

 Phone:
 (719) 250-0036

 Fax:
 (719) 542-2807

 Received Date:
 05/14/2018 9:40 AM

 Analysis Date:
 05/17/2018 - 05/19/2018

 Collected Date:
 05/10/2018

Project: 18-3066-C70-AP-74 (CDOT)

721 West 9th Street

Pueblo, CO 81003

Attention: Logan Greenfield

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

			Non-As	<u>Asbestos</u>	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
4610CL-R7-1A-Text	Rough Textured Plaster	Red/Beige		15% Ca Carbonate	None Detected
ure		Non-Fibrous		85% Non-fibrous (Other)	
221803358-0001		Heterogeneous			
			Inseparable paint / coating layer include	ed in analysis	
4610CL-R7-1A-Skim	Rough Textured Plaster	White		10% Ca Carbonate	None Detected
Coat		Non-Fibrous		90% Non-fibrous (Other)	
221803358-0001A		Homogeneous			
4610CL-R7-1A-Plas	Rough Textured Plaster	Tan/Beige		5% Ca Carbonate	None Detected
ter		Non-Fibrous		95% Non-fibrous (Other)	
221803358-0001B		Homogeneous			
4610CL-R7-1B-Text	Rough Textured Plaster	White/Red		20% Ca Carbonate	None Detected
ure		Non-Fibrous		80% Non-fibrous (Other)	
221803358-0002		Heterogeneous			
			Inseparable paint / coating layer include	ed in analysis	
4610CL-R7-1B-Skim	Rough Textured Plaster	White		10% Ca Carbonate	None Detected
Coat		Non-Fibrous		90% Non-fibrous (Other)	
221803358-0002A		Homogeneous			
4610CL-R7-1B-Plast	Rough Textured Plaster	Tan		5% Ca Carbonate	None Detected
er		Non-Fibrous		95% Non-fibrous (Other)	
221803358-0002B		Homogeneous			
4610CL-R7-1C-Text	Rough Textured Plaster	White		20% Ca Carbonate	None Detected
ure		Non-Fibrous		80% Non-fibrous (Other)	
221803358-0003		Heterogeneous			
			Inseparable paint / coating layer include	ed in analysis	
4610CL-R7-1C-Skim	Rough Textured Plaster	White		5% Ca Carbonate	None Detected
Coat		Non-Fibrous		15% Gypsum	
221803358-0003A		Homogeneous		80% Non-fibrous (Other)	
4610CL-R7-1C-Plast	Rough Textured Plaster	Gray	<1% Cellulose	5% Ca Carbonate	None Detected
er		Fibrous		10% Gypsum	
221803358-0003B		Homogeneous		85% Non-fibrous (Other)	

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



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Project: 18-3066-C70-AP-74 (CDOT)

721 West 9th Street

Pueblo, CO 81003

Attention: Logan Greenfield

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

			Non-Asbestos		<u>Asbestos</u>	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре	
4610CL-R7-2A-Text	Knockdown Textured	White/Beige		20% Ca Carbonate	None Detected	
ure	Plaster	Non-Fibrous		80% Non-fibrous (Other)		
221803358-0004		Heterogeneous				
			Inseparable paint / coating layer include	ed in analysis		
4610CL-R7-2A-Skim	Knockdown Textured	White		10% Ca Carbonate	None Detected	
Coat	Plaster	Non-Fibrous		90% Non-fibrous (Other)		
221803358-0004A		Homogeneous				
4610CL-R7-2A-Plas	Knockdown Textured	Beige		5% Ca Carbonate	None Detected	
ter	Plaster	Non-Fibrous		95% Non-fibrous (Other)		
221803358-0004B		Homogeneous				
4610CL-R7-2B-Text	Knockdown Textured	White/Beige		20% Ca Carbonate	None Detected	
ure	Plaster	Non-Fibrous		80% Non-fibrous (Other)		
221803358-0005		Heterogeneous				
			Inseparable paint / coating layer include	ed in analysis		
4610CL-R7-2B-Skim	Knockdown Textured	White		10% Ca Carbonate	None Detected	
Coat	Plaster	Non-Fibrous		90% Non-fibrous (Other)		
221803358-0005A		Homogeneous				
4610CL-R7-2B-Plast	Knockdown Textured	Beige		5% Ca Carbonate	None Detected	
er	Plaster	Non-Fibrous		95% Non-fibrous (Other)		
221803358-0005B		Homogeneous				
4610CL-R7-2C-Text	Knockdown Textured	White		20% Ca Carbonate	None Detected	
ure	Plaster	Non-Fibrous		80% Non-fibrous (Other)		
221803358-0006		Heterogeneous				
			Inseparable paint / coating layer include	ed in analysis		
4610CL-R7-2C-Skim	Knockdown Textured	White		5% Ca Carbonate	None Detected	
Coat	Plaster	Non-Fibrous		15% Gypsum		
221803358-0006A		Homogeneous		80% Non-fibrous (Other)		
4610CL-R7-2C-Plast	Knockdown Textured	Gray	<1% Cellulose	5% Ca Carbonate	None Detected	
er	Plaster	Fibrous		10% Gypsum		
221803358-0006B		Homogeneous		85% Non-fibrous (Other)		

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



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All-Phase Environmental Consultants, Inc

EMSL Order: 221803358 Customer ID: ALLP62 Customer PO: Project ID: CDOT

 Phone:
 (719) 250-0036

 Fax:
 (719) 542-2807

 Received Date:
 05/14/2018 9:40 AM

 Analysis Date:
 05/17/2018 - 05/19/2018

 Collected Date:
 05/10/2018

Project: 18-3066-C70-AP-74 (CDOT)

721 West 9th Street

Pueblo, CO 81003

Attention: Logan Greenfield

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

			Non-Asbestos		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
610CL-R6-3A-Text	Spray Textured Plaster	Tan/Beige		20% Ca Carbonate	None Detected
ıre 1		Non-Fibrous		80% Non-fibrous (Other)	
221803358-0007		Homogeneous			
			Inseparable paint / coating layer includ	ed in analysis	
4610CL-R6-3A-Text	Spray Textured Plaster	White/Beige		15% Ca Carbonate	None Detected
ure 2		Non-Fibrous		85% Non-fibrous (Other)	
221803358-0007A		Heterogeneous			
			Inseparable paint / coating layer includ	ed in analysis	
1610CL-R6-3A-Skim	Spray Textured Plaster	White		10% Ca Carbonate	None Detected
Coat		Non-Fibrous		90% Non-fibrous (Other)	
221803358-0007B		Homogeneous			
4610CL-R6-3A-Plas	Spray Textured Plaster	Tan/Beige		5% Ca Carbonate	None Detected
er		Non-Fibrous		95% Non-fibrous (Other)	
221803358-0007C		Homogeneous			
4610CL-R6-3B-Text	Spray Textured Plaster	White/Beige		15% Ca Carbonate	None Detected
ure		Non-Fibrous		85% Non-fibrous (Other)	
221803358-0008		Heterogeneous			
			Inseparable paint / coating layer includ	ed in analysis	
4610CL-R6-3B-Skim	Spray Textured Plaster	White		10% Ca Carbonate	None Detected
Coat		Non-Fibrous		90% Non-fibrous (Other)	
221803358-0008A		Homogeneous			
4610CL-R6-3B-Plast	Spray Textured Plaster	Beige		5% Ca Carbonate	None Detected
er		Non-Fibrous		95% Non-fibrous (Other)	
221803358-0008B		Homogeneous			
4610CL-R6-3C-Text	Spray Textured Plaster	Tan/White		30% Ca Carbonate	None Detected
ure		Non-Fibrous		70% Non-fibrous (Other)	
221803358-0009		Heterogeneous			
			Inseparable paint / coating layer includ	ed in analysis	
4610CL-R6-3C-Skim	Spray Textured Plaster	White		10% Ca Carbonate	None Detected
Coat		Non-Fibrous		15% Gypsum	
221803358-0009A		Homogeneous		75% Non-fibrous (Other)	

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 05/10/2018

Project: 18-3066-C70-AP-74 (CDOT)

721 West 9th Street

Pueblo, CO 81003

Attention: Logan Greenfield

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

			<u>Non-As</u>	bestos	<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
4610CL-R6-3C-Plast	Spray Textured Plaster	Gray	<1% Cellulose	5% Ca Carbonate	None Detected
er		Fibrous		10% Gypsum	
221803358-0009B		Homogeneous		85% Non-fibrous (Other)	
4610CL-SW-4A-Ski	Smooth Textured	Tan/White		10% Ca Carbonate	None Detected
m Coat	Plaster	Non-Fibrous		90% Non-fibrous (Other)	
221803358-0010		Heterogeneous			
			Inseparable paint / coating layer include	ed in analysis	
4610CL-SW-4A-Pla	Smooth Textured	Tan		5% Ca Carbonate	None Detected
ster	Plaster	Non-Fibrous		95% Non-fibrous (Other)	
221803358-0010A		Homogeneous			
4610CL-SW-4B-Ski	Smooth Textured	White/Various		10% Ca Carbonate	None Detected
m Coat	Plaster	Non-Fibrous		15% Gypsum	
221803358-0011		Heterogeneous		75% Non-fibrous (Other)	
			Inseparable paint / coating layer include	ed in analysis	
4610CL-SW-4B-Pla	Smooth Textured	Gray	<1% Cellulose	5% Ca Carbonate	None Detected
ster	Plaster	Fibrous		10% Gypsum	
221803358-0011A		Homogeneous		85% Non-fibrous (Other)	
4610CL-SW-4C-Ski	Smooth Textured	White/Various		10% Ca Carbonate	None Detected
m Coat	Plaster	Non-Fibrous		15% Gypsum	
221803358-0012		Heterogeneous		75% Non-fibrous (Other)	
			Inseparable paint / coating layer include	ed in analysis	
4610CL-SW-4C-Pla	Smooth Textured	Gray	<1% Cellulose	5% Ca Carbonate	None Detected
ster	Plaster	Fibrous		10% Gypsum	
221803358-0012A		Homogeneous		85% Non-fibrous (Other)	
4610CL-R4-5A-Skim	Textured Plaster	White/Green		10% Ca Carbonate	None Detected
Coat		Non-Fibrous		15% Gypsum	
221803358-0013		Heterogeneous		75% Non-fibrous (Other)	
			Inseparable paint / coating layer include	ed in analysis	
4610CL-R4-5A-Plas	Textured Plaster	Gray	<1% Cellulose	5% Ca Carbonate	None Detected
ter		Fibrous		10% Gypsum	
221803358-0013A		Homogeneous		85% Non-fibrous (Other)	

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



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All-Phase Environmental Consultants, Inc

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 Analysis Date:
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 Collected Date:
 05/10/2018

Project: 18-3066-C70-AP-74 (CDOT)

721 West 9th Street

Pueblo, CO 81003

Attention: Logan Greenfield

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

			<u>Non-Asbestos</u>		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
4610CL-R4-5B-Skim	Textured Plaster	White/Green		10% Ca Carbonate	None Detected
Coat		Non-Fibrous		15% Gypsum	
221803358-0014		Heterogeneous		75% Non-fibrous (Other)	
			Inseparable paint / coating layer includ	ed in analysis	
4610CL-R4-5B-Plast	Textured Plaster	Gray	<1% Cellulose	5% Ca Carbonate	None Detected
er		Fibrous		10% Gypsum	
221803358-0014A		Homogeneous		85% Non-fibrous (Other)	
4610CL-H-5C-Skim	Textured Plaster	White		10% Ca Carbonate	None Detected
Coat		Non-Fibrous		90% Non-fibrous (Other)	
221803358-0015		Heterogeneous			
			Inseparable paint / coating layer includ	ed in analysis	
4610CL-H-5C-Plaste	Textured Plaster	Tan		5% Ca Carbonate	None Detected
r		Non-Fibrous		95% Non-fibrous (Other)	
221803358-0015A		Homogeneous			
4610CL-R4-6A-Floo	Floor Tile	Tan/White		30% Ca Carbonate	None Detected
ring		Non-Fibrous		70% Non-fibrous (Other)	
221803358-0016		Homogeneous			
4610CL-R4-6A-Mas	Floor Tile	Brown		100% Non-fibrous (Other)	None Detected
tic		Non-Fibrous			
221803358-0016A		Homogeneous			
4610CL-R4-6B-Floo	Floor Tile	Beige		100% Non-fibrous (Other)	None Detected
ring		Non-Fibrous			
221803358-0017		Homogeneous			
4610CL-R4-6B-Mast	Floor Tile	Clear		100% Non-fibrous (Other)	None Detected
ic		Non-Fibrous			
221803358-0017A		Homogeneous			
4610CL-R3-7A-Skim	Textured Plaster	White/Various		10% Ca Carbonate	None Detected
Coat		Non-Fibrous		15% Gypsum	
221803358-0018		Heterogeneous		75% Non-fibrous (Other)	
			Inseparable paint / coating layer includ	ed in analysis	

