Appendix A – Laboratory Reports

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 041821305
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.13 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/16/2018 4:45 PM
Analysis Date: 07/17/2018 - 07/18/2018
Collected Date: 07/13/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80713-OFD-PMT-01	WP083A AM Dan Beebe Trail	1937.70	0.2060	2	Actinolite	1	1	0.0010	**9.70**	**0.0019**
041821305-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80713-OFD-PMT-02	WP249 AM Canyon Drive	1937.70	0.2100	1	Actinolite	1	1	0.0009	**9.50**	**0.0019**
041821305-0002										
80713-OFD-PMT-03	WP084A AM SE Upper Overlook	1920.70	0.2100	2	None Detected			0.0010	**<4.80**	**<0.0010**
041821305-0003										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80713-OFD-PMT-04	WP246 AM Intake Yard	1912.60	0.0000	0	Overloaded					
041821305-0004										
Particulate loading greater than 25%										
80713-OFD-PMT-05	WP083A PM Dan Beebe Trail	1951.20	0.2100	3	None Detected			0.0009	**<4.80**	**<0.0009**
041821305-0005										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80713-OFD-PMT-06	WP249 PM Canyon Drive	1956.60	0.2100	1	None Detected			0.0009	**<4.80**	**<0.0009**
041821305-0006										
80713-OFD-PMT-07	WP084A PM SE Upper Overlook	1936.80	0.2100	1	None Detected			0.0009	**<4.80**	**<0.0010**
041821305-0007										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80713-OFD-PMT-08	WP246 PM Intake Yard	1946.70	0.2100	2	Chrysotile	1	0	0.0009	**4.80**	**0.00094**
041821305-0008										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80713-OFD-PMT-FB1	Field Blank 1	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
041821305-0009										
80713-OFD-PMT-FB2	Field Blank 2	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
041821305-0010										

Initial Report From: 07/18/2018 18:07:27

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 041821305
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.13 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/16/2018 4:45 PM
Analysis Date: 07/17/2018 - 07/18/2018
Collected Date: 07/13/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
Matthew Dare (9)

Benjamin Ellis, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by 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 to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. Samples received in good condition unless otherwise noted. The test results meet the requirements of NELAC unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ

Initial Report From: 07/18/2018 18:07:27

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 041821308
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.13 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/16/2018 4:45 PM
Analysis Date: 07/17/2018 - 07/18/2018
Collected Date: 07/13/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80713-OFD-TPT-01	WP278 AM N. Diversion Dam	1939.50	0.2100	0	Actinolite	1	1	0.0009	9.50	0.0019
					Chrysotile	0	1		4.80	0.00095
041821308-0001					**Total for all types.....**				**14.30**	**0.0029**
80713-OFD-TPT-02	WP019A AM E. Diversion Dam	1931.40	0.2100	1	None Detected			0.0010	**<4.80**	**<0.0010**
041821308-0002										
80713-OFD-TPT-03	WP020A AM SE Canal	1926.00	0.2100	3	None Detected			0.0010	**<4.80**	**<0.0010**
041821308-0003										
80713-OFD-TPT-04	WP281 AM Cherokee Rd.	1934.10	0.2100	1	None Detected			0.0010	**<4.80**	**<0.0010**
041821308-0004										
80713-OFD-TPT-05	WP278 PM N. Diversion Dam	1948.50	0.2100	1	None Detected			0.0009	**<4.80**	**<0.0009**
041821308-0005										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80713-OFD-TPT-06	WP019A PM E. Diversion Dam	1946.70	0.2100	0	None Detected			0.0009	**<4.80**	**<0.0009**
041821308-0006										
80713-OFD-TPT-07	WP020A PM SE Canal	1951.20	0.2100	1	None Detected			0.0009	**<4.80**	**<0.0009**
041821308-0007										
80713-OFD-TPT-08	WP281 PM Cherokee Rd.	1934.90	0.2100	1	None Detected			0.0009	**<4.80**	**<0.0010**
041821308-0008										
80713-OFD-TPT-FB1	Field Blank 1	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
041821308-0009										
80713-OFD-TPT-FB2	Field Blank 2	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
041821308-0010										

Initial Report From: 07/18/2018 14:09:59

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 041821308
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.13 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/16/2018 4:45 PM
Analysis Date: 07/17/2018 - 07/18/2018
Collected Date: 07/13/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
Matthew Dare (6)
William Nguyen (4)

Benjamin Ellis, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by 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 to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. Samples received in good condition unless otherwise noted. The test results meet the requirements of NELAC unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ

Initial Report From: 07/18/2018 14:09:59

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 041821303
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.13 Burma Road (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/16/2018 4:45 PM
Analysis Date: 07/18/2018 - 07/20/2018
Collected Date: 07/13/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80713-OFD-BPT-01 *041821303-0001*	WP017A AM Burma Road 01	1930.50	0.2080	3	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80713-OFD-BPT-02 *041821303-0002*	WP082A AM Burma Road 02	1933.20	0.2080	2	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80713-OFD-BPT-03 *041821303-0003*	WP037A AM Burma Road 03	1945.80	0.2080	2	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80713-OFD-BPT-04 *041821303-0004*	WP017A PM Burma Road 01	1943.10	0.2080	0	None Detected			0.0010	**<4.80**	**<0.0010**
80713-OFD-BPT-05 *041821303-0005*	WP082A PM Burma Road 02	1938.60	0.2080	2	None Detected			0.0010	**<4.80**	**<0.0010**
80713-OFD-BPT-06 *041821303-0006*	WP037A AM Burma Road 03	1944.00	0.2080	2	Actinolite	0	1	0.0010	**4.80**	**0.00095**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80713-OFD-BPT-FB1 *041821303-0007*	Field Blank 1	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
80713-OFD-BPT-FB2 *041821303-0008*	Field Blank 2	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**

Analyst(s)
Matthew Dare (5)
William Nguyen (3)

Benjamin Ellis, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by 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 to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. Samples received in good condition unless otherwise noted. The test results meet the requirements of NELAC unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ

Initial Report From: 07/20/2018 10:00:59

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 041821311
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.13 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/16/2018 4:45 PM
Analysis Date: 07/19/2018
Collected Date: 07/13/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80713-OFD-LRP-01 *041821311-0001*	WP009A AM Launch Ramp Parking	1917.00	0.2100	1	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80713-OFD-LRP-02 *041821311-0002*	WP081A AM Launch Ramp Turnaround	1924.10	0.2100	1	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80713-OFD-LRP-03 *041821311-0003*	WP009A PM Launch Ramp Parking	1959.30	0.1970	0	None Detected			0.0010	**<5.10**	**<0.0010**
80713-OFD-LRP-04 *041821311-0004*	WP081A PM Launch Ramp Turnaround	1959.30	0.1970	0	None Detected			0.0010	**<5.10**	**<0.0010**
80713-OFD-LRP-FB1 *041821311-0005*	Field Blank 1	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
80713-OFD-LRP-FB2 *041821311-0006*	Field Blank 2	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**

Analyst(s)
William Nguyen (6)

Benjamin Ellis, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ

Initial Report From: 07/19/2018 13:44:02

EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

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

EMSL Order: 091815431
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.14 UPPER AREA (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/15/2018 3:15 PM
Analysis Date: 07/19/2018
Collected Date: 07/14/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80714-OFD-PMT-01 *091815431-0001*	WP083A AM DAN BEEBE TRAIL	1934.10	0.2110	1	None Detected			0.0009	**<4.70**	**<0.0009**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80714-OFD-PMT-02 *091815431-0002*	WP249 AM CANYON DRIVE	1924.20	0.2110	0	None Detected			0.0009	**<4.70**	**<0.0010**
80714-OFD-PMT-03 *091815431-0003*	WP084A AM SE UPPER OVERLOOK	1909.90	0.2110	0	None Detected			0.0010	**<4.70**	**<0.0010**
80714-OFD-PMT-04 *091815431-0004*	WP246 AM INTAKE YARD	1934.10	0.2110	0	None Detected			0.0009	**<4.70**	**<0.0009**
80714-OFD-PMT-05 *091815431-0005*	WP083A PM DAN BEEBE TRAIL	1951.20	0.1980	0	None Detected			0.0010	**<5.00**	**<0.0010**
80714-OFD-PMT-06 *091815431-0006*	WP249 PM CANYON DRIVE	1965.60	0.1980	0	None Detected			0.0010	**<5.00**	**<0.0010**
80714-OFD-PMT-07 *091815431-0007*	WP084A PM SE UPPER OVERLOOK	1968.30	0.1980	1	None Detected			0.0010	**<5.00**	**<0.0010**
80714-OFD-PMT-08 *091815431-0008*	WP246 PM INTAKE YARD	1961.10	0.1980	0	None Detected			0.0010	**<5.00**	**<0.0010**
80714-OFD-PMT-FB1 *091815431-0009*	FIELD BLANK 1	0.00	0.1240	0	None Detected			N/A	**<8.10**	**N/A**
80714-OFD-PMT-FB2 *091815431-0010*	FIELD BLANK 2	0.00	0.1240	0	None Detected			N/A	**<8.10**	**N/A**

Initial Report From: 07/19/2018 19:20:06

EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

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

EMSL Order:	091815431
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH Safety Management Systems 1001 Brad Freeman Trail Trailer #2 / Safety Mgmt Systems Oroville, CA 95965	**Phone:**	(661) 699-9375
		Fax:	
		Received Date:	7/15/2018 3:15 PM
		Analysis Date:	07/19/2018
		Collected Date:	07/14/2018
Project:	2018.07.14 UPPER AREA (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Matthew Batongbacal (10)