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



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

All-Phase Environmental Consultants, Inc

EMSL Order: 221803358 Customer ID: ALLP62 Customer PO: Project ID: CDOT

 Phone:
 (719) 250-0036

 Fax:
 (719) 542-2807

 Received Date:
 05/14/2018 9:40 AM

 Analysis Date:
 05/17/2018 - 05/19/2018

 Collected Date:
 05/10/2018

Project: 18-3066-C70-AP-74 (CDOT)

721 West 9th Street

Pueblo, CO 81003

Attention: Logan Greenfield

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

			Non-Asbestos		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
4610CL-R3-7A-Plas	Textured Plaster	Gray	<1% Cellulose	5% Ca Carbonate	None Detected
er		Fibrous		10% Gypsum	
221803358-0018A		Homogeneous		85% Non-fibrous (Other)	
1610CL-R1-7B-Skim	Textured Plaster	White/Beige		5% Ca Carbonate	None Detected
Coat		Non-Fibrous		10% Gypsum	
221803358-0019		Heterogeneous		85% Non-fibrous (Other)	
			Inseparable paint / coating layer include	ed in analysis	
1610CL-R1-7B-Plast	Textured Plaster	Gray	<1% Cellulose	5% Ca Carbonate	None Detected
er		Fibrous		10% Gypsum	
221803358-0019A		Homogeneous		85% Non-fibrous (Other)	
4610CL-R1-7C-Skim	Textured Plaster	White		10% Ca Carbonate	None Detected
Coat		Non-Fibrous		90% Non-fibrous (Other)	
221803358-0020		Heterogeneous			
4610CL-R1-7C-Plast	Textured Plaster	Tan/Beige		5% Ca Carbonate	None Detected
er		Non-Fibrous		95% Non-fibrous (Other)	
221803358-0020A		Homogeneous			
4610CL-R1-7Q-Skim	Textured Plaster	White		10% Ca Carbonate	None Detected
Coat		Non-Fibrous		90% Non-fibrous (Other)	
221803358-0021		Heterogeneous			
4610CL-R1-7Q-Plas	Textured Plaster	Tan		5% Ca Carbonate	None Detected
ter		Non-Fibrous		95% Non-fibrous (Other)	
221803358-0021A		Homogeneous			
4610CL-R5-8A-Skim	Hand Textured Plaster	White		5% Ca Carbonate	None Detected
Coat		Non-Fibrous		10% Gypsum	
221803358-0022		Heterogeneous		85% Non-fibrous (Other)	
			Inseparable paint / coating layer include	ed in analysis	
4610CL-R5-8A-Plas	Hand Textured Plaster	Gray	<1% Cellulose	5% Ca Carbonate	None Detected
ter		Fibrous		10% Gypsum	
221803358-0022A		Homogeneous		85% Non-fibrous (Other)	

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721 West 9th Street

Pueblo, CO 81003

Attention: Logan Greenfield

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

			Non-Asbestos		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
4610CL-R5-8B-Skim	Hand Textured Plaster	White		10% Ca Carbonate	None Detected
Coat		Non-Fibrous		15% Gypsum	
221803358-0023		Heterogeneous		75% Non-fibrous (Other)	
			Inseparable paint / coating layer include	ed in analysis	
4610CL-R5-8B-Plast	Hand Textured Plaster	Gray	<1% Cellulose	5% Ca Carbonate	None Detected
er		Fibrous		10% Gypsum	
221803358-0023A		Homogeneous		85% Non-fibrous (Other)	
4610CL-R5-8C-Skim	Hand Textured Plaster	White		10% Ca Carbonate	None Detected
Coat		Non-Fibrous		90% Non-fibrous (Other)	
221803358-0024		Heterogeneous			
			Inseparable paint / coating layer include	ed in analysis	
4610CL-R5-8C-Plast	Hand Textured Plaster	Tan		5% Ca Carbonate	None Detected
er		Non-Fibrous		95% Non-fibrous (Other)	
221803358-0024A		Homogeneous			
4610CL-H-9A-Coati	Flooring - 5, H	Gray		15% Ca Carbonate	None Detected
ng		Non-Fibrous		85% Non-fibrous (Other)	
221803358-0025		Homogeneous			
			Gray, cementitious coating on top of vir	nyl flooring	
4610CL-H-9A-Floori	Flooring - 5, H	Tan/White		30% Ca Carbonate	None Detected
ng		Non-Fibrous		70% Non-fibrous (Other)	
221803358-0025A		Homogeneous			
4610CL-H-9A-Masti	Flooring - 5, H	Brown		100% Non-fibrous (Other)	None Detected
с		Non-Fibrous			
221803358-0025B		Homogeneous			
4610CL-R5-9B-Coat	Flooring - 5, H	Gray		5% Ca Carbonate	None Detected
ing		Non-Fibrous		95% Non-fibrous (Other)	
221803358-0026		Homogeneous			
4610CL-R5-9B-Floo	Flooring - 5, H	Tan/Beige		100% Non-fibrous (Other)	None Detected
ring		Non-Fibrous			
221803358-0026A		Homogeneous			

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 EMSL Order:
 221803358

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 ALLP62

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 Project ID:

 CDOT
 CDOT

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

 Phone:
 (719) 250-0036

 Fax:
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Project: 18-3066-C70-AP-74 (CDOT)

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

			<u>Non-Asbestos</u>		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
4610CL-R5-9B-Mast	Flooring - 5, H	Clear		100% Non-fibrous (Other)	None Detected
ic		Non-Fibrous			
221803358-0026B		Homogeneous			
4610CL-R1-10A-Ma	Flooring - 1	Yellow		25% Ca Carbonate	None Detected
stic		Non-Fibrous		75% Non-fibrous (Other)	
221803358-0027		Homogeneous			
4610CL-R1-10A-Ba	Flooring - 1	Gray/White	60% Cellulose	15% Ca Carbonate	None Detected
cking		Fibrous	10% Glass	15% Non-fibrous (Other)	
221803358-0027A		Homogeneous			
4610CL-R1-10A-Le	Flooring - 1	Gray		10% Ca Carbonate	None Detected
veler		Non-Fibrous		90% Non-fibrous (Other)	
221803358-0027B		Homogeneous			
4610CL-R1-10B-Ma	Flooring - 1	Yellow/Beige		100% Non-fibrous (Other)	None Detected
stic		Non-Fibrous			
221803358-0028		Homogeneous			
4610CL-R1-10B-Ba	Flooring - 1	Beige	55% Cellulose	35% Non-fibrous (Other)	None Detected
cking		Fibrous	10% Glass		
221803358-0028A		Homogeneous			
4610CL-R1-10B-Le	Flooring - 1	Gray		10% Ca Carbonate	None Detected
veler		Non-Fibrous		90% Non-fibrous (Other)	
221803358-0028B		Homogeneous			
4610CL-R6-11A-Flo	Flooring - 6	Brown/Beige	20% Cellulose	10% Ca Carbonate	None Detected
oring		Fibrous	5% Glass	65% Non-fibrous (Other)	
221803358-0029		Homogeneous			
4610CL-R6-11A-Ma	Flooring - 6	White		100% Non-fibrous (Other)	None Detected
stic	-	Non-Fibrous		. ,	
221803358-0029A		Homogeneous			
4610CL-R6-11B-Flo	Flooring - 6	Tan	25% Cellulose	70% Non-fibrous (Other)	None Detected
oring	-	Non-Fibrous	5% Glass		
221803358-0030		Homogeneous			

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 221803358

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 CDOT

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

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

			<u>Asbestos</u>		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
4610CL-R6-11B-Ma	Flooring - 6	Beige		100% Non-fibrous (Other)	None Detected
stic		Non-Fibrous			
221803358-0030A		Homogeneous			
4610CL-R7-12A	Duct Wrap	Brown		30% Non-fibrous (Other)	70% Chrysotile
221803358-0031		Fibrous			
		Homogeneous			
4610CL-R4-12B	Duct Wrap	Tan	25% Cellulose	10% Non-fibrous (Other)	65% Chrysotile
221803358-0032		Fibrous			
		Homogeneous			
4610CL-B-13A-Mud	Textured Drywall	White		20% Ca Carbonate	None Detected
221803358-0033		Non-Fibrous		80% Non-fibrous (Other)	
		Homogeneous			
			Mud on top of paint		
4610CL-B-13A-Text	Textured Drywall	Tan/White		40% Ca Carbonate	None Detected
ure		Non-Fibrous		60% Non-fibrous (Other)	
221803358-0033A		Heterogeneous			
			Inseparable paint / coating layer includ	ed in analysis	
4610CL-B-13A-Dry	Textured Drywall	Brown/White	15% Cellulose	70% Gypsum	None Detected
wall		Fibrous		15% Non-fibrous (Other)	
221803358-0033B		Homogeneous			
4610CL-B-13B-Text	Textured Drywall	Tan/White		40% Ca Carbonate	None Detected
ure		Non-Fibrous		60% Non-fibrous (Other)	
221803358-0034		Heterogeneous			
			Inseparable paint / coating layer includ	ed in analysis	
4610CL-B-13B-Tape	Textured Drywall	Beige	95% Cellulose	5% Non-fibrous (Other)	None Detected
221803358-0034A		Fibrous			
		Homogeneous			
4610CL-B-13B-Joint	Textured Drywall	White		20% Ca Carbonate	None Detected
Compound		Non-Fibrous		80% Non-fibrous (Other)	
221803358-0034B		Homogeneous			

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721 West 9th Street

Pueblo, CO 81003

Attention: Logan Greenfield

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

			Asbestos		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
4610CL-B-13B-Dry	Textured Drywall	Brown/White	15% Cellulose	70% Gypsum	None Detected
wall		Fibrous		15% Non-fibrous (Other)	
221803358-0034C		Homogeneous			
4610CL-B-13C-Text	Textured Drywall	White		20% Ca Carbonate	None Detected
ure		Non-Fibrous		80% Non-fibrous (Other)	
221803358-0035		Homogeneous			
4610CL-B-13C-Tape	Textured Drywall	Yellow	98% Cellulose	2% Non-fibrous (Other)	None Detected
221803358-0035A		Fibrous			
		Homogeneous			
4610CL-B-13C-Joint	Textured Drywall	White		20% Ca Carbonate	None Detected
Compound		Non-Fibrous		80% Non-fibrous (Other)	
221803358-0035B		Homogeneous			
4610CL-B-13C-Dry	Textured Drywall	Beige	15% Cellulose	65% Gypsum	None Detected
wall		Fibrous		20% Non-fibrous (Other)	
221803358-0035C		Homogeneous			
4610CL-B-14A-Pan	Panel/Mastic	Brown	95% Cellulose	5% Non-fibrous (Other)	None Detected
eling		Fibrous			
221803358-0036		Homogeneous			
4610CL-B-14A-Mas	Panel/Mastic	Beige		100% Non-fibrous (Other)	None Detected
tic		Non-Fibrous			
221803358-0036A		Homogeneous			
4610CL-B-14B-Pan	Panel/Mastic	Brown	98% Cellulose	2% Non-fibrous (Other)	None Detected
eling		Fibrous			
221803358-0037		Homogeneous			
4610CL-B-14B-Mast	Panel/Mastic	Tan		100% Non-fibrous (Other)	None Detected
ic		Non-Fibrous			
221803358-0037A		Homogeneous			
4610CL-SW-15A-FI	Linoleum	Beige	25% Cellulose	65% Non-fibrous (Other)	None Detected
ooring		Fibrous	10% Glass		
221803358-0038		Homogeneous			

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Attention: Logan Greenfield All-Phase Environmental Consultants, Inc 721 West 9th Street Pueblo, CO 81003
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Project: 18-3066-C70-AP-74 (CDOT)

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	% Туре
4610CL-SW-15A-M	Linoleum	Tan		100% Non-fibrous (Other)	None Detected
astic		Non-Fibrous			
221803358-0038A		Homogeneous			
4610CL-SW-15B-FI	Linoleum	Beige	45% Cellulose	50% Non-fibrous (Other)	None Detected
ooring		Fibrous	5% Glass		
221803358-0039		Homogeneous			
			Result includes a small amount of inse	parable attached mastic	
4610CL-B-16A-Floo	Peel & Stick Tile	Tan/Black		100% Non-fibrous (Other)	None Detected
r Tile		Non-Fibrous			
221803358-0040		Homogeneous			
4610CL-B-16A-Mas	Peel & Stick Tile	Clear		100% Non-fibrous (Other)	None Detected
tic		Non-Fibrous			
221803358-0040A		Homogeneous			
4610CL-B-16Q-Floo	Peel & Stick Tile	Tan/Black		100% Non-fibrous (Other)	None Detected
r Tile		Non-Fibrous			
221803358-0041		Homogeneous			
4610CL-B-16Q-Mas	Peel & Stick Tile	Clear		100% Non-fibrous (Other)	None Detected
tic		Non-Fibrous			
221803358-0041A		Homogeneous			
4610CL-B-16B-Floo	Peel & Stick Tile	Black/Clear		100% Non-fibrous (Other)	None Detected
r Tile		Non-Fibrous			
221803358-0042		Homogeneous			
			Result includes a small amount of inse	parable attached clear adhesive	
4610CL-EX-17A-Shi	Roofing - H	Brown/Black	15% Glass	20% Ca Carbonate	None Detected
ngle 1		Fibrous		65% Non-fibrous (Other)	
221803358-0043		Homogeneous			
4610CL-EX-17A-Ma	Roofing - H	Black		94% Non-fibrous (Other)	6% Chrysotile
stic		Non-Fibrous			
221803358-0043A		Homogeneous			