Matthew Batongbacal
or other approved signatory

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 data reported that relies on information provided by the client, sample collection activities, or analytical method limitations. EMSL maintains liability limited to the cost of analysis. Interpretation and use of test results are the responsibility of the client. All samples were received in acceptable condition unless otherwise noted. The analyses above were performed with a 25% overload criteria as per EPA 40 CFR Part 763 Subpart E. A 10% overload criteria can be applied at client's request.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA

Initial Report From: 07/19/2018 19:20:06

EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

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

EMSL Order: 091815433
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.14 DIVERSION DAM (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/15/2018 3:15 PM
Analysis Date: 07/18/2018 - 07/19/2018
Collected Date: 07/14/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80714-OFD-TPT-01 *091815433-0001*	WP278 AM N. DIVERSION DAM	1926.00	0.2110	2	None Detected			0.0009	**<4.70**	**<0.0010**
80714-OFD-TPT-02 *091815433-0002*	WP019A AM E. DIVERSION DAM	1928.70	0.2110	0	None Detected			0.0009	**<4.70**	**<0.0010**
80714-OFD-TPT-03 *091815433-0003*	WP020A AM SE CANAL	1941.30	0.1980	0	None Detected			0.0010	**<5.00**	**<0.0010**
80714-OFD-TPT-04 *091815433-0004*	WP281 AM CHEROKEE RD.	1948.50	0.1980	0	None Detected			0.0010	**<5.00**	**<0.0010**
80714-OFD-TPT-05 *091815433-0005*	WP278 PM N. DIVERSION DAM	1951.20	0.1980	0	None Detected			0.0010	**<5.00**	**<0.0010**
80714-OFD-TPT-06 *091815433-0006*	WP019A PM E. DIVERSION DAM	1948.50	0.1980	1	None Detected			0.0010	**<5.00**	**<0.0010**
80714-OFD-TPT-07 *091815433-0007*	WP020A PM SE CANAL	1948.50	0.1980	1	None Detected			0.0010	**<5.00**	**<0.0010**
80714-OFD-TPT-08 *091815433-0008*	WP281 PM CHEROKEE RD.	1941.30	0.1980	0	None Detected			0.0010	**<5.00**	**<0.0010**
80714-OFD-TPT-FB1 *091815433-0009*	FIELD BLANK 1	0.00	0.1240	0	None Detected			N/A	**<8.10**	**N/A**
80714-OFD-TPT-FB2 *091815433-0010*	FIELD BLANK 2	0.00	0.1240	0	None Detected			N/A	**<8.10**	**N/A**

Initial Report From: 07/19/2018 19:13:17

EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

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

EMSL Order:	091815433
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH Safety Management Systems 1001 Brad Freeman Trail Trailer #2 / Safety Mgmt Systems Oroville, CA 95965	**Phone:**	(661) 699-9375
		Fax:	
		Received Date:	7/15/2018 3:15 PM
		Analysis Date:	07/18/2018 - 07/19/2018
		Collected Date:	07/14/2018
Project:	2018.07.14 DIVERSION DAM (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Matthew Batongbacal (10)

Matthew Batongbacal
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc San Leandro, CA

Initial Report From: 07/19/2018 19:13:17

EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

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

EMSL Order: 091815432
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.14 BURMA RD (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/15/2018 3:15 PM
Analysis Date: 07/17/2018 - 07/18/2018
Collected Date: 07/14/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80714-OFD-BPT-01 *091815432-0001*	WP017A AM BURMA ROAD 01	1942.20	0.1980	0	None Detected			0.0010	**<5.00**	**<0.0010**
80714-OFD-BPT-02 *091815432-0002*	WP082A AM BURMA ROAD 02	1953.90	0.1980	0	None Detected			0.0010	**<5.00**	**<0.0010**
80714-OFD-BPT-03 *091815432-0003*	WP037A AM BURMA ROAD 03	1926.80	0.2110	0	None Detected			0.0009	**<4.70**	**<0.0010**
80714-OFD-BPT-04 *091815432-0004*	WP017A PM BURMA ROAD 01	1946.70	0.1980	0	None Detected			0.0010	**<5.00**	**<0.0010**
80714-OFD-BPT-05 *091815432-0005*	WP082A PM BURMA ROAD 02	1946.70	0.1980	3	None Detected			0.0010	**<5.00**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80714-OFD-BPT-06 *091815432-0006*	WP037A PM BURMA ROAD 03	1934.10	0.2110	0	None Detected			0.0009	**<4.70**	**<0.0009**
80714-OFD-BPT-FB1 *091815432-0007*	FIELD BLANK 1	0.00	0.1240	0	None Detected			N/A	**<8.10**	**N/A**
80714-OFD-BPT-FB2 *091815432-0008*	FIELD BLANK 2	0.00	0.1240	0	None Detected			N/A	**<8.10**	**N/A**

Analyst(s)
Matthew Batongbacal (8)

Matthew Batongbacal
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc San Leandro, CA

Initial Report From: 07/19/2018 19:15:36

EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

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

EMSL Order: 091815430
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.14 LAUNCH RAMP (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/15/2018 3:15 PM
Analysis Date: 07/17/2018 - 07/18/2018
Collected Date: 07/14/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80714-OFD-LRP-01 *091815430-0001*	WP009A AM LAUNCH RAMP PARKING	1923.30	0.2110	1	None Detected			0.0010	**<4.70**	**<0.0010**
80714-OFD-LRP-02 *091815430-0002*	WP081A AM LAUNCH RAMP TURNAROUND	1931.40	0.2110	0	None Detected			0.0009	**<4.70**	**<0.0010**
80714-OFD-LRP-03 *091815430-0003*	WP009A PM LAUNCH RAMP PARKING	1966.60	0.1980	0	None Detected			0.0010	**<5.00**	**<0.0010**
80714-OFD-LRP-04 *091815430-0004*	WP081A PM LAUNCH RAMP TURNAROUND	1958.40	0.1980	0	None Detected			0.0010	**<5.00**	**<0.0010**
80714-OFD-LRP-FB1 *091815430-0005*	FIELD BLANK 1	0.00	0.1240	0	None Detected			N/A	**<8.10**	**N/A**
80714-OFD-LRP-FB2 *091815430-0006*	FIELD BLANK 2	0.00	0.1240	0	None Detected			N/A	**<8.10**	**N/A**

Analyst(s)
Matthew Batongbacal (6)

Matthew Batongbacal
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc San Leandro, CA

Initial Report From: 07/19/2018 19:10:45

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 331814421
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.15 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/17/2018 10:35 AM
Analysis Date: 07/20/2018 - 07/23/2018
Collected Date: 07/15/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80715-OFD-PMT-01 *331814421-0001*	WP083A AM DAN BEEBE TRAIL	1918.90	0.2050	2	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80715-OFD-PMT-02 *331814421-0002*	WP249 AM CANYON DRIVE	1918.90	0.2050	1	None Detected			0.0010	**<4.90**	**<0.0010**
80715-OFD-PMT-03 *331814421-0003*	WP084A AM SE UPPER OVERLOOK	1917.10	0.2050	2	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80715-OFD-PMT-04 *331814421-0004*	WP246 AM INTAKE YARD	1933.20	0.2050	0	None Detected			0.0010	**<4.90**	**<0.0010**
80715-OFD-PMT-05 *331814421-0005*	WP083A PM DAN BEEBE TRAIL	1966.60	0.2050	1	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80715-OFD-PMT-06 *331814421-0006*	WP249 PM CANYON DRIVE	1969.30	0.2050	0	None Detected			0.0010	**<4.90**	**<0.0010**
80715-OFD-PMT-07 *331814421-0007*	WP084A PM SE UPPER OVERLOOK	1966.60	0.2050	1	None Detected			0.0010	**<4.90**	**<0.0010**
80715-OFD-PMT-08 *331814421-0008*	WP246 PM INTAKE YARD	1952.10	0.2050	1	None Detected			0.0010	**<4.90**	**<0.0010**
80715-OFD-PMT-FB1 *331814421-0009*	Field Blank 1	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
80715-OFD-PMT-FB2 *331814421-0010*	Field Blank 2	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**

Initial Report From: 07/23/2018 17:55:03

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order:	331814421
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle	**Phone:**	(661) 699-9375
	Safety Management Systems	**Fax:**	
	1001 Brad Freeman Trail	**Received Date:**	7/17/2018 10:35 AM
	Trailer #2 / Safety Mgmt Systems	**Analysis Date:**	07/20/2018 - 07/23/2018
	Oroville, CA 95965	**Collected Date:**	07/15/2018
Project:	2018.07.15 Upper Area (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Jeffrey Deboo (2)

Larry Kolk (8)

Michael DeCavallas, Laboratory Manager
or other approved signatory

LA Testing is not responsible for data reported in structures /cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above and may not be reproduced except in full, without written approval by LA Testing . This test report must not be used to claim product endorsement by NVLAP or any agency of the U .S. Government. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Sample received in acceptable condition unless otherwise noted.Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by LA Testing Huntington Beach, CA

Initial Report From: 07/23/2018 17:55:03

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321816192
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.15 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/17/2018 9:35 AM
Analysis Date: 07/18/2018 - 07/19/2018
Collected Date: 07/15/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80715-OFD-TPT-01 *321816192-0001*	WP278 AM N Diversion Dam	1939.50	0.2080	6	Actinolite	1	0	0.0010	**4.80**	**0.00095**
80715-OFD-TPT-02 *321816192-0002*	WP019A AM E Diversion Dam	1944.90	0.2080	4	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80715-OFD-TPT-03 *321816192-0003*	WP020A AM SE Canal	1960.20	0.2080	1	None Detected			0.0009	**<4.80**	**<0.0009**
80715-OFD-TPT-04 *321816192-0004*	WP281 AM Cherokee Rd	1981.00	0.1950	5	Tremolite	1	0	0.0010	**5.10**	**0.0010**
80715-OFD-TPT-05 *321816192-0005*	WP278 PM N Diversion Dam	1925.10	0.2080	4	None Detected			0.0010	**<4.80**	**<0.0010**
80715-OFD-TPT-06 *321816192-0006*	WP019A PM E Diversion Dam	1948.50	0.2080	4	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80715-OFD-TPT-07 *321816192-0007*	WP020A PM SE Canal	1938.60	0.2080	3	None Detected			0.0010	**<4.80**	**<0.0010**
80715-OFD-TPT-08 *321816192-0008*	WP281 PM Cherokee Rd	1927.80	0.2080	4	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80715-OFD-TPT-FB1 *321816192-0009*	Field blank 1	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
80715-OFD-TPT-FB2 *321816192-0010*	Field blank 2	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**

Initial Report From: 07/19/2018 13:23:09

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order:	321816192
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH	**Phone:**	(661) 699-9375
	Safety Management Systems	**Fax:**	
	1001 Brad Freeman Trail	**Received Date:**	7/17/2018 9:35 AM
	Trailer #2 / Safety Mgmt Systems	**Analysis Date:**	07/18/2018 - 07/19/2018
	Oroville, CA 95965	**Collected Date:**	07/15/2018
Project:	2018.07.15 Diversion Dam (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Feng Liang (4)

Kyeong Corbin (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA

Initial Report From: 07/19/2018 13:23:09

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 331814422
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.15 Burma Rd (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/17/2018 10:35 AM
Analysis Date: 07/18/2018
Collected Date: 07/15/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80715-OFD-BPT-01 *331814422-0001*	WP017A AM Burma Road 01	1960.20	0.2030	2	Actinolite	0	1	0.0010	**4.90**	**0.00097**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80715-OFD-BPT-02 *331814422-0002*	WP082A AM Burma Road 02	1954.80	0.2030	1	None Detected			0.0010	**<4.90**	**<0.0010**
80715-OFD-BPT-03 *331814422-0003*	WP037A AM Burma Road 03	1934.10	0.2030	2	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80715-OFD-BPT-04 *331814422-0004*	WP017A PM Burma Road 01	1913.30	0.2030	2	None Detected			0.0010	**<4.90**	**<0.0010**
80715-OFD-BPT-05 *331814422-0005*	WP082A PM Burma Road 02	1926.80	0.2030	4	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80715-OFD-BPT-06 *331814422-0006*	WP037A PM Burma Road 03	1948.50	0.2030	5	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80715-OFD-BPT-FB1 *331814422-0007*	Field Blank 1	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**
80715-OFD-BPT-FB2 *331814422-0008*	Field Blank 2	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**

Analyst(s)
Larry Kolk (8)

Michael DeCavallas, Laboratory Manager
or other approved signatory

LA Testing is not responsible for data reported in structures /cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above and may not be reproduced except in full, without written approval by LA Testing . This test report must not be used to claim product endorsement by NVLAP or any agency of the U .S. Government. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Sample received in acceptable condition unless otherwise noted.Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by LA Testing Huntington Beach, CA

Initial Report From: 07/18/2018 22:19:17

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321816209
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.15 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/17/2018 9:35 AM
Analysis Date: 07/17/2018
Collected Date: 07/15/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80715-OFD-LRP-01 *321816209-0001*	WP009A AM Launch Ramp Parking	1921.60	0.2080	14	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80715-OFD-LRP-02 *321816209-0002*	WP081A AM Launch Ramp Turnaround	1931.40	0.2080	6	None Detected			0.0010	**<4.80**	**<0.0010**
80715-OFD-LRP-03 *321816209-0003*	WP009A PM Launch Ramp Parking	1946.70	0.2080	18	None Detected			0.0010	**<4.80**	**<0.0010**
80715-OFD-LRP-04 *321816209-0004*	WP081A PM Launch Ramp Turnaround	1953.90	0.2080	5	None Detected			0.0009	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80715-OFD-LRP-FB1 *321816209-0005*	Field blank 1	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
80715-OFD-LRP-FB2 *321816209-0006*	Field blank 2	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**

Analyst(s)
Feng Liang (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA

Initial Report From: 07/18/2018 07:04:30

EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

http://www.EMSL.com / rochesterlab@EMSL.com

EMSL Order: 531800143
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.16 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/18/2018 11:51 AM
Analysis Date: 07/20/2018
Collected Date: 07/16/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80716-OFD-PMT-01 *531800143-0001*	WP083A AM DAN BEEBE TRAIL	1930.50	0.2100	1	None Detected			0.0010	**<4.80**	**<0.0010**
80716-OFD-PMT-02 *531800143-0002*	WP249 AM CANYON DRIVE	1916.20	0.2100	3	None Detected			0.0010	**<4.80**	**<0.0010**
80716-OFD-PMT-03 *531800143-0003*	WP084A AM SE UPPER OVERLOOK	1935.90	0.2100	1	None Detected			0.0009	**<4.80**	**<0.0010**
80716-OFD-PMT-04 *531800143-0004*	WP246 AM INTAKE YARD	1933.20	0.2100	1	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80716-OFD-PMT-05 *531800143-0005*	WP083A PM DAN BEEBE TRAIL	1961.10	0.1970	2	None Detected			0.0010	**<5.10**	**<0.0010**
80716-OFD-PMT-06 *531800143-0006*	WP249 PM CANYON DRIVE	1963.80	0.1970	1	None Detected			0.0010	**<5.10**	**<0.0010**
80716-OFD-PMT-07 *531800143-0007*	WP084A PM SE Upper Overlook	1968.30	0.1970	0	None Detected			0.0010	**<5.10**	**<0.0010**
80716-OFD-PMT-08 *531800143-0008*	WP246 PM INTAKE YARD	1944.00	0.2100	1	None Detected			0.0009	**<4.80**	**<0.0010**
80716-OFD-PMT-FB1 *531800143-0009*	Field Blank 1	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
80716-OFD-PMT-FB2 *531800143-0010*	Field Blank 2	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**

Initial report from: 07/20/2018 16:51:38

EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

http://www.EMSL.com / rochesterlab@EMSL.com

EMSL Order:	531800143
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH	**Phone:**	(661) 699-9375
	Safety Management Systems	**Fax:**	
	1001 Brad Freeman Trail	**Received Date:**	7/18/2018 11:51 AM
	Trailer #2 / Safety Mgmt Systems	**Analysis Date:**	07/20/2018
	Oroville, CA 95965	**Collected Date:**	07/16/2018
Project:	2018.07.16 Upper Area (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Peter Donato (10)

Peter Donato Asbestos Laboratory Manager
or other approved signatory

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 data reported that relies on information provided by the client, sample collection activities, or analytical method limitations. EMSL maintains liability limited to the cost of analysis. Interpretation and use of test results are the responsibility of the client. All samples were received in acceptable condition unless otherwise noted. The analyses above were performed with a 25% overload criteria as per EPA 40 CFR Part 763 Subpart E. A 10% overload criteria can be applied at client's request.

Samples analyzed by EMSL Analytical, Inc. Rochester, NY

Initial report from: 07/20/2018 16:51:38

EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

http://www.EMSL.com / rochesterlab@EMSL.com

EMSL Order: 531800144
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.16 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/18/2018 12:02 PM
Analysis Date: 07/20/2018 - 07/23/2018
Collected Date: 07/16/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80716-OFD-TPT-01 *531800144-0001*	WP278 AM N. Diversion Dam	1950.30	0.2100	0	None Detected			0.0009	**<4.80**	**<0.0009**
80716-OFD-TPT-02 *531800144-0002*	WP019A AM E. Diversin Dam	1946.70	0.2100	0	None Detected			0.0009	**<4.80**	**<0.0009**
80716-OFD-TPT-03 *531800144-0003*	WP020A AM SE Canal	1948.50	0.2100	2	None Detected			0.0009	**<4.80**	**<0.0009**
80716-OFD-TPT-04 *531800144-0004*	WP281 AM Cherokee Rd.	1934.10	0.2100	0	None Detected			0.0010	**<4.80**	**<0.0010**
80716-OFD-TPT-05 *531800144-0005*	WP278 PM N. Diversion Dam	1953.00	0.2100	0	None Detected			0.0009	**<4.80**	**<0.0009**
80716-OFD-TPT-06 *531800144-0006*	WP019A PM E. Diversion Dam	1948.50	0.2100	0	None Detected			0.0009	**<4.80**	**<0.0009**
80716-OFD-TPT-07 *531800144-0007*	WP020A PM SE Canal	1951.20	0.2100	1	None Detected			0.0009	**<4.80**	**<0.0009**
80716-OFD-TPT-08 *531800144-0008*	WP281 PM Cherokee Rd.	1951.20	0.2100	0	None Detected			0.0009	**<4.80**	**<0.0009**
80716-OFD-TPT-FB1 *531800144-0009*	Field Blank 1	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
80716-OFD-TPT-FB2 *531800144-0010*	Field Blank 2	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**

Initial Report From: 07/23/2018 15:15:58

EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

http://www.EMSL.com / rochesterlab@EMSL.com

EMSL Order:	531800144
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH Safety Management Systems 1001 Brad Freeman Trail Trailer #2 / Safety Mgmt Systems Oroville, CA 95965	**Phone:**	(661) 699-9375
		Fax:	
		Received Date:	7/18/2018 12:02 PM
		Analysis Date:	07/20/2018 - 07/23/2018
		Collected Date:	07/16/2018
Project:	2018.07.16 Diversion Dam (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Peter Donato (10)

Peter Donato Asbestos Laboratory Manager
or other approved signatory

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 data reported that relies on information provided by the client, sample collection activities, or analytical method limitations. EMSL maintains liability limited to the cost of analysis. Interpretation and use of test results are the responsibility of the client. All samples were received in acceptable condition unless otherwise noted. The analyses above were performed with a 25% overload criteria as per EPA 40 CFR Part 763 Subpart E. A 10% overload criteria can be applied at client's request.