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

Project: 18-3066-C70-AP-74 (CDOT)

Phone: (719) 250-0036 Fax: (719) 542-2807 Received Date: 05/14/2018 9:40 AM Analysis Date: 05/17/2018 - 05/19/2018 Collected Date: 05/10/2018

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

			Non-Asbestos		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
4610CL-EX-17A-Shi	Roofing - H	Brown/Black	15% Glass	20% Ca Carbonate	None Detected
ngle 2		Fibrous		65% Non-fibrous (Other)	
221803358-0043B		Homogeneous			
4610CL-EX-17B-Shi	Roofing - H	White/Black	10% Glass	90% Non-fibrous (Other)	None Detected
ngle 1		Fibrous			
221803358-0044		Homogeneous			
4610CL-EX-17B-Ma	Roofing - H	Black		94% Non-fibrous (Other)	6% Chrysotile
stic		Non-Fibrous			
221803358-0044A		Homogeneous			
4610CL-EX-17B-Shi	Roofing - H	Brown/Black	10% Glass	90% Non-fibrous (Other)	None Detected
ngle 2		Fibrous			
221803358-0044B		Homogeneous			
4610CL-EX-18A-Shi	Roofing - G	White/Black		100% Non-fibrous (Other)	None Detected
ngle 1		Fibrous			
221803358-0045		Homogeneous			
4610CL-EX-18A-Shi	Roofing - G	Tan/Black	8% Glass	92% Non-fibrous (Other)	None Detected
ngle 2		Non-Fibrous			
221803358-0045A		Homogeneous			
4610CL-EX-18B-Shi	Roofing - G	Black	10% Glass	90% Non-fibrous (Other)	None Detected
ngle 1		Fibrous			
221803358-0046		Homogeneous			
4610CL-EX-18B-Shi	Roofing - G	Black	10% Glass	90% Non-fibrous (Other)	None Detected
ngle 2		Fibrous			
221803358-0046A		Homogeneous			

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 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 analysical 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



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

All-Phase Environmental Consultants, Inc

EMSL Order: 221803358 Customer ID: ALLP62 Customer PO: Project ID: CDOT

Fax:	(719) 250-0036 (719) 542-2807
	05/14/2018 9:40 AM 05/17/2018 - 05/19/2018 05/10/2018

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:

Attention: Logan Greenfield

721 West 9th Street Pueblo, CO 81003

Project: 18-3066-C70-AP-74 (CDOT)

Sample Receipt Date:	05/14/2018	Sample Receipt Time:	9:40 AM
Analysis Completed Date:	05/19/2018	Analysis Completed Time:	9:15 AM

Analyst(s):

Catce H

Henry Printy

Stuart Printz PLM (46)

Gentry Catlett PLM (9)

Timothy Kleehammer PLM (54)

Samples Reviewed and approved by:

mano

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

EMSL Analytical,	, Inc.
1010 Yuma Stree	et

Asbestos Chain of Custody
EMSL Order Number (Lab Use Only):
221803358

EMSL ANALYTICAL, INC.

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

					-	
Company : All-Phase	e Environmental Co	onsultants, Inc.	EMSL-Bill to: Different Same			
Street: 721 W. 9th Street			Third Party Billing red	quires written authorization	n from third party	
City: Pueblo	City: Pueblo State/Province: CO			Country: Ut	nited States	
Report To (Name): Lo	ogan Greenfield		Telephone #: 719-250-0	036		
Email Address: loga			Fax #:	Purchase C		
Project Name/Numbe		<u>- C 70 - AP-74</u>			mail Mail	
U.S. State Samples T			Connecticut Samples:		sidential	
			T) Options* - Please Che			
	Hour 24 H		nium charge for 3 Hour TEM AH	96 Hour 👔 🛄 1 Week IERA or EPA Level II TAT		
			nce with EMSL's Terms and Cor			
PCM - Air 🗌 Check if	f samples are from N	IY <u>TEM Air</u> 🗍 4-	-4.5hr TAT (AHERA only)	TEM- Dust		
NIOSH 7400		AHERA 40 C	FR, Part 763	Microvac - ASTM	D 5755	
w/ OSHA 8hr. TW/	۹	🗌 NIOSH 7402	Wipe - ASTM D6480		80	
PLM - Bulk (reporting		EPA Level 1		Carpet Sonication	(EPA 600/J-93/167)	
2 EPA 600/R-93	8/116 (<1%)	🔲 ISO 10312		Soil/Rock/Vermiculi	<u>te</u>	
🗌 PLM EPA NOB (<1	%)	TEM - Bulk		D PLM CARB 435 -	A (0.25% sensitivity)	
Point Count		🗌 TEM EPA NO	B	D PLM CARB 435 -	B (0 1% sensitivity)	
🔲 400 (<0.25%) 🔲 10	000 (<0.1%)	🗌 NYS NOB 19	8.4 (non-friable-NY)	TEM CARB 435 -	B (0.1% sensitivity)	
Point Count w/Gravime	etric	Chatfield SOF	5	TEM CARB 435 - C (0.01% sensitivity)		
🔲 400 (<0.25%) 🔲 10	000 (<0.1%)	🗌 TEM Mass Ar	TEM Mass Analysis-EPA 600 sec. 2.5		TEM Qual. via Filtration Technique	
NYS 198.1 (friable	in NY)	TEM - Water: El	TEM - Water: EPA 100.2		TEM Qual. via Drop-Mount Technique	
🗋 NYS 198.6 NOB (n	on-friable-NY)	Fibers >10µm	Waste Drinking	Other:		
			Waste Drinking		ļ	
	***		<u> </u>			
	Check For Positive Stop - Clearly Identify Homogenous Group Filter Pore Size (Air Samples): 0.8µm 0.45µm					
Samplers Name: 🗸	ogan Gr	reenfield	Samplers Signature:	Z_ A	M	
				Volume/Area (Air)	Date/Time	
Sample #		Sample Descripti	on	HA # (Bulk)	Sampled	
461001- R7- 1A	Row	the textured	Plaster		5-10-18	
4610CL-R7-18	•	1			1	
4610CL-R7-1C		V				
4610CL-RT-2A	Knockdou	in textured	Plaster	·		
4410CL-R7-28		1	-			
4610CL-R7-2C	\checkmark					
4610CL-R4-3A	Spray textured		Plaster			
4610CL-R6-3B		' V			\checkmark	
Client Sample # (s):				Total # of Samples:	410	
Relinguished (Client):		Date:	1	Time		
Received (Lab):	194	Date:	BUILD	Time	9'41	
Comments/Special Ins	structions:			FE 7954736	• • • • •	

Page 1 of <u>3</u> pages



Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

EMSL Analytical, Inc. 1010 Yuma Street

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

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

4410CL-SW-4A Smooth textured Plaster 4410CL-SW-4A Smooth textured Plaster 4410CL-SW-4C V 4410CL-SW-4C V 4410CL-SW-4C V 4410CL-SW-4C V 4410CL-SW-4C V 4410CL-SW-4C V 4410CL-R-SA Textured Plaster 4410CL-R4-5B V 4410CL-R4-6B V 4410CL-R4-6B V 4410CL-R4-6B V 44100CL-R4-7B V 44100CL-R4-7B V 44100CL-R1-7B V 44100CL-R1-7C V 44100CL-R1-7C V 44100CL-R1-7C V 44100CL-R1-7Q V 44100CL-R5-8A Hand textured Plaster 44100CL-R5-8B V 44100CL-R5-9B V 44100CL-R5-9B V	Sample #	Sample Description	Vołume/Area (Air) HA # (Bulk)	Date/Time Sampled
Huloch-SW-4B Huloch-SW-4C Huloch-RH-5A Textured Plaster Huloch-RH-5B Huloch-RH-6B Huloch-RH-6B Huloch-RH-6A Floor Tile Huloch-RH-6A Huloch-RH-7B Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R Huloch-RH-7R HULOCH-RH-7R HULOCH-RH-7R HULOCH-RH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HULOCH-7R HUL	4610CL-R6-3C	Spray textured Plaster		5-10-18
Heloch-SW-4B Heloch-SW-4C Heloch-RH-5A Textured Plaster Heloch-RH-5B Heloch-RH-6B Heloch-RH-6B Heloch-RH-6A Floor Tile Heloch-RH-6B Heloch-RH-7B Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-RH-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R Heloch-7R	4610CL-SW-4A	Smooth textured Plaster		
Hulocl-RH-5A Textured Plaster Hulocl-RH-5B	4610CL-SW-48	1		
4410021-R4-5B				
44100CL-R4-5B	4610CL-R4-5A	Textured Plaster		
Hullocl-R4-6A Floor Tile Hulocl-R4-6B V Hulocl-R3-7A Textured Plaster Hulocl-R1-7B Hulocl-R1-7C Hulocl-R1-7C V Hulocl-R5-8A Hand textured Plaster Hulocl-R5-8B Hulocl-R5-8C V Hulocl-R5-8C V Hulocl-R5-98 V Hulocl-R1-10A Flooring - 1 Hulocl-R1-10B V Hulocl-R1-10B V Hulocl-R6-11A Flooring - 6 Hulocl-R5-12A Duct Wrap	4610CL-R4-5B	1		
Huloch-R3-7A Textured Plaster Huloch-R1-7B Huloch-R1-7C Huloch-R1-7C Huloch-R5-8A Hand textured Plaster Huloch-R5-8B Huloch-R5-8B Huloch-R5-8C Huloch-R5-9B Huloch-R1-10A Flooring - 1 Huloch-R1-10B Huloch-R1-10B Huloch-R1-10B Huloch-R1-10B Huloch-R1-12A Duct Wrap	4610CL-H-5C	\checkmark		
Huloch-R3-7A Textured Plaster Huloch-R1-7B Huloch-R1-7C Huloch-R1-7C Huloch-R5-8A Hand textured Plaster Huloch-R5-8B Huloch-R5-8B Huloch-R5-8C Huloch-R5-9B Huloch-R1-10A Flooring - 1 Huloch-R1-10B Huloch-R1-10B Huloch-R1-10B Huloch-R1-10B Huloch-R1-12A Duct Wrap	4610CL-R4-6A	Floor Tile		
Huloch-R3-7A Textured Plaster Huloch-R1-7B Huloch-R1-7C Huloch-R1-7C Huloch-R5-8A Hand textured Plaster Huloch-R5-8B Huloch-R5-8B Huloch-R5-8C Huloch-R5-8B Huloch-R5-9B Huloch-R5-9B Huloch-R1-10A Flooring - 1 Huloch-R1-10B Huloch-R6-11A Flooring - 6 Huloch-R6-11B Huloch-R7-12A Duct Wrap	4610CL-R4-6B			
$\begin{array}{c c c c c c r} H & \hline \\ H &$	4610CL-R3-7A	Textured Plaster		
Hulocl-RI-7Q V — Hulocl-R5-8A Hand textured Plaster — Hulocl-R5-8B — — Hulocl-R5-8B — — Hulocl-R5-8C V — Hulocl-R5-8C V — Hulocl-R5-8C V — Hulocl-R5-8C V — Hulocl-R5-9B V — Hulocl-R1-10A Flooring - 1 — Hulocl-R1-10B V — Hulocl-R6-11A Flooring - 6 — Hulocl-R6-11B V — Hulocl-R7-12A Duct Wrap —	4610CL-R1-7B	1		
1610CL-R5-8A Hand textured Plaster	4610CL-RI-TC			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	HGIOCL-RI-TQ	\checkmark		
Holoch-R5-BC V Holoch-H-9A Flooring - 5, H Holoch-R5-9B V Holoch-R5-9B V Holoch-R5-9B V Holoch-R5-9B V Holoch-R5-9B V Holoch-R1-10A Flooring - 1 Holoch-R1-10B V Holoch-R6-11A Flooring - 6 Holoch-R6-11B V Holoch-R7-12A Duct Nrap	1610CL-R5-8A	Hand textured Plaster		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	4610CL-R5-8B	1		
Holoch-H-9A Flooring - 5, H Holoch-R5-9B V Holoch-R1-10A Flooring - 1 Holoch-R1-10B V Holoch-R1-10B V Holoch-R1-10B V Holoch-R1-10B V Holoch-R6-11A Flooring - 6 Holoch-R6-11B V Holoch-R7-12A Duct Wrap		\checkmark		
Ibiocl-RI-1DA Flooring - 1 Ibiocl-RI-10B V Ibiocl-Rb-11A Flooring - 6 Ibiocl-Rb-11B V Ibiocl-R7-12A Duct Wrap		Flooring - 5.H		
1610cl-RI-10A Flooring - 1 1610cl-RI-10B V 1610cl-RI-10B V 1610cl-RI-10B V 1610cl-RI-10B V 1610cl-RI-10B V 1610cl-RI-10B V 1610cl-RI-11B V 1610cl-R7-12A Duct Wrap		V.		
1610CL-RI-10B 1610CL-R6-11A Flooring-6		Flooring -1		
1410CL-R6-11B 1410CL-R7-12A Duct Wrap	6 IDCL-RI-10B	Jo		_
1410CL-R6-11B 1410CL-R7-12A Duct Wrap	1610CL - R6- 11A	Flooring-6	<u> </u>	
	1410CL-R6-11B	· V -		
		Duct Wrap		<i>I</i>
*Comments/Special Instructions:	1610CL-R4-12B			

Page 2 of 3 pages

H M S

EMSL ANALYTICAL, INC.