Samples analyzed by EMSL Analytical, Inc. Rochester, NY

Initial Report From: 07/23/2018 15:15:58

EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

http://www.EMSL.com / rochesterlab@EMSL.com

EMSL Order: 531800142
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.16 Burma Rd (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/18/2018 11:33 AM
Analysis Date: 07/19/2018 - 07/20/2018
Collected Date: 07/16/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80716-OFD-BPT-01 *531800142-0001*	WP017A AM Burma Road 01	1930.40	0.2100	1	None Detected			0.0010	**<4.80**	**<0.0010**
80716-OFD-BPT-02 *531800142-0002*	WP082A AM Burma Road 02	1959.30	0.1970	1	None Detected			0.0010	**<5.10**	**<0.0010**
80716-OFD-BPT-03 *531800142-0003*	WP037A AM Burma Road 03	1919.70	0.2100	1	None Detected			0.0010	**<4.80**	**<0.0010**
80716-OFD-BPT-04 *531800142-0004*	WP017A PM Burma Road 01	1944.80	0.2100	3	None Detected			0.0009	**<4.80**	**<0.0009**
80716-OFD-BPT-05 *531800142-0005*	WP082A PM Burma Road 02	1944.80	0.2100	1	None Detected			0.0009	**<4.80**	**<0.0009**
80716-OFD-BPT-06 *531800142-0006*	WP037A PM Burma Road 03	1948.50	0.2100	4	None Detected			0.0009	**<4.80**	**<0.0009**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80716-OFD-BPT-FB1 *531800142-0007*	Field Blank 1	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
80716-OFD-BPT-FB2 *531800142-0008*	Field Blank 2	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**

Analyst(s)
Peter Donato (8)

Peter Donato Asbestos Laboratory Manager
or other approved signatory

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 data reported that relies on information provided by the client, sample collection activities, or analytical method limitations. EMSL maintains liability limited to the cost of analysis. Interpretation and use of test results are the responsibility of the client. All samples were received in acceptable condition unless otherwise noted. The analyses above were performed with a 25% overload criteria as per EPA 40 CFR Part 763 Subpart E. A 10% overload criteria can be applied at client's request.

Samples analyzed by EMSL Analytical, Inc. Rochester, NY

Initial report from: 07/20/2018 12:43:20

EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

http://www.EMSL.com / rochesterlab@EMSL.com

EMSL Order: 531800141
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.16 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/18/2018 11:24 AM
Analysis Date: 07/19/2018
Collected Date: 07/16/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80716-OFD-LRP-01 *531800141-0001*	WP009A AM Launch Ramp Parking	1931.40	0.2100	1	None Detected			0.0010	**<4.80**	**<0.0010**
80716-OFD-LRP-02 *531800141-0002*	WP081A AM Launch Ramp Turnaround	1933.20	0.2100	0	None Detected			0.0010	**<4.80**	**<0.0010**
80716-OFD-LRP-03 *531800141-0003*	WP009A PM Launch Ramp Parking	1941.30	0.2100	4	None Detected			0.0009	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80716-OFD-LRP-04 *531800141-0004*	WP081A PM Launch Ramp Turnaround	1956.60	0.2100	0	None Detected			0.0009	**<4.80**	**<0.0009**
80716-OFD-LRP-FB1 *531800141-0005*	Field Blank 1	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
80716-OFD-LRP-FB2 *531800141-0006*	Field Blank 2	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**

Analyst(s)
Peter Donato (6)

Peter Donato Asbestos Laboratory Manager
or other approved signatory

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 data reported that relies on information provided by the client, sample collection activities, or analytical method limitations. EMSL maintains liability limited to the cost of analysis. Interpretation and use of test results are the responsibility of the client. All samples were received in acceptable condition unless otherwise noted. The analyses above were performed with a 25% overload criteria as per EPA 40 CFR Part 763 Subpart E. A 10% overload criteria can be applied at client's request.

Samples analyzed by EMSL Analytical, Inc. Rochester, NY

Initial report from: 07/19/2018 15:50:33

EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

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

EMSL Order: 241803715
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.17 UPPER AREA (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/19/2018 9:30 AM
Analysis Date: 07/21/2018
Collected Date: 07/17/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80717-OFD-PMT-01 *241803715-0001*	WP083A AM DAN BEEBE TRAIL	1929.60	0.2060	5	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80717-OFD-PMT-02 *241803715-0002*	WP249 AM CANYON DRIVE	1917.10	0.2060	8	Actinolite	1	0	0.0010	**4.80**	**0.00097**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80717-OFD-PMT-03 *241803715-0003*	WP0874A AM SE UPPER OVERLOOK	1917.10	0.2060	3	Actinolite	4	1	0.0010	**24.00**	**0.0049**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80717-OFD-PMT-04 *241803715-0004*	WP246 AM INTAKE YARD	1938.60	0.2060	5	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80717-OFD-PMT-05 *241803715-0005*	WP038A PM DAN BEEBE TRAIL	1976.50	0.2060	9	Actinolite	3	0	0.0009	**15.00**	**0.0028**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80717-OFD-PMT-06 *241803715-0006*	WP249 PM CANYON DRIVE	1982.00	0.2060	3	None Detected			0.0009	**<4.80**	**<0.0009**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80717-OFD-PMT-07 *241803715-0007*	WP084A PM SE UPPER OVERLOOK	1967.50	0.2060	3	Actinolite	1	0	0.0009	**4.80**	**0.00095**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80717-OFD-PMT-08 *241803715-0008*	WP246 PM INTAKE YARD	1970.20	0.2060	3	None Detected			0.0009	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80717-OFD-PMT-FB1 *241803715-0009*	FIELD BLANK 1	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
80717-OFD-PMT-FB2 *241803715-0010*	FIELD BLANK 2	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**

Initial report from: 07/21/2018 18:58:22

EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

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

EMSL Order:	241803715
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH Safety Management Systems 1001 Brad Freeman Trail Trailer #2 / Safety Mgmt Systems Oroville, CA 95965	**Phone:**	(661) 699-9375
		Fax:	
		Received Date:	7/19/2018 9:30 AM
		Analysis Date:	07/21/2018
		Collected Date:	07/17/2018
Project:	2018.07.17 UPPER AREA (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Lauren Buffone (10)

Lauren Brennan, Asbestos Lab Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT

Initial report from: 07/21/2018 18:58:22

EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

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

EMSL Order: 241803710
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.17 DIVERSION DAM (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/19/2018 9:30 AM
Analysis Date: 07/20/2018 - 07/21/2018
Collected Date: 07/17/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80717-OFD-TPT-01 *241803710-0001*	WP278 AM N. DIVERSION DAM	1926.90	0.2060	3	None Detected			0.0010	**<4.80**	**<0.0010**
80717-OFD-TPT-02 *241803710-0002*	WP019A AM E. DIVERSION DAM	1924.20	0.2320	3	None Detected			0.0009	**<4.30**	**<0.0009**
80717-OFD-TPT-03 *241803710-0003*	WP020A AM SE CANAL	1941.30	0.2060	2	None Detected			0.0010	**<4.80**	**<0.0010**
80717-OFD-TPT-04 *241803710-0004*	WP281 AM CHEROKEE RD.	1953.90	0.2060	4	None Detected			0.0010	**<4.80**	**<0.0010**
80717-OFD-TPT-05 *241803710-0005*	WP278 PM N. DIVERSION DAM	1961.10	0.2060	1	Actinolite	1	1	0.0010	**9.70**	**0.0019**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80717-OFD-TPT-06 *241803710-0006*	WP019A PM DIVERSION DAM	1943.10	0.2060	2	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80717-OFD-TPT-07 *241803710-0007*	WP020A PM SE CANAL	1966.60	0.2060	8	None Detected			0.0009	**<4.80**	**<0.0010**
80717-OFD-TPT-08 *241803710-0008*	WP281 PM CHEROKEE RD.	1941.30	0.2060	4	Actinolite Chrysotile **Total for all types.....**	1 1	1 0	0.0010	9.70 4.80 **14.50**	0.0019 0.00096 **0.0029**
80717-OFD-TPT-FB1 *241803710-0009*	FIELD BLANK 1	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
80717-OFD-TPT-FB2 *241803710-0010*	FIELD BLANK 2	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**