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

EMSL Analytical, Inc. 1010 Yuma Street

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

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
4610CL-B-13A	Textured Drywall		5-10-18
4410CL-B-13B			
4610CL-B-13C	V		
4610CL-B-14A	Panel/Mastic		
4610CL - B-14B	L L		
4610CL-5W-15A	Linoleum	<u> </u>	
4610CL-SW-15B	V		
4610CL- B -16A	Pald Stick Tile		
4610CL-B-16Q	<i> </i>		
4610CL-B-16B	V		
4610CL-EX-17A	Roofing - H V Roofing - G		
4610CL-EX-17B	V		
4610CL-EX-18A	Roofing - G		/
4610CL-EX-18B	<u>/</u> °		v
	<u> </u>		
*Commonto/Prosi			
*Comments/Special	instructions:		

Page <u>3</u> of <u>3</u> pages

LABORATORY RESULTS & CHAIN OF CUSTODY -LEAD & TCLP



EMSL Order: 201805189 CustomerID: ALLP62 CustomerPO: ProjectID:

Attn:	Richard Ralston	Phone:	(719) 225-6953	
	All-Phase Environmental Consultants, Inc 721 West 9th Street Pueblo, CO	Fax:	(719) 542-2807	
		Received:	05/14/18 10:30 AM	
		Collected:	5/10/2018	

Project: 18-3066-C70-L-AP-74

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

Client Sample Desc	ription Lab ID Collected	Analyzed	Weight	Lead Concentration
4610CL-1L	201805189-0001 5/10/2018	5/16/2018	0.2636 g	<0.0080 % wt
	Site: R7- Dark Blue			
4610CL-2L	201805189-0002 5/10/2018	5/16/2018	0.2514 g	<0.0080 % wt
	Site: R7- White			
4610CL-3L	201805189-0003 5/10/2018	5/16/2018	0.2517 g	0.041 % wt
	Site: R7- Brown			
4610CL-4L	201805189-0004 5/10/2018	5/16/2018	0.2672 g	<0.0080 % wt
	Site: R7- Pink/Gold			
4610CL-5L	201805189-0005 5/10/2018	5/16/2018	0.2915 g	<0.0080 % wt
	Site: R4- Mint Green			
4610CL-6L	201805189-0006 5/10/2018	5/16/2018	0.2729 g	<0.0080 % wt
	Site: R1- Lime Green			
4610CL-7L	201805189-0007 5/10/2018	5/16/2018	0.2764 g	<0.0080 % wt
	Site: R7- Salmon			
4610CL-8L	201805189-0008 5/10/2018	5/16/2018	0.2616 g	<0.0080 % wt
	Site: R1- Green/Brown			
4610CL-9L	201805189-0009 5/10/2018	5/16/2018	0.2544 g	0.024 % wt
	Site: R1/H- Door- White			
4610CL-10L	201805189-0010 5/10/2018	5/16/2018	0.2629 g	<0.0080 % wt
	Site: Stairwell- Brown			
4610CL-11L	201805189-0011 5/10/2018	5/16/2018	0.2624 g	0.21 % wt
	Site: Basement- Blk/Red/Wh	lite		
4610CL-12L	201805189-0012 5/10/2018	5/16/2018	0.2679 g	1.8 % wt
	Site: Exterior- Gray			
4610CL-13L	201805189-0013 5/10/2018	5/16/2018	0.2507 g	2.9 % wt
	Site: Exterior- Tan			
4610CL-14L	201805189-0014 5/10/2018	5/16/2018	0.2555 g	2.4 % wt
	Site: Garage- Tan			

Hein Mucho

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



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

201805189

EMSL Analytical, Inc. 200 Route 130 North

Cinnaminson, NJ 08077 PHONE: 1-800-220-3675

FAX: (856) 786-5974

Report To (Name): Richard Ralston	/Province: CO			ires written		party					
City:Pueblo State Report To (Name): Richard Ralston	Province: CO			neo whiteh		uniy					
Report To (Name): Richard Ralston						Third Party Billing requires written authorization from third party Zip/Postal Code: 81003 Country: US					
		Tolonhon	ne #: 719-545-03	75	ooundy. oo						
rick@allabaaaanvira	montal com		ie #: 110 010 00								
Email Address: rick@allphaseenviro		Fax #:	- Andrewski - A	_	Purchase Order	:					
Project Name/Number: 18-3066-	C70 - L - AP-74	Please Pr	rovide Results:	Fax	✓ Email						
U.S. State Samples Taken: CO					le 🗌 Residential/Tax	x Exem					
	Turnaround Time (TA					_					
	24 Hour 🗌 48 Hou			Hour] 2 Wee					
Matrix	eted in accordance with EM Method	SL's Terms ai	Instrume	the second se	Reporting Limit	Che					
Chips % by wt. mg/cm² ppm (mg/kg		B	Flame Atomic Ab		0.01%	-					
Air	NIOSH 7082 NIOSH 7105		Flame Atomic Ab		4 µg/filter						
	NIOSH 7300M/NIOS	-	Graphite Furna		0.03 µg/filter 0.5 µg/filter						
Wipe* ASTM	SW846-7000		Flame Atomic Ab								
non ASTM	Svv840-7000	0	Fiame Atomic Ab	sorption	10 µg/wipe						
If no box checked, non-ASTM Wipe	SW846-6010B	or C	ICP-OES	-	1.0 µg/wipe						
TCLP	SW846-1311/7000B/5	SM 3111B	Flame Atomic Ab	sorption	0.4 mg/L (ppm)						
	SW846-1311/SW846-6	6010B or C	ICP-OES		0.1 mg/L (ppm)	E					
SPLP	SW846-1312/7000B/S		Flame Atomic Ab		0.4 mg/L (ppm)						
	SW846-1312/SW846-6		ICP-OES		0.1 mg/L (ppm)						
TTLC	22 CCR App. II, 700		Flame Atomic Absorption		40 mg/kg (ppm)						
	22 CCR App. II, SW846-		ICP-OES		2 mg/kg (ppm)						
STLC	22 CCR App. II, 700		Flame Atomic Ab		0.4 mg/L (ppm)						
8-11	22 CCR App. II, SW846-		ICP-OES		0.1 mg/L (ppm)						
Soil	SW846-7000		Flame Atomic Ab		40 mg/kg (ppm)						
	SW846-6010B		ICP-OES		2 mg/kg (ppm)	_					
Wastewater Unpreserved	SM3111B/SW846-		000B Flame Atomic Absorption Graphite Furnace AA		0.4 mg/L (ppm)						
Preserved with $HNO_3 pH < 2$	EPA 200.9 EPA 200.7	Graphite Furna ICP-OES			0.003 mg/L (ppm) 0.020 mg/L (ppm)						
	EPA 200.7 EPA 200.8		ICP-MS		0.001 mg/L (ppm)						
Drinking Water Unpreserved	EPA 200.8 EPA 200.9		Graphite Furnace AA ICP-OES		0.003 mg/L (ppm)						
Preserved with $HNO_3 pH < 2$	EPA 200.5				0.003 mg/L (ppm)						
	40 CFR Part		ICP-OES		12 µg/filter						
TSP/SPM Filter	40 CFR Part		Graphite Furna	ce AA	3.6 µg/filter						
Other:											
Name of Sampler: Richans	RAISTON	Signa	ture of Sample	: M	labter						
Sample # Loca	and the second design of the		Volume/Are		Date/Time	Sampl					
	Dark Blue				5-10						
27.	White				1						
Client Sample #s	WMIC		Tota	l # of Sa	mples: 14						
	1100	-	I TOCA	12.2		>					
Relinquished (Client):	ALC Date:	27	-11-18	Time:	530						
Received (Lab):	Date:	21	4/18	Time:	30 Eusu						
BillTo: All-Phase Environmental Consultants, Inc., 721 W.	9th Street, Pueblo, CO, 81003, US		ly run a	nee les	ad sample if are comple	for					
Attention: Rick Ralston Phone: 719-641-6936 Email: rick@		se Order.	Same	maine	fare comp	refe					
roceed with analysis to	LIDER ALS		sume p	reject	are comp						



LEAD (Pb) CHAIN OF CUSTODY

EMSL ORDER ID (Lab Use Only):

201805189

EMSL Analytical, Inc. 200 Route 130 North

Cinnaminson, NJ 08077

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

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

Sample #	Location	Volume/Area	Date/Time Sample	
4610CL-3L	R7-Brown		5-10-18	
46102-42	RT- Pink/Gold		1	
4610CL-SL	R4 - Mint Green			
461002-62	RI - Lime Green			
4610CL - 7L	RT- Salmon			
46104-82	RI - Green/Brown			
4610CL-9L	RI/H - Door - White			
4610CL-10L	Stairwell - Brown			
4610CL-11L	Basement - BIK/Red/white	-		
4610CL-12L	Exterior - Gray			
4610CL-13L	Exterior - Tan			
46100-142	Garage - Tan	2	\checkmark	
	Instructions: Consultants, Inc., 721 W. 9th Street, Pueblo, CO, 81003, US 719-641-6936 Email: rick@allphaseenvironmental.com Purchase Order.			

Page 2 of 2 pages

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

Page 2 Of 2

EMSL	EMSL Analytical, Inc. 200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 786-5974 http://www.EMSL.com cinnaminsonlead	dlab@emsl.com	EMSL Order: 201805469 CustomerID: ALLP62 CustomerPO: ProjectID:	
Attn: Richard F	alston	Phone:	(719) 225-6953	
All-Phase	Environmental Consultants, Inc	Fax:	(719) 542-2807	
	9th Street	Received:	05/21/18 11:30 AM	
Pueblo, C		Collected:	5/10/2018	
Project: 18-3066- (C70- T- AP- 74			ļ

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

Client Sample Descripti	on Lab ID	Collected	Analyzed	Lead Concentration	
4610CL-TCLP	201805469-0001	5/10/2018	5/23/2018	<0.40 mg/L	-
	Site: Entire Stru	cture			