Initial report from: 07/21/2018 11:27:44

EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

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

EMSL Order:	241803710
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH Safety Management Systems 1001 Brad Freeman Trail Trailer #2 / Safety Mgmt Systems Oroville, CA 95965	**Phone:**	(661) 699-9375
		Fax:	
		Received Date:	7/19/2018 9:30 AM
		Analysis Date:	07/20/2018 - 07/21/2018
		Collected Date:	07/17/2018
Project:	2018.07.17 DIVERSION DAM (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Lauren Buffone (10)

Lauren Brennan, Asbestos Lab Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT

Initial report from: 07/21/2018 11:27:44

EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

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

EMSL Order: 241803714
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.17 BURMA RD (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/19/2018 9:30 AM
Analysis Date: 07/20/2018
Collected Date: 07/17/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80717-OFD-BPT-01 *241803714-0001*	WP017A AM BURMA ROAD 01	1932.30	0.2060	2	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80717-OFD-BPT-02 *241803714-0002*	WP082A AM BURMA ROAD 02	1945.80	0.2060	3	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80717-OFD-BPT-03 *241803714-0003*	WP037A AM BURMA ROAD 03	1926.90	0.2060	4	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80717-OFD-BPT-04 *241803714-0004*	WP017A PM BURMA ROAD 01	1961.10	0.2060	3	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80717-OFD-BPT-05 *241803714-0005*	WP082A PM BURMA ROAD 02	1971.10	0.2060	3	None Detected			0.0009	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80717-OFD-BPT-06 *241803714-0006*	WP037A PM BURMA ROAD 03	1941.30	0.2060	3	None Detected			0.0010	**<4.80**	**<0.0010**
80717-OFD-BPT-FB1 *241803714-0007*	FIELD BLANK 1	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
80717-OFD-BPT-FB2 *241803714-0008*	FIELD BLANK 2	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**

Analyst(s)
Lauren Buffone (8)

Lauren Brennan, Asbestos Lab Manager
or other approved signatory

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 data reported that relies on information provided by the client, sample collection activities, or analytical method limitations. EMSL maintains liability limited to the cost of analysis. Interpretation and use of test results are the responsibility of the client. All samples were received in acceptable condition unless otherwise noted. The analyses above were performed with a 25% overload criteria as per EPA 40 CFR Part 763 Subpart E. A 10% overload criteria can be applied at client's request.

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT

Initial report from: 07/20/2018 13:28:16

EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

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

EMSL Order: 241803712
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.17 LAUNCH RAMP (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/19/2018 9:30 AM
Analysis Date: 07/19/2018
Collected Date: 07/17/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80717-OFD-LRP-01 *241803712-0001*	WP009A AM LAUNCH RAMP PARKING	1912.50	0.2060	3	Actinolite	4	0	0.0010	**19.00**	**0.0039**
80717-OFD-LRP-02 *241803712-0002*	WPM081A AM LAUNCH RAMP TURNAROUND	1933.20	0.2060	1	Actinolite	0	2	0.0010	**9.70**	**0.0019**
80717-OFD-LRP-03 *241803712-0003*	WP009A PM LAUNCH RAMP PARKING	1955.60	0.2060	9	Actinolite	3	2	0.0010	**24.00**	**0.0048**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80717-OFD-LRP-04 *241803712-0004*	WP081A PM LAUNCH RAMP TURNAROUND	1967.50	0.2060	2	None Detected			0.0009	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80717-OFD-LRP-FB1 *241803712-0005*	FIELD BLANK 1	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
80717-OFD-LRP-FB2 *241803712-0006*	FIELD BLANK 2	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**

Analyst(s)
Lauren Buffone (6)

Lauren Brennan, Asbestos Lab Manager
or other approved signatory

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 data reported that relies on information provided by the client, sample collection activities, or analytical method limitations. EMSL maintains liability limited to the cost of analysis. Interpretation and use of test results are the responsibility of the client. All samples were received in acceptable condition unless otherwise noted. The analyses above were performed with a 25% overload criteria as per EPA 40 CFR Part 763 Subpart E. A 10% overload criteria can be applied at client's request.

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT

Initial report from: 07/19/2018 17:40:03

EMSL Analytical, Inc.

6325 Harrison Dr. Suites 3 and 4 Las Vegas, NV 89120
Tel/Fax: (702) 931-3532 / (702) 931-3533
http://www.EMSL.com / lasvegaslab@EMSL.com

EMSL Order: 311801015
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.18 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/20/2018 9:15 AM
Analysis Date: 07/24/2018 - 07/26/2018
Collected Date: 07/18/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80718-OFD-PMT-01 *311801015-0001*	WP083A AM Dan Beebe Trail	1918.90	0.2030	5	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80718-OFD-PMT-02 *311801015-0002*	WP249 AM Canyon Drive	1894.80	0.2030	6	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80718-OFD-PMT-03 *311801015-0003*	WP084A AM SE Upper Overlook	1904.60	0.2030	6	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80718-OFD-PMT-04 *311801015-0004*	WP246 AM Intake Yard	1918.90	0.2030	6	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80718-OFD-PMT-05 *311801015-0005*	WP083A PM Dan Beebe Trail	1969.30	0.2030	10	None Detected			0.0010	**<4.90**	**<0.0010**
80718-OFD-PMT-06 *311801015-0006*	WP249 PM Canyon Drive	1966.60	0.2030	1	Actinolite	1	0	0.0010	**4.90**	**0.00096**
80718-OFD-PMT-07 *311801015-0007*	WP084A PM SE Upper Overlook	1959.30	0.2030	4	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80718-OFD-PMT-08 *311801015-0008*	WP246 PM Intake Yard	1956.60	0.2030	3	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80718-OFD-PMT-FB1 *311801015-0009*	Field Blank 1	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**
80718-OFD-PMT-FB2 *311801015-0010*	Field Blank 2	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**

Initial Report From: 07/26/2018 15:34:48

EMSL Analytical, Inc.

6325 Harrison Dr. Suites 3 and 4 Las Vegas, NV 89120
Tel/Fax: (702) 931-3532 / (702) 931-3533
http://www.EMSL.com / lasvegaslab@EMSL.com

EMSL Order:	311801015
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH Safety Management Systems 1001 Brad Freeman Trail Trailer #2 / Safety Mgmt Systems Oroville, CA 95965	**Phone:**	(661) 699-9375
		Fax:	
		Received Date:	7/20/2018 9:15 AM
		Analysis Date:	07/24/2018 - 07/26/2018
		Collected Date:	07/18/2018
Project:	2018.07.18 Upper Area (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
William Bradford (10)

Shannon Ferguson, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Las Vegas, NV

Initial Report From: 07/26/2018 15:34:48

EMSL Analytical, Inc.

6325 Harrison Dr. Suites 3 and 4 Las Vegas, NV 89120
Tel/Fax: (702) 931-3532 / (702) 931-3533
http://www.EMSL.com / lasvegaslab@EMSL.com

EMSL Order: 311801017
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.18 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/20/2018 9:15 AM
Analysis Date: 07/25/2018 - 07/27/2018
Collected Date: 07/18/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80718-OFD-TPT-01 *311801017-0001*	WP278 AM N. Diversion Dam	1939.50	0.2030	4	None Detected			0.0010	**<4.90**	**<0.0010**
80718-OFD-TPT-02 *311801017-0002*	WP019A AM E. Diversion Dam	1941.30	0.2030	5	Actinolite	1	0	0.0010	**4.90**	**0.00098**
80718-OFD-TPT-03 *311801017-0003*	WP020A AM SE Canal	1914.30	0.2030	5	None Detected			0.0010	**<4.90**	**<0.0010**
80718-OFD-TPT-04 *311801017-0004*	WP281 AM Cherokee Road	1940.40	0.2030	5	None Detected			0.0010	**<4.90**	**<0.0010**
80718-OFD-TPT-05 *311801017-0005*	WP278 PM N. Diversion Dam	1941.30	0.2030	17	Actinolite	1	0	0.0010	**4.90**	**0.00098**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80718-OFD-TPT-06 *311801017-0006*	WP019A PM E. Diversion Dam	1956.60	0.2030	5	Actinolite	0	1	0.0010	**4.90**	**0.00097**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80718-OFD-TPT-07 *311801017-0007*	WP020A PM SE Canal	1976.40	0.2030	3	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80718-OFD-TPT-08 *311801017-0008*	WP281 PM Cherokee Road	1956.60	0.2030	11	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80718-OFD-TPT-FB1 *311801017-0009*	Field Blank 1	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**
80718-OFD-TPT-FB2 *311801017-0010*	Field Blank 2	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**

Initial Report From: 07/27/2018 10:41:34

EMSL Analytical, Inc.

6325 Harrison Dr. Suites 3 and 4 Las Vegas, NV 89120
Tel/Fax: (702) 931-3532 / (702) 931-3533
http://www.EMSL.com / lasvegaslab@EMSL.com

EMSL Order: 311801017
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.18 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/20/2018 9:15 AM
Analysis Date: 07/25/2018 - 07/27/2018
Collected Date: 07/18/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
William Bradford (10)

Shannon Ferguson, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Las Vegas, NV

Initial Report From: 07/27/2018 10:41:34

EMSL Analytical, Inc.