Alig ar aday

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 05/24/2018 10:31:11

1



Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

201805469

EMSL Analytical, Inc. 200 Route 130 North

Cinnaminson, NJ 08077 PHONE: 1-800-220-3675 FAX: (856) 786-5974

Company : All-Phase Environmental C	onsultants, Inc.	EMSL-Bill to: Same Different						
Street: 721 W. 9th Street								
	Province: CO	Third Party Billing requires written authorization from third party Zip/Postal Code: 81003 Country: US						
	Province: CO			75		Junury: 03	-	
Report To (Name): Richard Ralston			e #: 719-545-03	15				
Email Address: rick@allphaseenvironn		Fax #:			Pu	irchase Order:		
Project Name/Number: 18-3066 - C	:70-T-AP-74	Please Pr	ovide Results:	Fax	√ Ema	l		
U.S. State Samples Taken: CO			les: 🗌 Commerc		ble 🗌 R	lesidential/Tax	Exempt	
	urnaround Time (TA							
	Hour 48 Hour			Hour		Week 🗌	2 Week	
*Analysis complete Matrix	d in accordance with EMS Method	L's Terms ar	nd Conditions locate			orting Limit	Check	
Chips % by wt mg/cm ² ppm (mg/kg)		-					-	
	SW846-7000E		Flame Atomic Ab			0.01%		
Air	NIOSH 7082		Flame Atomic Ab			µg/filter	H	
	NIOSH 7105 NIOSH 7300M/NIOS		Graphite Furna ICP-OES	ce AA		3 µg/filter 5 µg/filter	H	
Wipe* ASTM	SW846-7000E			orntion				
Non ASTM	300040-70008	,	Flame Atomic Ab	sorption		µg/wipe		
*if no box checked, non-ASTM Wipe	SW846-6010B o	or C	ICP-OES		1.0) µg/wipe		
TCLP	SW846-1311/7000B/S	M 3111B	Flame Atomic Ab	sorption	0.4 r	ng/L (ppm)	X	
	SW846-1311/SW846-6	010B or C	ICP-OES			ng/L (ppm)		
SPLP	SW846-1312/7000B/S	M 3111B	Flame Atomic Ab	sorption	_	ng/L (ppm)		
SPLP	SW846-1312/SW846-6	010B or C	ICP-OES		0.1 mg/L (ppm)			
TTLC	22 CCR App. II, 7000)B/7420	Flame Atomic Ab	sorption	40 mg/kg (ppm)			
TIES	22 CCR App. II, SW846-6		ICP-OES			g/kg (ppm)		
STLC	22 CCR App. II, 7000		Flame Atomic Ab	sorption		ng/L (ppm)		
	22 CCR App. II, SW846-6		ICP-OES		0.1 mg/L (ppm)			
Soil	SW846-7000E		Flame Atomic Ab	sorption		ig/kg (ppm)		
	SW846-6010B o		ICP-OES			g/kg (ppm)		
Wastewater Unpreserved	SM3111B/SW846-7	Flame Atomic Absorption			ng/L (ppm)			
Wastewater Unpreserved Preserved with HNO ₃ pH < 2	EPA 200.9 EPA 200.7		Graphite Furnace AA ICP-OES		0.003 mg/L (ppm) 0.020 mg/L (ppm)		H	
	EPA 200.8		ICP-MS			mg/L (ppm)	Ē	
Drinking Water Unpreserved	EPA 200.9		Graphite Furnace AA		0.003 mg/L (ppm)			
Preserved with $HNO_3 pH < 2$	EPA 200.5		ICP-OES			mg/L (ppm)		
TSP/SPM Filter	40 CFR Part 5	0	ICP-OES			µg/filter		
I SP/SPIM Filler	40 CFR Part 5	0	Graphite Furna	ce AA	3.6	b µg/filter		
Other:					-			
Name of Sampler: Richans R.	KOTON	Signa	ture of Sample	: RI	astor	_		
Sample # Locati			Volume/Are			Date/Time S	ampled	
4610CL-TCLP Entire St	tructure					5-10	-18	
	incine					5 15	10	
							-	
Client Sample #s -	1110	-	Tota	I # of Sa	amples	. /	_	
Relinquished (Client):	Date:	5-	11-18	Time:		527		
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BillTo: All-Phase Environmental Consultants, Inc., 721 W. 9th		Order	Developing	A las	1.10	alor na	alise	
Attention: Rick Ralston Phone: 719-641-6936 Email: rick@all	pnaseenvironmental.com Purchase	a Order:	perlogan	1 10	Id Sa	mples per	lyng	
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	Page 1 Of	1						



6b. Asbestos Abatement Project Design



Industrial Hygiene, Safety & Environmental Services

(Version 1, 11/30/18)

ASBESTOS ABATEMENT PROJECT DESIGN

SINGLE FAMILY RESIDENCE ABATEMENT PROJECT

4610 CLAYTON STREET DENVER, COLORADO 80216

PREPARED FOR:

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

November 30, 2018

FEI Project Number: AS18207-13

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

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

1.0	Scope of Work	. 4
1.1	Materials Identified for Removal	. 4
1.2	Schedule	. 4
1.3	Sequence of Work	. 4
1.4	Discussion of Removal Methods	. 5
2.0	Special Conditions	. 6
2.1	Regulatory Notification and Variances	. 6
2.2	Project Manager Requirement	. 6
2.3	Facility Occupancy Status	. 6
2.4	Site Security	. 6
2.5	Field Changes	. 6
3.0	Project Design	. 6
3.1	Standards and Primacy of Rules	. 6
3.2	Site Access	. 7
3.3	Utilities Service	. 7
3.4	Decontamination Facilities & Load-Out Facilities	. 7
3.5	Pre-Cleaning Activities	. 7
3.6	Critical Barriers	. 7
3.7	Negative Pressure Ventilation	. 7
3.8	Air Exchange Calculations	. 8
3.9	Containment Construction	. 8
3.10	Set up of work areas	. 9
3.11	Asbestos Removal	. 9
3.12	Asbestos Spill Response	. 9
3.13	Asbestos Waste Transportation, Storage, and Disposal	10
W	aste Disposal:	10
W	aste Transporter:	10
3.14	Final Clean/ Final Visual Inspection Criteria	10
3.15	Final Air Clearance Monitoring	10
3.16	Personal Exposure Air Monitoring	11
3.17	Electrical Hazards Control	11
3.18	Emergency Egress and Fire Protection	11
3.19	Fire Protection Plan	11
3.20	Fall Protection	12
3.21	Respiratory Protection / PPE	12
3.23	Work Area Protection	12
3.24	Additional PPE	12
3.25	Pre-Abatement Document Submittal	12

Table of Contents

APPENDIX A – Drawings

APPENDIX B – Certificates

1.0 Scope of Work

1.1 Materials Identified for Removal

The General Abatement Contractor (GAC) will be performing the removal of asbestos containing material(s) as indicated in the table below. This information was gathered from the inspection report prepared by All-Phase Environmental Consultants (APEC) dated June 17, 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 on this project 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.)
4610CL-R7-12A	ROOM 7	DUCT WRAP 70% CHRYSOTILE	PLM	Good	DUCT WRAP	REGISTERS IN	RACM	-25
4610CL-R4-12B	ROOM 4	DUCT WRAP 65% CHRYSOTILE	PLM	Good	DUCT WRAP	ROOMS 784	RACM	
ND=Non-Detect PLM=Polarized Ligh NA=Not Applicable RACM=Regulated A		ng 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: December 26, 2018 Project Completion Date: January 8, 2019

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: December 26, 2018

Finish: January 8, 2019

Abatement of vent wrap in all designated areas will be completed in two secondary containments.

1.4 Discussion of Removal Methods

All friable asbestos-containing vent wrap, as well as asbestos contaminated materials that are located in the work area shall be removed from their installed locations via facility component removal inside a secondary containment and by utilizing wet removal methods and a combination of handheld tools.

Waste generated during removal will be gathered wrapped with 6ml thick polyethylene sheeting 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:

Secondary Containments

The GAC shall conduct abatement activities in accordance with CDPHE Regulation No. 8 in the following mandatory sequence for secondary 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.4, Secondary Containment)
- 7) Conduct abatement (pursuant to subsection III.V.2, Facility Component Removal)
- 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.

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, drawings, 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 01/08/19.

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. The load-out will be separate from the decontamination unit and shall be used for temporary storage of waste. Construction shall consist of a minimum of two separate chambers separated by airlocks.

3.5 **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.

3.6 Critical Barriers

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

3.7 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.

3.8 Air Exchange Calculations

AIR CHANGE CAL	CULATIONS	for a 2000 cfm negative air machine (NAM)
AIR CHANGES =	<u>A</u>	<i>Where:</i> $A = Work$ area volume in cubic feet $(l \times w \times h)$ B = 15 minutes
	B x C	C = Estimated rated capacity of NAM (1,500 cfm)

Phase 1 –

Vent Wrap Facility Component Removal (Secondary Containment #1)

А	=	8	х	18	х	9	=	1296	cubic feet	
В	Х	С	=	2	2,50	0				
	129	6	/	2	2,50	0	=	0.06		1 NAM required

Vent Wrap Facility Component Removal (Secondary Containment #2)

А	=	8	х	15	х	9	=	1080	cubic feet	
В	Х	С	=	2	2,500	0				
	108	0	/	2	2,500	0	=	0.05		1 NAM required

3.9 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

3.10 Set up of work areas

Containment Components

2"x 4"s wood studding can be used as temporary framing to support any 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 shall be used. View ports will be installed where appropriate with a minimum of 12" x 12" PlexiTM glass and or exterior windows.

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

3.11 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.

3.12 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 <u>HEPA vacuuming</u> 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.

3.13 Asbestos Waste Transportation, Storage, and Disposal

All ACM waste must be wrapped in two layers of 6 mil polyethylene sheeting or doublebagged 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, building systems, 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.

3.14 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.

3.15 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	State-Permitted Project in Non-School Building Minimum # of samples to clear each of the following:			
where the amount of ACM is:				
	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	2	5		
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	5	5		
feet/volume equivalent of a 55-gallon drum				
Greater than 160 square feet/260 linear feet/volume	5	5		
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/cm³ for PCM using the NIOSH Method 7400 or 70 structures per square millimeter (70 s/mm²) 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.

3.16 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.

3.17 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.

3.18 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.

3.19 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.

3.20 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.

3.21 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.

3.23 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.

3.24 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.

3.25 **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.

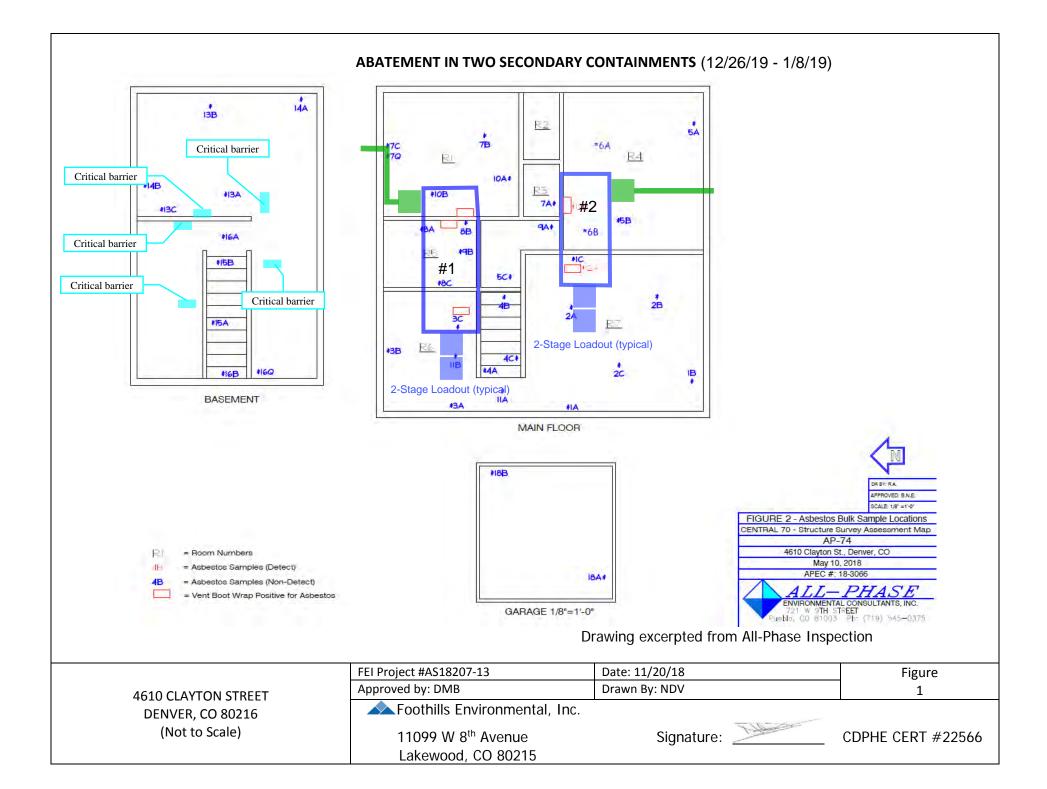
- ✓ Copies of all worker AHERA / STATE certifications.
- ✓ Copies of all worker asbestos medical evaluations.
- \checkmark Copies of all worker respirator fit tests.
- ✓ Copies of MSDS for all chemicals (spray-glue, encapsulant, surfactant etc.) that will be used
- ✓ Asbestos waste receipt / total.

Completed by:

15

Nicolas D. Vasquez CDPHE Asbestos Project Designer Certificate # 22566 Foothills Environmental Asbestos Consulting Firm CDPHE Registration # 14925 Appendix A

Drawings



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, 2018Expires:January 30, 2019

Authorized APCD Représentative

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: Expiration Date: Course Hours:

SUPER CHC TRAINING EST. 2007 ACCREDITED ALUMNI INTERIO DECEMBER 21, 2017 DECEMBER 21, 2018 8.0

Frank Hulce

Instructor

CHC Training Certificate No. R17-2200-APD-CO Visit our Website



Verify Credential



Danaya N. Benedetto

Co-Founder & CEO Training Program Manager

Credential License ID: 11084750



6c. Pre-Demolition Engineering Survey

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Pre-Demolition Survey And General Demolition Plan For 4610 Clayton Street Denver, CO 80216



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

> June 28, 2018 Project No: 180113

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

ANCHOR ENGINEERING, INC.

June 28, 2018

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

Re: 4610 Clayton Street, Denver, CO 80216 Pre-Demolition Engineering Survey per OSHA 1926.850(a) And General Demolition Plan

Date of Observation: 06/26/18

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 Tuesday, June 26, 2018.

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

The purpose of our site visit was twofold:

- 1. To give an assessment of the current condition of the structure as it relates to structurally related hazards before the proposed demolition activities. OSHA 1926.850 is stated below, along with project specific applicability to the subject building.
 - a. <u>OSHA 1926.850(a)</u>: 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.

<u>Project Specific Applicability</u>: 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. <u>OSHA 1926.85(b)</u>: 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.

<u>Project Specific Applicability:</u> 4610 Clayton 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. <u>OSHA 1926.850(c)</u>: 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.

<u>Project Specific Applicability:</u> 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.

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



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.

<u>Project Specific Applicability:</u> The demolition of 4610 Clayton Street, Denver, CO 80216 does not require any power, water or other utilities.

e. <u>OSHA 1926.850(e)</u>: 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.

<u>Project Specific Applicability:</u> 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.

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

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

<u>Project Specific Applicability:</u> 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.

<u>Project Specific Applicability:</u> 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.

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

OSHA 1926.850(i): 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.

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



j. <u>1926.850(k)</u>: 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.

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

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

No architectural or structural drawings were provided for our review.

The residence is a single-story residential structure and is assumed to be founded on a spread footings. The structure has a full basement with concrete foundation walls and an assumed concrete slab on grade floor. The residence is approximately 25'-6'''x25'-6''. The wall and roof framing is assumed to be composed of dimension lumber framing. The detached garage is approximately 12'x20' with the long direction oriented north to south. It is a wood-framed structure on a concrete foundation with a slab on grade floor.

Existing Condition Observation

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

Outline of Proposed Demolition Procedures, Equipment, and Sequence

Equipment

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

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

Demolition Sequencing

<u>General</u>

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

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

During demolition, water will be used to wet down the area that is being demolished prior to starting the demolition. During the demolition process a water spray will be used to minimize the fugitive particulate matter emissions. The ground will be sprayed with water either by water truck or some type of water spray to minimize fugitive particulate emissions from haul trucks and demolition equipment.

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🔹 2535 17<sup>TH</sup> STREET, DENVER, CO 80211 🔹 303-783-4797 🔹 303-830-9133 FAX 🌸
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Sequence

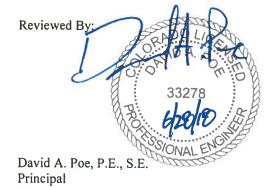
The residence superstructure may be collapsed into the basement starting at either the north or south sides of the building and proceeding thru the length of the building in the north/south direction. Do not drive equipment onto the footprint of the building until the structure has been collapsed. The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

Closing

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

Sincerely, Anchor Engineering, Inc.

Glen L. Wilson, E.I. Design Engineer



\$ 2535 17" STREET, DENVER, CO 80211 \$ 303-783-4797 \$ 303-830-9133 FAX \$



7. Asbestos Clearance Report

Asbestos Abatement • Lead Abatement • Mold Remediation • Soil Remediation • Select Interior/Structural Demolition jksindustries.net • 0:303.238.0207 • F: 303.238.0452 • 747 Sheridan Blvd. #9A, Lakewood, CO 80214 Veteran Owned • Certified: MBE, DBE, SBE



December 21, 2018

Interior Air Monitoring Clearance

Re: AP-74 4610 Clayton Street Denver, Colorado 80216

To Whom It May Concern:

On, December 19, 2018, Logan Greenfield, Colorado Certified Asbestos Building Inspector and Colorado Air Monitoring Specialist with All-Phase Environmental Consultants, Inc. (APEC), conducted Air Monitoring clearances at the above referenced Subject Property. A visual inspection and air samples were collected inside the abatement containment to ensure that the asbestos fiber counts are below the regulated standard to guarantee this area is safe to re-occupy.

The Containment Air clearance consisted of five (5) 0.08um sampling cassettes, five (5) 1-16 liter per minute pumps, along with Two (2) 20-inch box fans and a one-horse power leave blower used to perform an aggressive clearance of the containment. *All-Phase Environmental is an approved and certified Colorado Department of Public Health and Environment asbestos laboratory.*

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

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

APEC will not be held responsible for the mishandling of the information contained herein, and/or any items found after December 19, 2018.

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

Sincerely,

Afil

Logan Greenfield Colorado Certified Asbestos Inspector and AMS - 20715



APEC Project No.:

Customer ID:

AIHA 214132/0	CDPHE AL-15979						
Attn:			Phone:				
			Email:				
			Received:				
			Analysis Date:				
Customer Project	Ref.:		Sample Date:				
Sample ID	Location	Volume (Liters)	Fibers	Fields	Fibers/mm ²	Fibers/cc	Type Samj
oumpre 12						110010/00	
	have been blank corrected Contrast by Phase Contrac		NIOSH 7400 Method	Revision 3 Iss	10 2 8/15/9/		
iser count by muse							
Analyst(s) Loga	an Greenfield		Kuhan	e Ka	lator		
			Richard Ralston,	Laboratory	Director	I	

THIS IS THE LAST PAGE OF THE REPORT

unless otherwise noted. Samples analyzed by APEC, Pueblo, CO.

AD WAD WAD WAD WAD WAD WAD



Colorado Department of Public Health and Environment

ASBESTOS LABORATORY

This certifies that

All Phase Environmental Consultants, Inc.

Registration No.: AL - 24462

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

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

Authorized APCD Representative SEAL



8. Materials Summary

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February 11, 2019

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

RE: AP-74 4610 Clayton St. - Summary of Removed Materials

Dear Megan,

Below is a summary of the materials removed from 4610 Clayton 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 14).

Material Removed	Quantity
Asbestos Containing Paper Duct Wrap	25 SF
Clean Demolition Debris	428,400 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

-	ASBESTOS NESHAP W	ASTE SH	IIPM	ENT	RECO	JRD		
A	1. Generator ID Number 2. Page 1 of	3. Emergency Response 800-424-		4. Waste	Tracking Num	^{ber} 2253288		
	5. Generator's Name and Mailing Address COLORADO DEPARTMENT OF TRANSPORTATION 747 SHERIDAN BLVD UNIT 9A LAKEWOOD CO 80214 Generator's Phone: 6. Transporter 1: Complete Company Name and Address	Generator's Project Add AP-74 4610 Clayton Denver Co St	lress (if differ S&	ent than mailing		nsporter Phone		
	7. Transporter 2: Complete Company Name and Address				Tra	nsporter Phone		
	8. Designated Disposal Facility Name and Site Address DENVER ARAPAHOE DISPOSAL			Facility's Pl	hone:			
	3500 S GUN CLUB RD AURORA CO 80018 (720) 876-2620							
	9. Waste Shipping Name, Description, & Profile Number	10. Cont No.	ainers Type	11. Total Quantity	12. Unit Wt./Vol.			
GENERATOR -	1. RQ, NA 2212, Asbestos, 9,PG III 12677500			10	NC	DNE		
GEI	2.							
	 Regulatory Agency: Colorado Department of Public Health and Environm 4300 Cherry Creek Drive South Denver, CO 80222-1530 	nent	Emergency Notification: CHEMTREC (800) 424-9300 24-hour Toll Free Number					
	Customer Acct #: D 14925 Customer Name: JKS INDUST 15. Contractor/Generator Certification: I hereby declare that the contents of this consignment are fully and accurately of packaged, marked and labeled/ placarded, and are in all respects in proper cond and state governmental regulations. I hereby certify that the above described waste is not a hazardous waste as defin quantities of PCB's or radioactive materials.	lescribed above by t lition for transporta	tion and di	sposal acco	rding to ap	plicable national		
V	Nia Sterntamp on loshalt of COUT	inature				Month Day Year		
TRANSPORTER	DE UNOFRE	nature				Month Day Year 1227818 Month Day Year		
-	17. Special Handling Instructions Soil originating from the above site shall not be used as daily cover or sold	d as clean fill.						
TED FACILITY	18. Discrepancy Indication Space:		1		19. Tic	ket# 5282725		
- DESIGNA	Initials of Person noting discrepancySignature 20. Management Method/Location LandfillMonofillLocation:					Date		
	21. Designated Disposed Facility Owner or Operator: Certification of receipt of materials covered by the manif	est except as noted in Iter	n 18					
¥	Printed/Typed Name/MMAM	nature				Month Day Year		

DESIGNATED FACILITY TO GENERATOR

CWMI



10. Weight Tickets



10a. Daily Load Trackers and Associated Truck Tickets



1-4-19

Date:

Daily Load Tracker Prepared By: Mario Hermosillo

							Material			U	Dump Site Ticket
	Arrival Time		Departure Time		Load #	Truck #	Code	Description	Tons/Yards	Dump Site	Number
[7:45	and / pm	8:10	am)/ pm	1	CH 575	trash	Demo elebris	18 123	Dails	
	8:30	am pm	9:00	and / pm	2	CH 376	Trash	Dears cluborrs	18425	Pads	
6	10:00	any / pm	10:20	am / pm	3	CH 575	trash	Deno debris	18425	Dads.	
1	10:35	am / pm	11:05	and / pm	4	CH 376	trash	Demo debris	18123	Dads	
2	11:55	am/ pm	12:25	am (pm)	5	C#575	trash	Deno debris	18425	Pads	
1/4	1:20	am / fm	1:45	am (Bm)	6	CH376	trash	Demo debois	18yds	+Bds	
	1:30	am / pm	3:00	am / m	7	CH 575	trash	Demo clubris	Byds	Dads	
	3:45	am / pm	11.10	am / pm	8	CH376	Trash	Deno dubris	18-123	Gads	
	4:40	am / pm	Filb	am / fm	9	CH575	trash	Demo dubins	18 yds	Dadg	
-	7:30	am /pm	7:50	6 / pm	10	CH 333	TRASH	DEMO DEBRIS	18905	DADS	
	7:45	(am) pm	8:11	6 pm	11	CH 575	TRASM	DEMO DEBNIS	18 YDS	DADS	
19	9:46	am) pm	9:55	am/ pm	12	CH 333	TRASH	DEMO DEBRIS	1845	DADS	
S	9:55	am) pm	10:15	(m) pm	13	CHSUS	TRASH	DEMO DESNIS	18405	DADS	
1/2	11:50	(any) pm	12:10	am / m	14	CH 333	TRASH	DEMO DESNES	18405	DADS	
	12:15	An Icm		am / 600		CH575	TRASH	DEMO DEBRES	18 425	DADS	
	1:48	am / pm		am pm	16	(+1333	-	DEMO DEBRES	18405	DADS	
	2:05	am / pm	2121	am /m	17	CH STS	TRASH	DEMO DEBRIS	18 405	DADS	
	6:05	am / pm		am / pm		CIIDIE					
				am / pm							
	12.00	am / pm		am / pm	1						
		am / pm am / pm		am / pm							
	1	am / pm	1	am / pm	1		6				
				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,





DATE	10000		
DATE ()-04-19	JOB DES	CRIPTION:	
TRUCK # CH S75		1 20	
TANDEM TRAILER	7 /	-70	
MATERIAL Demo			
	LC	DADS	UNLOADS
JOB#	110	ad	
LOAD AT		-1	
46th & Charton	11	ad I	
Clayton		the	
	1/00	24	
1411 0 4 10 4 7	1 Log	A	
JNLOAD AT			
DADS			
, , , , , , , , , , , , , , , , , , , ,		10	
		6	
ATE \$			
OURLY TONMILE			
TART TIME 7:30			
TOP TIME 6:30	1		
TOTAL HOURS			
1/hrs			
11115	OWNER OF	TRUCK	
DRIVER'S NAM		1	
1 10001	1	1.41	RIZED SIGNATURE
due 30 days from date of this st lection of this account becomes	atement Dael due	(aunos)	ala

			Westminster, CO 80 Fax 303-331-825 PH 720-357-144
BILL TO: 54	25		
DISPATCHED BY:	1		
DATE: 1 4/19	JOB DES	SCRIPTION:	
TRUCK # CH37C]	2 - 70)
TANDEM	0		
MATERIAL		DE	Emo
	L	DADS	UNLOADS
JOB#	1	x	AP 74
LOAD AT	2		11
462 8	2		4
CLAYTONSE	4		11
JNLOAD AT			
ONDC			
D.A.D.S			4
			0
RATE \$			
START TIME SOOM			
STOP TIME 6:00			
TOTAL HOURS			
1:0	OWNER C	F TRUCK:	
DRIVER'S NAM	ME	AUTH	ORIZED SIGNATURE
M.A.C.F.		Idan	-