6325 Harrison Dr. Suites 3 and 4 Las Vegas, NV 89120
Tel/Fax: (702) 931-3532 / (702) 931-3533
http://www.EMSL.com / lasvegaslab@EMSL.com

EMSL Order: 311801016
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.18 Burma Road (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/20/2018 9:15 AM
Analysis Date: 07/23/2018 - 07/26/2018
Collected Date: 07/18/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80718-OFD-BPT-01 *311801016-0001*	WP017A AM Bruma Road 01	1917.10	0.2030	2	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80718-OFD-BPT-02 *311801016-0002*	WP082A AM Bruma Road 02	1933.20	0.2030	5	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80718-OFD-BPT-03 *311801016-0003*	WP037A AM Bruma Road 03	1912.50	0.2030	15	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80718-OFD-BPT-04 *311801016-0004*	WP017A PM Bruma Road 01	1948.50	0.2030	6	Actinolite	0	1	0.0010	**4.90**	**0.00097**
80718-OFD-BPT-05 *311801016-0005*	WP082A PM Bruma Road 02	1961.10	0.2030	10	None Detected			0.0010	**<4.90**	**<0.0010**
80718-OFD-BPT-06 *311801016-0006*	WP037A PM Bruma Road 03	1941.30	0.2030	15	Actinolite	0	1	0.0010	**4.90**	**0.00098**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80718-OFD-BPT-FB1 *311801016-0007*	Field Blank 1	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**
80718-OFD-BPT-FB2 *311801016-0008*	Field Blank 2	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**

Analyst(s)
William Bradford (8)

Shannon Ferguson, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Las Vegas, NV

Initial Report From: 07/27/2018 08:47:39

EMSL Analytical, Inc.

6325 Harrison Dr. Suites 3 and 4 Las Vegas, NV 89120
Tel/Fax: (702) 931-3532 / (702) 931-3533
http://www.EMSL.com / lasvegaslab@EMSL.com

EMSL Order: 311801018
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.18 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/20/2018 9:15 AM
Analysis Date: 07/20/2018 - 07/23/2018
Collected Date: 07/18/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80718-OFD-LRP-01 *311801018-0001*	WP009A AM Launch Ramp Parking	1920.70	0.2030	14	None Detected			0.0010	**<4.90**	**<0.0010**
80718-OFD-LRP-02 *311801018-0002*	WP081A AM Launch Ramp Turnaround	1926.00	0.2030	3	None Detected			0.0010	**<4.90**	**<0.0010**
80718-OFD-LRP-03 *311801018-0003*	WP009A PM Launch Ramp Parking	1959.30	0.2030	6	Actinolite	0	1	0.0010	**4.90**	**0.00097**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80718-OFD-LRP-04 *311801018-0004*	WP081A PM Launch Ramp Turnaround	1962.00	0.2030	2	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80718-OFD-LRP-FB1 *311801018-0005*	Field Blank 1	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**
80718-OFD-LRP-FB2 *311801018-0006*	Field Blank 2	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**

Analyst(s)
William Bradford (6)

Shannon Ferguson, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Las Vegas, NV

Initial report from: 07/23/2018 10:34:17

EMSL Analytical, Inc.

10801 Southern Loop Blvd Pineville, NC 28134

Tel/Fax: (704) 525-2205 / (704) 525-2382

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

EMSL Order: 411805869
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.19 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/21/2018 8:15 AM
Analysis Date: 07/24/2018
Collected Date: 07/19/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80719-OFD-PMT-01 *411805869-0001*	WP083A AM Dan Beebe Trail	1927.80	0.2080	4	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
80719-OFD-PMT-02 *411805869-0002*	WP249 AM Canyon Drive	1916.20	0.2080	4	Actinolite	1	0	0.0010	**4.80**	**0.00097**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
80719-OFD-PMT-03 *411805869-0003*	WP084A AM SE Upper Overlook	1904.60	0.2080	4	None Detected			0.0010	**<4.80**	**<0.0010**
80719-OFD-PMT-04 *411805869-0004*	WP246 AM Intake Yard	1933.20	0.2080	5	None Detected			0.0010	**<4.80**	**<0.0010**
80719-OFD-PMT-05 *411805869-0005*	WP083A PM Dan Beebe Trail	1963.80	0.2080	5	None Detected			0.0009	**<4.80**	**<0.0009**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
80719-OFD-PMT-06 *411805869-0006*	WP249 PM Canyon Drive	1971.10	0.2080	1	Actinolite	1	0	0.0009	**4.80**	**0.00094**
80719-OFD-PMT-07 *411805869-0007*	WP084A PM SE Upper Overlook	1949.40	0.2080	1	None Detected			0.0010	**<4.80**	**<0.0010**
80719-OFD-PMT-08 *411805869-0008*	WP246 PM Intake Yard	1956.60	0.2080	3	None Detected			0.0009	**<4.80**	**<0.0010**
80719-OFD-PMT-FB1 *411805869-0009*	Field Blank 1	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
80719-OFD-PMT-FB2 *411805869-0010*	Field Blank 2	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**

Initial Report From: 07/24/2018 15:59:36

EMSL Analytical, Inc.

10801 Southern Loop Blvd Pineville, NC 28134

Tel/Fax: (704) 525-2205 / (704) 525-2382

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

EMSL Order:	411805869
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH Safety Management Systems 1001 Brad Freeman Trail Trailer #2 / Safety Mgmt Systems Oroville, CA 95965	**Phone:**	(661) 699-9375
		Fax:	
		Received Date:	7/21/2018 8:15 AM
		Analysis Date:	07/24/2018
		Collected Date:	07/19/2018
Project:	2018.07.19 Upper Area (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Aaron Hartley (10)

Lee Plumley, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Pineville, NC

Initial Report From: 07/24/2018 15:59:36

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 331814774
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.19 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/21/2018 9:25 AM
Analysis Date: 07/28/2018 - 07/29/2018
Collected Date: 07/19/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80719-OFD-TPT-01 *331814774-0001*	WP278 AM N. Diversion Dam	1931.40	0.2050	2	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80719-OFD-TPT-02 *331814774-0002*	WP019A AM E. Diversion Dam	1923.30	0.2050	0	None Detected			0.0010	**<4.90**	**<0.0010**
80719-OFD-TPT-03 *331814774-0003*	WP020A AM SE Canal	1915.30	0.2050	1	None Detected			0.0010	**<4.90**	**<0.0010**
80719-OFD-TPT-04 *331814774-0004*	WP281 AM Cherokee Rd.	1928.70	0.2050	0	None Detected			0.0010	**<4.90**	**<0.0010**
80719-OFD-TPT-05 *331814774-0005*	WP278 PM N. Diversion Dam	1948.50	0.2050	1	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80719-OFD-TPT-06 *331814774-0006*	WP019A PM E. Diversion Dam	1966.60	0.2050	0	None Detected			0.0010	**<4.90**	**<0.0010**
80719-OFD-TPT-07 *331814774-0007*	WP020A PM SE Canal	1955.70	0.2050	1	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80719-OFD-TPT-08 *331814774-0008*	WP281 PM Cherokee Rd.	1945.80	0.2050	2	None Detected			0.0010	**<4.90**	**<0.0010**
80719-OFD-TPT-FB1 *331814774-0009*	Field Blank 1	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
80719-OFD-TPT-FB2 *331814774-0010*	Field Blank 2	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**

Initial Report From: 07/29/2018 18:20:44

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order:	331814774
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH	**Phone:**	(661) 699-9375
	Safety Management Systems	**Fax:**	
	1001 Brad Freeman Trail	**Received Date:**	7/21/2018 9:25 AM
	Trailer #2 / Safety Mgmt Systems	**Analysis Date:**	07/28/2018 - 07/29/2018
	Oroville, CA 95965	**Collected Date:**	07/19/2018
Project:	2018.07.19 Diversion Dam (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Jeffrey Deboo (10)

Michael DeCavallas, Laboratory Manager
or other approved signatory

LA Testing is not responsible for data reported in structures /cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above and may not be reproduced except in full, without written approval by LA Testing. This test report must not be used to claim product endorsement by NVLAP or any agency of the U .S. Government. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Sample received in acceptable condition unless otherwise noted.Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by LA Testing Huntington Beach, CA

Initial Report From: 07/29/2018 18:20:44

EMSL Analytical, Inc.

10801 Southern Loop Blvd Pineville, NC 28134
Tel/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 411805870
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.19 Burma Rd. (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/21/2018 8:15 AM
Analysis Date: 07/24/2018
Collected Date: 07/19/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80719-OFD-BPT-01 *411805870-0001*	WP017A AM Burma Road 01	1930.40	0.2080	1	None Detected			0.0010	**<4.80**	**<0.0010**
80719-OFD-BPT-02 *411805870-0002*	WP082A AM Burma Road 02	1950.20	0.2080	0	None Detected			0.0009	**<4.80**	**<0.0010**
80719-OFD-BPT-03 *411805870-0003*	WP037A AM Burma Road 03	1912.50	0.2080	4	None Detected			0.0010	**<4.80**	**<0.0010**
80719-OFD-BPT-04 *411805870-0004*	WP017A PM Burma Road 01	1937.70	0.2080	2	None Detected			0.0010	**<4.80**	**<0.0010**
80719-OFD-BPT-05 *411805870-0005*	WP082A PM Burma Road 02	1958.40	0.2080	1	None Detected			0.0009	**<4.80**	**<0.0010**
80719-OFD-BPT-06 *411805870-0006*	WP037A PM Burma Road 03	1962.90	0.2080	2	None Detected			0.0009	**<4.80**	**<0.0009**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
80719-OFD-BPT-FB1 *411805870-0007*	Field Blank 1	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
80719-OFD-BPT-FB2 *411805870-0008*	Field Blank 2	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**

Analyst(s)
Aaron Hartley (8)

Lee Plumley, Laboratory Manager
or other approved signatory

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 data reported that relies on information provided by the client, sample collection activities, or analytical method limitations. EMSL maintains liability limited to the cost of analysis. Interpretation and use of test results are the responsibility of the client. All samples were received in acceptable condition unless otherwise noted. The analyses above were performed with a 25% overload criteria as per EPA 40 CFR Part 763 Subpart E. A 10% overload criteria can be applied at client's request.