BILL TO: JKS		
DISPATCHED BY:		
DATE 01-05-19	JOB DESCRIPTION:	-
TRUCK #CHS75	1 1-70	
	1 + 70	
MATERIAL Demo	1	
A CHERRY AND A CHERRY	LOADS	UNLOADS
JOB#	()0gd	
LOAD AT	1 logd	
46 #	1/201	
clayton	1 Jona	
UNLOAD AT		
UNEOND AT		0
DRDS		0
0,1,100		
RATE \$		
	×	
START TIME 7:30		
STOP TIME 4:00		
TOTAL HOURS		
8.5		
0.0	OWNER OF TRUCK:	
DRIVER'S NAM	E AUTHO	RIZED SIGNATURE
Inn	12	erest at 1.5% per month. In the osts and reasonable attorney to

construction & transpo	0		Vestminster, CO 80 Fax 303-331-825 PH 720-357-1448
BILL TO: JKS	Const		
DISPATCHED BY: C	chaens	Const	
DATE: 1- 5-19	JOB DESC	CRIPTION:	
TRUCK # 333	5		
	0		
MATERIAL DEMO			
	LO	ADS	UNLOADS
JOB# 18603	1000	lett.	
LOAD AT	8:et	dat	Ap.74
Clayton st	10:00	dads	Ap- 74
1	12:00	ded.	5 Ap-74
I to	2:00	dede	Ap-74
INLOAD AT			
Dades put			A
RATE \$			
HOURLY			
START TIME 730			
STOP TIME 4100			
TOTAL HOURS			
8:30			
0.00	OWNER O	F TRUCK:	
DRIVER'S NA	ME	AUTH	ORIZED SIGNATUR



10b. Waste Weight Tickets

WASTE MANAGEMENT

WASTE MANAGEMENT	Denver Arapahoe Disp 3500 S Gun Cleb , PO Aurora, CD, 80018 Ph: (720) 876-2620			Original Ticket∦ 3289758
Customer Name JKSINDUS Ticket Date 01/04/20	19	Carrier JKS Vehicle# 1	S INDUSTRIES J	KS INDUSTRIES Volume

Ticket Date 01/04/2019 Payment Type Credit Account Container Driver Manual Ticket# Check# Hauling Ticket# Billing # 0014925 Route Gen EPA ID State Waste Code Grid Manifest Destination Profile () Generator 2 1b* Scale Operator Inbound Gross Time In 01/04/2019 05:51:49 MANUAL WT aramirez 1 1b* Tare 1 16 Net Out 01/04/2019 05:51:49 aramirez Tons * Manual Weight Comments 32 loads 1/4/19 central 70 project = 544 yds

с ⁶

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

Pre	duct	LD%	Qty	MON	Rate	Fee	Amount	Origin
						in the rest and and and the star on (114 a	al mà line an ann an an an an an an an an	the wide and the second se
1	CDY-CONST DEBRIS	- 100	544.00	Yards				

Total Fees Total Ticket

.

402WM-N Driver's Signature 3

2470067

Date: 1-4-19

_ Ticket#: MP 74

ACCT#:306-14925

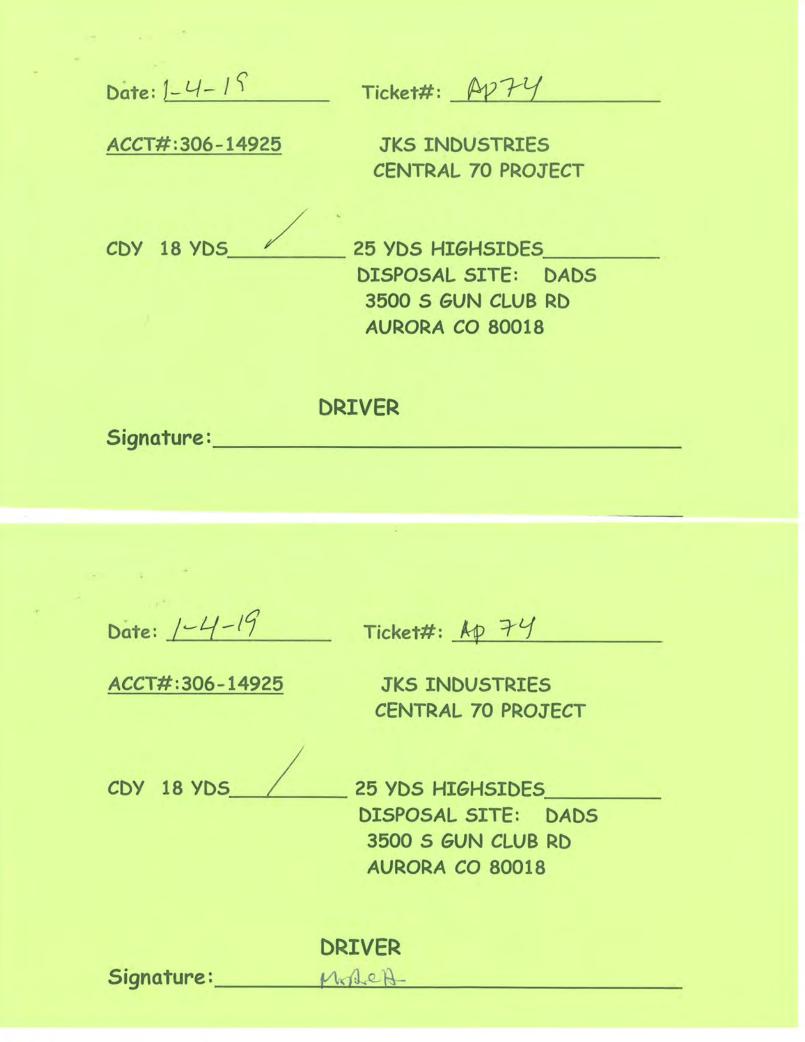
JKS INDUSTRIES CENTRAL 70 PROJECT

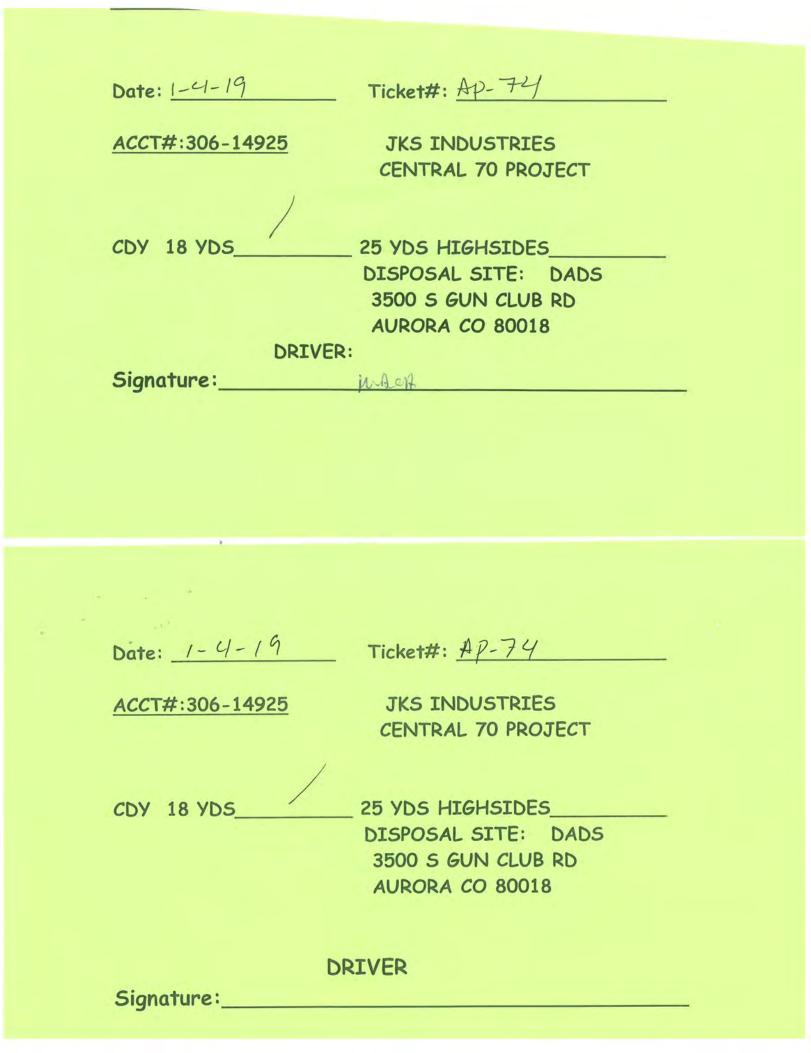
CDY 18 YDS_

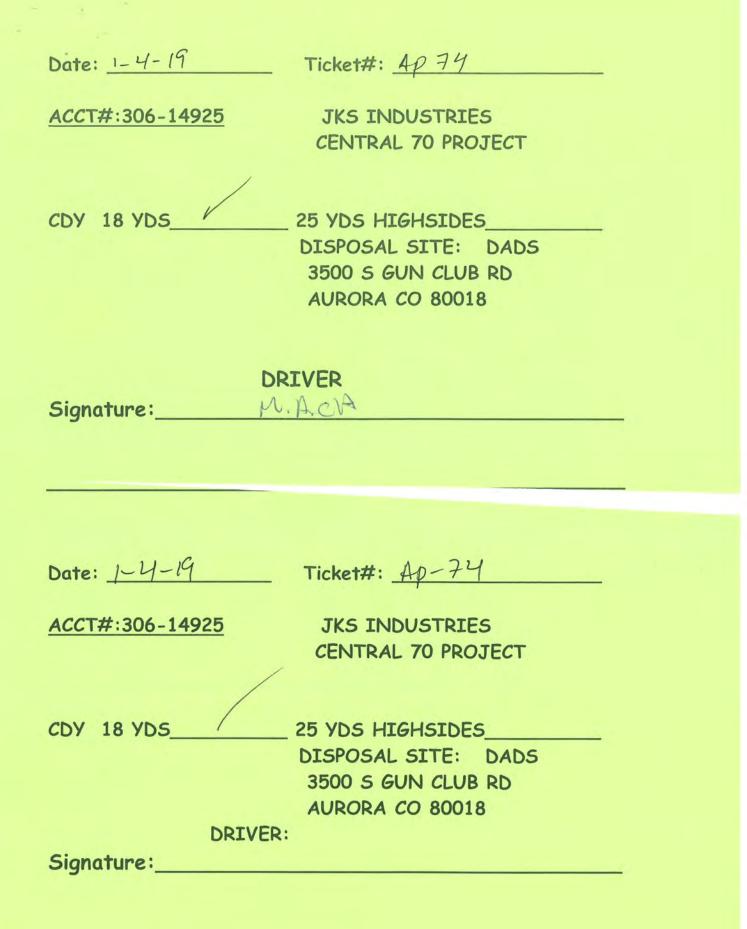
25 YDS HIGHSIDES_____ DISPOSAL SITE: DADS 3500 S GUN CLUB RD AURORA CO 80018

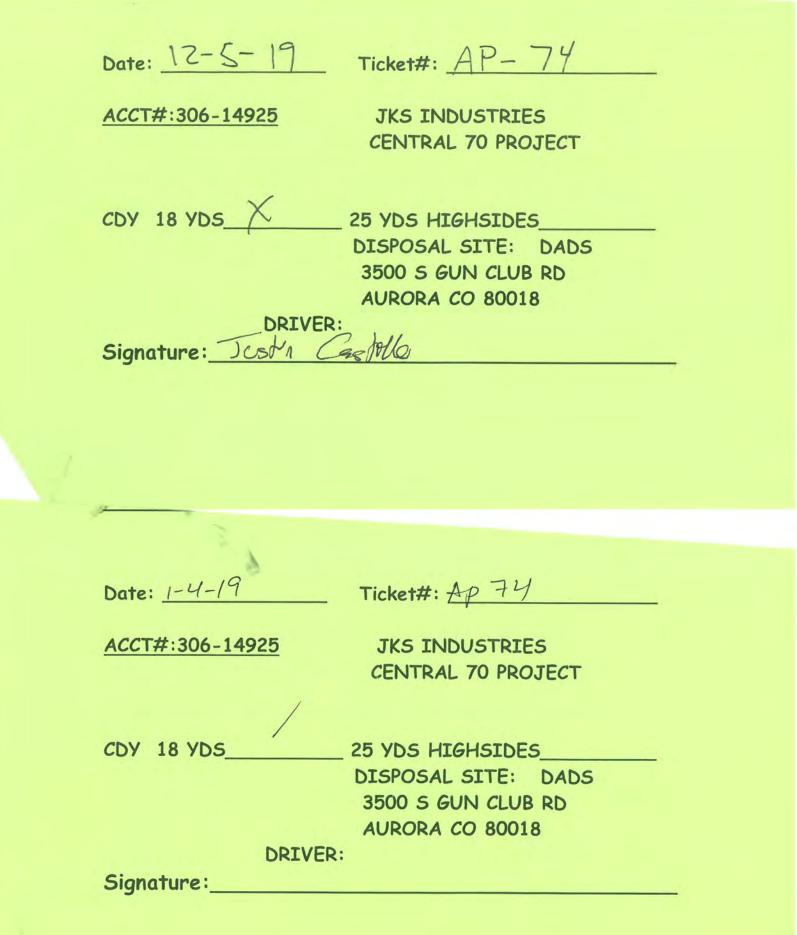
DRI Signature: Johna

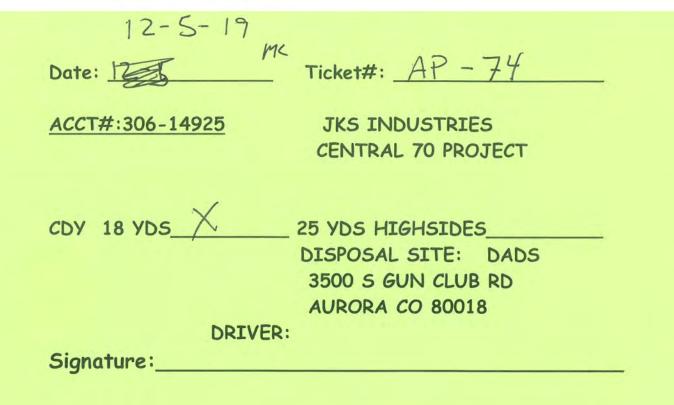
	32 X17= 544
Date: 1-4-19	Ticket#: <u>Ap-74</u>
<u>ACCT#:306-14925</u>	JKS INDUSTRIES
	CENTRAL 70 PROJECT
CDY 18 YDS	25 YDS HIGHSIDES
	DISPOSAL SITE: DADS
	3500 S GUN CLUB RD
	AURORA CO 80018
DRIVER	:
Signature:	











ACCT#:306-14925

. . .

Date: 1-5-19 Ticket#: AP74

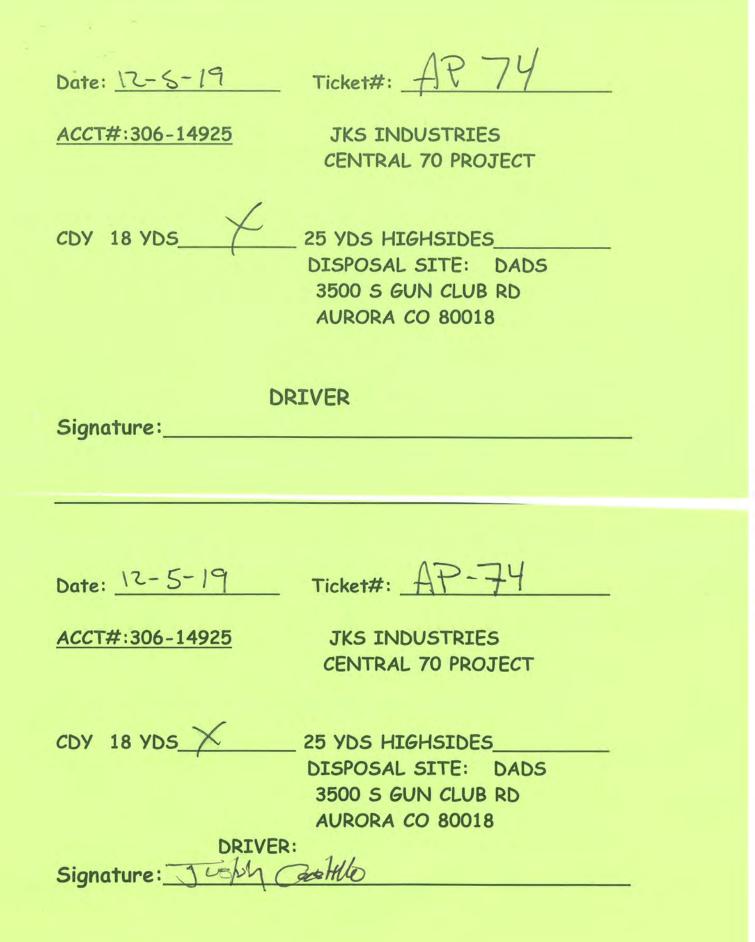
JKS INDUSTRIES CENTRAL 70 PROJECT

CDY 18 YDS

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

Signature: TUSM Constants

Date: 12-5-19 Ticket#: AP-74 ACCT#:306-14925 JKS INDUSTRIES CENTRAL 70 PROJECT CDY 18 YDS 25 YDS HIGHSIDES DISPOSAL SITE: DADS 3500 S GUN CLUB RD AURORA CO 80018 DRIVER Signature:_____ Date: 12-5-18 Ticket#: AP74 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 Signature: Jus



Date: 12-5-19	Ticket#: <u>AP-74</u>
<u>ACCT#:306-14925</u>	JKS INDUSTRIES CENTRAL 70 PROJECT
CDY 18 YDS	25 YDS HIGHSIDES DISPOSAL SITE: DADS 3500 S GUN CLUB RD AURORA CO 80018
DRIVER:	
Signature:	

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2

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11. Dump Diversion Summary

AP-74: 4610 Clayton St.

	Descriptions	Dump Diversion / Recycle %									
Phase	Activity	Unit of Measure	<u># of Yards</u> per_	<u># of</u> Containers	<u>Total</u> <u>Number of</u>	Pounds Per	<u>Total</u> Lbs	Recycled Yes/No	Pounds of Recycle or Dump	<u>% of</u> <u>Recycle or</u> <u>Dump</u>	
			<u>Container</u>		<u>Yards</u>	<u>Yard **</u>			<u>Diversion</u>	<u>Diversion</u>	
Abatement	Trash Rolloff	Cubic Yard	-	-	-	450.00	-				
Abatement	Asbestos Containers	Cubic Yard	-	-	-	500.00	-				
					-		-				
Demolition	Demolition Construction Debris	Cubic Yard	18	17	306.00	1,400.00	428,400				
Demolition	Concrete Debris	Cubic Yard	12	-	-	4,050.00	-	х	-	0.00%	
Demolition	Trees	Cubic Yard	-	-	-	500.00	-	х	-	0.00%	
Demolition	Steel	Lbs	-	-	-	-	-	х	-	0.00%	
Demolition	Copper	Lbs					-	х	-	0.00%	
				17	306.00		428,400		-	0.00%	

1 The source material used for the Volume to Weight conversions came from Waste Management web site.

2 Conversions ratio's have been modified based on estimated compaction.



12. Containment Entry/Exit Log

**Environmental Projects Only

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET Job Name: AP-74

Job #: 18-328

Date:

12-18-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Nartha Nahle				
2. Dennis Meja 3. Alon Martinez Coronal	7:15	10:45		
3. A los Marthoz Coronol	9:15	£1:15.	-	-
4.		-		
56				
7.				
8.				
9.				
10.				
11.				
12.				-
13.				
14.				
15.				
16.				_
17.				-
18.		-		
19.				
20.				

**Environmental Projects Only

mercoles.

JKS INDUSTRIES

CONTAINMENT SIGN-IN & SIGN-OUT SHEET Job Name: AP-74 Job #: 18-328

Date:

12-19-18

NAME	SIGN-IN	SIGN-OUT	SIGN-IN	SIGN-OUT
1. Martha Nahle				
2. Alor Hautnes Coul.	7:30	9:30		
3. Delsy Arellanos	7:30	9:30		-
4. Deppis Mesta		9:36		
5. Iriun island	7:30	9:30		
Eufiquio Dominger	7:30	9:30		
9. Kaura Duran	7:30	9:30		
8.	•			
9.				
10.				
11.				
12.				
13.				
14.				
15.				_
16.			-	1
17.				
18.			-	
19.				
20.				

JKSINDUSTRIES.NET



13. Daily Logs

JKS IDUSTRIES LLC DAILY PROJECT LOG Job Name: ________ Day _______ Monday____ Month_____ Job # 18-328Date 12-17-15Report # Year Month Superintendent Project Manager 28 Weather: Work Performed Today Temp. Hi <u>42° Low 35°</u> should me On Dam, Crew NU MIN ON NIZIC Safety Meeting 20x1nel Topic: PIE . Have tool ind street Work Force Number f. the Nue. 100 Ciew 20 **Project Manager** 0 00 **Project Supervisor** Operators 29 On waitme Laborers 6 Chee 00m Tradesmen 15 Other: MOVE Other: 00 NON Other: Quantity Materials Used (ONe NO 2 Ó one 0 P.m 5 0 V2 CIL secondenes ane Dac 2:3 genera Ono Vove 0 Material Purchased/Delivered 0 0 0 no Problems - Delays, Safety Issues Subcontractor Progress Inspections Hours Insp Chklist Complete? Equipment **Rented From** Equipment Rented Today Activity Onsite Visitors (Incl. Subs, Clients, etc). Time In/Time Out P D

Job # <u>AP-74</u> Date <u>12-18-18</u> Report # Superintendent **Project Manager** 43 Weather: Work Performed Today 7:00 am Crew on time , SIG IN ON tablet and 0 Low 380 Temp. Hi Safe meetingo Safety Meeting and contine Topic: RPE Work Force Number Continse w. and 7:35 am **Project Manager** na 74 **Project Supervisor** ents emound Jano Operators Laborers 3 Tradesmen Contine crew f10 othe 7:40 are cleaned Other: ORAINO Other: P-7 Other: Quantity Materials Used 12:00 unch cine came 240 00 p.m. 0:30 continue oan 12:30 Cinish and no ca P-Material Purchased/Delivered Problems - Delays, Safety Issues Subcontractor Progress Inspections Hours Rented From Insp Chklist Complete? Equipment Equipment Rented Today 0 Time In/Time Out Activity Onsite Visitors (Incl. Subs, Clients, etc).

JKS IDUSTRIES LLC DAILY PROJECT LOG Job Name: AP-74 Job # <u>18-32</u> Date <u>12-19-1</u> Job Name: ____ Report # Day Staday lend Month Year **Project Manager** Superintendent Weather: 44 Work Performed Today Temp. Hi<u>51[°] Low 25</u>° ime (inew) 50 7:00 a.m. Safety Meeting Topic: PEE Work Force Number Project Manager **Project Supervisor** 1 35 arm. 0 neche 0 Operators even and nc CIMO Laborers 3 o over 100 and Tradesmen Other: Other: Other: Nasser :30 AMS SUG Quantity Materials Used ego pmen reac his 1-83 yua 1 NO rosces 09 M SOV Material Purchased/Delivered 12 100 can redu 2230 ang NO 6.00 200 Problems - Delays, Safety Issues Subcontractor Progress ÷ Inspections Zassed VISUGI N. novences and Equipment Rented Today **Rented From** Insp Chklist Complete? Equipment Hours Δ Visitors (Incl. Subs, Clients, etc). Time In/Time Out Activity Onsite

Job # AR-83 J	KS IDUSTRIES LLC I ob Name: Yth Jay thur	DAILY PROJECT LO	Report #	1
Project Manager	, 	Su	perintendent Marth	Wehl
Nork Performed Today			Weather: 22°	
		N.	2000	0
7:00 u.m. Crew sho	we up con	fime	Temp. Hi 35 Low 2	~
SIG IN, OM	- tablet a	and , book	Safety Meeting	
hade speperty	meeting	and	Topic: PE	the second second
streen - J				umber
			Project Manager	1
and a local		c 1	Project Supervisor Operators	1
7:40 a.m. Got read	y to tea	e material	Laborers	3
pll-83 and	move all the	nex + place	Tradesmen	-
an equipment	to the	Nex 7 grace	Other:	
			Other:	
			Other:	
10:00 a.m. Move to 1	AP-74 to a	nove all	Materials Used	Quantity
the materia		and from		1
	he box th	ck and		
CLOUND IN	to tok the			NA
Creat of		1	NP	7-
12:00 p.m. 60 to 10	inch and c	one back		
12:30 p.v				_
			Material Purchased/D	elivered
12:20 p.m. Tear J	OWN AP.	-73 and		
more all the	equipmen	tandi		_
material	to new	Jobsite	NA	
	111			
2:00 f.m. drain al	I the was	adow ?.		
Problems - Delays, Safety Issues	6			
16				
tet.				
Subcontractor Progress				
Subcontractor Progress				
Inspections				
l				
ille				
bh				
Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hours
			1	
	IL			11
A L	All P	1/4	NI.	MF
112	M	101	V V	M
Visitors (Incl. Subs, Clients, etc).	Time In/Time Out	Activity Onsite		
	11			_
Alt	11P	21/2		
PH	- MI.	DI		
	L. L.			

Date: 1-3-19 Project Name: Ap 74 Project NO: 18-329 Supervisor: Mario Fer Mostlo

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
lark Reliev	MR	JRS	7:00 AM	3:00 PM			
Juan Barraco	JB	JRS	7.00 +44	3:00 PM			
Mark Kelley Juan Barrado Mario Permosil	o MA	JKS		1:00 PM			
				-			
							_
							_
						TOTAL	

Date :	1-4-69
Project Name:	APTY
Project NO:	.18328
Supervisor:	Mario HerMosillo

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Maik Kelley	MK	JRS	7:00 AM	5:30 PM			
Juan 2 Bina	28	JRS	7:00 AM	5:30 PM			
Marvel A	M.A	CHacon	7:30				
Masore CHACR	a.h.c.k	CHACON	0.00				
					-		
			_				
					_		
						ΤΟΤΑΙ	

TOTAL

Project Name: AC	74		
riojoornamor orig			
Project NO: 18-	328	1	11
Supervisor:	Tario	Hermosi	10

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
NAME Park Kelley	MR	JKS	7:00 AM	4:00 PM			
			-				
			-				
					_		
						,	
			_				
			_				
	-						
						TOTAL	