Samples analyzed by EMSL Analytical, Inc. Pineville, NC

Initial Report From: 07/24/2018 16:52:04

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 331814772
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.19 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/21/2018 9:25 AM
Analysis Date: 07/25/2018
Collected Date: 07/19/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80719-OFD-LRP-01 *331814772-0001*	WP009 AM Launch Ramp Parking	1933.20	0.2050	10	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80719-OFD-LRP-02 *331814772-0002*	WP081A AM Launch Ramp Turnaround	1927.80	0.2050	2	None Detected			0.0010	**<4.90**	**<0.0010**
80719-OFD-LRP-03 *331814772-0003*	WP009A PM Launch Ramp Parking	1972.00	0.2050	10	None Detected			0.0010	**<4.90**	**<0.0010**
80719-OFD-LRP-04 *331814772-0004*	WP081A PM Launch Ramp Turnaround	1977.40	0.2050	4	None Detected			0.0010	**<4.90**	**<0.0010**
80719-OFD-LRP-FB1 *331814772-0005*	Field Blank 1	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
80719-OFD-LRP-FB2 *331814772-0006*	Field Blank 2	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**

Analyst(s)
Larry Kolk (6)

Michael DeCavallas, Laboratory Manager
or other approved signatory

LA Testing is not responsible for data reported in structures /cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above and may not be reproduced except in full, without written approval by LA Testing . This test report must not be used to claim product endorsement by NVLAP or any agency of the U .S. Government. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Sample received in acceptable condition unless otherwise noted.Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by LA Testing Huntington Beach, CA

Initial Report From: 07/26/2018 15:36:58

EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

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

EMSL Order: 091815996
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.20 UPPER AREA (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/22/2018 1:45 PM
Analysis Date: 07/25/2018 - 07/26/2018
Collected Date: 07/20/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80720-OFD-PMT-01 *091815996-0001*	WP083A AM DAN BEEBE TRIAL	1935.90	0.2060	1	None Detected			0.0010	**<4.90**	**<0.0010**
80720-OFD-PMT-02 *091815996-0002*	WP249 AM CANYON DRIVE	1918.90	0.2060	2	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80720-OFD-PMT-03 *091815996-0003*	WP084A AM SE UPPER OVERLOOK	1923.30	0.2060	4	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80720-OFD-PMT-04 *091815996-0004* .	WP246 AM INTAKE YARD	1940.40	0.2060	0	None Detected			0.0010	**<4.90**	**<0.0010**
80720-OFD-PMT-05 *091815996-0005*	WP083A PM DAN BEEBE TRIAL	1953.90	0.2060	3	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80720-OFD-PMT-06 *091815996-0006*	WP249 PM CANYON DRIVE	1956.60	0.2060	0	None Detected			0.0010	**<4.90**	**<0.0010**
80720-OFD-PMT-07 *091815996-0007*	WP084A PM SE UPPER OVERLOOK	1952.10	0.2060	0	Actinolite	0	1	0.0010	**4.90**	**0.00096**
80720-OFD-PMT-08 *091815996-0008*	WP246 PM INTAKE YARD	1942.20	0.2060	0	None Detected			0.0010	**<4.90**	**<0.0010**
80720-OFD-PMT-FB1 *091815996-0009*	FIELD BLANK 1	0.00	0.1210	0	None Detected			N/A	**<8.30**	**N/A**
80720-OFD-PMT-FB2 *091815996-0010*	FIELD BLANK 2	0.00	0.1210	0	None Detected			N/A	**<8.30**	**N/A**

Initial Report From: 07/27/2018 11:46:11

EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

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

EMSL Order:	091815996
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH Safety Management Systems 1001 Brad Freeman Trail Trailer #2 / Safety Mgmt Systems Oroville, CA 95965	**Phone:**	(661) 699-9375
		Fax:	
		Received Date:	7/22/2018 1:45 PM
		Analysis Date:	07/25/2018 - 07/26/2018
		Collected Date:	07/20/2018
Project:	2018.07.20 UPPER AREA (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Matthew Batongbacal (10)

Matthew Batongbacal
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc San Leandro, CA

Initial Report From: 07/27/2018 11:46:11

EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

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

EMSL Order: 091815999
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.20 DIVERSION DAM (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/22/2018 1:45 PM
Analysis Date: 07/26/2018
Collected Date: 07/20/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80720-OFD-TPT-01 *091815999-0001*	WP278 AM N. DIVERSION DAM	1934.10	0.2060	2	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80720-OFD-TPT-02 *091815999-0002*	WP019A AM E. DIVERSION DAM	1932.20	0.2060	1	None Detected			0.0010	**<4.90**	**<0.0010**
80720-OFD-TPT-03 *091815999-0003*	WP020A AM SE CANAL	1937.70	0.2060	0	Tremolite	1	0	0.0010	**4.90**	**0.00097**
80720-OFD-TPT-04 *091815999-0004*	WP281 AM CHEROKEE RD.	1943.10	0.2060	0	None Detected			0.0010	**<4.90**	**<0.0010**
80720-OFD-TPT-05 *091815999-0005*	WP278 PM N. DIVERSION DAM	1953.90	0.2060	1	None Detected			0.0010	**<4.90**	**<0.0010**
80720-OFD-TPT-06 *091815999-0006*	WP019A PM E. DIVERSION DAM	1962.90	0.2060	0	None Detected			0.0010	**<4.90**	**<0.0010**
80720-OFD-TPT-07 *091815999-0007*	WP020A PM SE CANAL	1967.50	0.2060	1	None Detected			0.0010	**<4.90**	**<0.0010**
80720-OFD-TPT-08 *091815999-0008*	WP281 PM CHEROKEE RD.	1952.10	0.2060	0	None Detected			0.0010	**<4.90**	**<0.0010**
80720-OFD-TPT-FB1 *091815999-0009*	FIELD BLANK 1	0.00	0.1210	0	None Detected			N/A	**<8.30**	**N/A**
80720-OFD-TPT-FB2 *091815999-0010*	FIELD BLANK 2	0.00	0.1210	0	None Detected			N/A	**<8.30**	**N/A**

Initial Report From: 07/26/2018 18:15:52

EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

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

EMSL Order:	091815999
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH Safety Management Systems 1001 Brad Freeman Trail Trailer #2 / Safety Mgmt Systems Oroville, CA 95965	**Phone:**	(661) 699-9375
		Fax:	
		Received Date:	7/22/2018 1:45 PM
		Analysis Date:	07/26/2018
		Collected Date:	07/20/2018
Project:	2018.07.20 DIVERSION DAM (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Matthew Batongbacal (10)

Matthew Batongbacal
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc San Leandro, CA

Initial Report From: 07/26/2018 18:15:52

EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

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

EMSL Order: 091815998
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.20 BURMA RD (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/22/2018 1:45 PM
Analysis Date: 07/26/2018 - 07/27/2018
Collected Date: 07/20/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80720-OFT-BPT-01 *091815998-0001*	WP017A AM BURMA ROAD 01	1940.40	0.2110	0	None Detected			0.0009	**<4.70**	**<0.0009**
80720-OFT-BPT-02 *091815998-0002*	WP082A AM BURMA ROAD 02	1948.50	0.2060	0	None Detected			0.0010	**<4.90**	**<0.0010**
80720-OFT-BPT-03 *091815998-0003*	WP037A AM BURMA ROAD 03	1914.40	0.2060	1	None Detected			0.0010	**<4.90**	**<0.0010**
80720-OFT-BPT-04 *091815998-0004*	WP017A PM BURMA ROAD 01	1922.40	0.2060	2	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80720-OFT-BPT-05 *091815998-0005*	WP082A PM BURMA ROAD 02	1934.90	0.2060	0	None Detected			0.0010	**<4.90**	**<0.0010**
80720-OFT-BPT-06 *091815998-0006*	WP037A PM BURMA ROAD 03	1943.10	0.2060	0	Chrysotile	1	0	0.0010	**4.90**	**0.00096**
80720-OFT-BPT-FB1 *091815998-0007*	FIELD BLANK 1	0.00	0.1240	0	None Detected			N/A	**<8.10**	**N/A**
80720-OFT-BPT-FB2 *091815998-0008*	FIELD BLANK 2	0.00	0.1240	0	None Detected			N/A	**<8.10**	**N/A**

Analyst(s)
Matthew Batongbacal (8)

Matthew Batongbacal
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc San Leandro, CA

Initial Report From: 07/27/2018 17:45:52

EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

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

EMSL Order: 091815997
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.20 LAUNCH RAMP (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/22/2018 1:45 PM
Analysis Date: 07/27/2018
Collected Date: 07/20/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80720-OFD-LRP-01 *091815997-0001*	WP009A AM LAUNCH RAMP PARKING	1936.80	0.2110	3	None Detected			0.0009	**<4.70**	**<0.0009**
80720-OFD-LRP-02 *091815997-0002*	WP081A AM LAUNCH RAMP TURNAROUND	1944.00	0.1980	1	None Detected			0.0010	**<5.00**	**<0.0010**
80720-OFD-LRP-03 *091815997-0003*	WP009A PM LAUNCH RAMP PARKING	1940.40	0.2110	0	None Detected			0.0009	**<4.70**	**<0.0009**
80720-OFD-LRP-04 *091815997-0004*	WP081A PM LAUNCH RAMP TURNAROUND	1930.50	0.2110	1	None Detected			0.0009	**<4.70**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80720-OFD-LRP-FB1 *091815997-0005*	FIELD BLANK 1	0.00	0.1240	0	None Detected			N/A	**<8.10**	**N/A**
80720-OFD-LRP-FB2 *091815997-0006*	FIELD BLANK 2	0.00	0.1240	0	None Detected			N/A	**<8.10**	**N/A**

Analyst(s)
Matthew Batongbacal (6)

Matthew Batongbacal
or other approved signatory

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 data reported that relies on information provided by the client, sample collection activities, or analytical method limitations. EMSL maintains liability limited to the cost of analysis. Interpretation and use of test results are the responsibility of the client. All samples were received in acceptable condition unless otherwise noted. The analyses above were performed with a 25% overload criteria as per EPA 40 CFR Part 763 Subpart E. A 10% overload criteria can be applied at client's request.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA

Initial Report From: 07/27/2018 15:43:14

EMSL Analytical, Inc.

490 Rowley Road Depew, NY 14043

Tel/Fax: (716) 651-0030 / (716) 651-0394

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

EMSL Order: 141803869
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.21 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/24/2018 8:45 AM
Analysis Date: 07/25/2018
Collected Date: 07/21/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80721-OFD-PMT-01 *141803869-0001*	WP083A AM DAN BEEBE TRAIL	1928.70	0.2030	0	None Detected			0.0010	**<4.90**	**<0.0010**
80721-OFD-PMT-02 *141803869-0002*	WP249 AM CANYON DRIVE	1918.90	0.2030	0	None Detected			0.0010	**<4.90**	**<0.0010**
80721-OFD-PMT-03 *141803869-0003*	WP084A AM SE UPPER OVERLOOK	1909.00	0.2030	0	None Detected			0.0010	**<4.90**	**<0.0010**
80721-OFD-PMT-04 *141803869-0004*	WP246 AM INTAKE YARD	1930.50	0.2030	0	None Detected			0.0010	**<4.90**	**<0.0010**
80721-OFD-PMT-05 *141803869-0005*	WP083A PM DAN BEEBE TRAIL	1944.00	0.2030	0	None Detected			0.0010	**<4.90**	**<0.0010**
80721-OFD-PMT-06 *141803869-0006*	WP249 PM CANYON DRIVE	1959.30	0.2030	0	None Detected			0.0010	**<4.90**	**<0.0010**
80721-OFD-PMT-07 *141803869-0007*	WP084A PM SE Upper Overlook	1969.30	0.2030	0	None Detected			0.0010	**<4.90**	**<0.0010**
80721-OFD-PMT-08 *141803869-0008*	WP246 PM INTAKE YARD	1952.10	0.2030	0	None Detected			0.0010	**<4.90**	**<0.0010**
80721-OFD-PMT-09 *141803869-0009*	Field Blank 1	0.00	0.1350	0	None Detected			N/A	**<7.40**	**N/A**
80721-OFD-PMT-10 *141803869-0010*	Field Blank 2	0.00	0.1350	0	None Detected			N/A	**<7.40**	**N/A**

Initial Report From: 07/25/2018 07:12:51

EMSL Analytical, Inc.

490 Rowley Road Depew, NY 14043

Tel/Fax: (716) 651-0030 / (716) 651-0394

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

EMSL Order:	141803869
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH Safety Management Systems 1001 Brad Freeman Trail Trailer #2 / Safety Mgmt Systems Oroville, CA 95965	**Phone:**	(661) 699-9375
		Fax:	
		Received Date:	7/24/2018 8:45 AM
		Analysis Date:	07/25/2018
		Collected Date:	07/21/2018
Project:	2018.07.21 Upper Area (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Mark Tate (10)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Depew, NY

Initial Report From: 07/25/2018 07:12:51

EMSL Analytical, Inc.

10801 Southern Loop Blvd Pineville, NC 28134

Tel/Fax: (704) 525-2205 / (704) 525-2382

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

EMSL Order: 411805925
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.21 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/24/2018 10:15 AM
Analysis Date: 07/25/2018
Collected Date: 07/21/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80721-OFD-TPT-01 *411805925-0001*	WP278 AM N. Diversion Dam	1934.10	0.2080	2	None Detected			0.0010	**<4.80**	**<0.0010**
80721-OFD-TPT-02 *411805925-0002*	WP019A AM E. Diversion Dam	1931.40	0.2080	4	None Detected			0.0010	**<4.80**	**<0.0010**
80721-OFD-TPT-03 *411805925-0003*	WP020A AM SE Canal	1940.40	0.2080	5	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
80721-OFD-TPT-04 *411805925-0004*	WP281 AM Cherokee Rd.	1956.60	0.2080	1	None Detected			0.0009	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
80721-OFD-TPT-05 *411805925-0005*	WP278 PM N. Diversion Dam	1948.50	0.2080	0	None Detected			0.0010	**<4.80**	**<0.0010**
80721-OFD-TPT-06 *411805925-0006*	WP019A PM E. Diversion Dam	1943.10	0.2080	0	None Detected			0.0010	**<4.80**	**<0.0010**
80721-OFD-TPT-07 *411805925-0007*	WP020A PM SE Canal	1961.10	0.2080	1	None Detected			0.0009	**<4.80**	**<0.0009**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
80721-OFD-TPT-08 *411805925-0008*	WP281 PM Cherokee Rd.	1947.50	0.2080	0	None Detected			0.0010	**<4.80**	**<0.0010**
80721-OFD-TPT-FB1 *411805925-0009*	Field Blank 1	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
80721-OFD-TPT-FB2 *411805925-0010*	Field Blank 2	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**

Initial Report From: 07/26/2018 11:29:31

EMSL Analytical, Inc.

10801 Southern Loop Blvd Pineville, NC 28134
Tel/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 411805925
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.21 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/24/2018 10:15 AM
Analysis Date: 07/25/2018
Collected Date: 07/21/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
Aaron Hartley (10)

Lee Plumley, Laboratory Manager
or other approved signatory

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 data reported that relies on information provided by the client, sample collection activities, or analytical method limitations. EMSL maintains liability limited to the cost of analysis. Interpretation and use of test results are the responsibility of the client. All samples were received in acceptable condition unless otherwise noted. The analyses above were performed with a 25% overload criteria as per EPA 40 CFR Part 763 Subpart E. A 10% overload criteria can be applied at client's request.

Samples analyzed by EMSL Analytical, Inc. Pineville, NC

Initial Report From: 07/26/2018 11:29:31

EMSL Analytical, Inc.

6325 Harrison Dr. Suites 3 and 4 Las Vegas, NV 89120
Tel/Fax: (702) 931-3532 / (702) 931-3533
http://www.EMSL.com / lasvegaslab@EMSL.com

EMSL Order: 311801033
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.21 Burma Road (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/24/2018 9:00 AM
Analysis Date: 07/27/2018 - 07/30/2018
Collected Date: 07/21/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80721-OFD-BPT-01 *311801033-0001*	WP017A AM Burma Road 01	1944.90	0.2030	0	None Detected			0.0010	**<4.90**	**<0.0010**
80721-OFD-BPT-02 *311801033-0002*	WP082A AM Burma Road 02	1963.80	0.2030	3	None Detected			0.0010	**<4.90**	**<0.0010**
80721-OFD-BPT-03 *311801033-0003*	WP037A AM Burma Road 03	1932.30	0.2290	16	None Detected			0.0009	**<4.40**	**<0.0009**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80721-OFD-BPT-04 *311801033-0004*	WP017A PM Burma Road 01	1965.60	0.2030	5	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80721-OFD-BPT-05 *311801033-0005*	WP082A PM Burma Road 02	1962.90	0.2030	2	None Detected			0.0010	**<4.90**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80721-OFD-BPT-06 *311801033-0006*	WP037A PM Burma Road 03	1968.30	0.2030	3	None Detected			0.0010	**<4.90**	**<0.0010**
80721-OFD-BPT-FB1 *311801033-0007*	Field Blank 1	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**
80721-OFD-BPT-FB2 *311801033-0008*	Field Blank 2	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**

Analyst(s)
William Bradford (8)

Shannon Ferguson, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Las Vegas, NV

Initial Report From: 07/30/2018 11:25:00

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321816764
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.21 LAUNCH RAMP (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/24/2018 9:10 AM
Analysis Date: 07/25/2018
Collected Date: 07/21/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80721-OFD-LRP-01 *321816764-0001*	WP009A AM LAUNCH RAMP PARKING	1927.80	0.2060	8	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80721-OFD-LRP-02 *321816764-0002*	WP081A AM LAUNCH RAMP TURNAROUND	1920.70	0.2060	2	Chrysotile	1	0	0.0010	**4.80**	**0.00097**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80721-OFD-LRP-03 *321816764-0003*	WP009A PM LAUNCH RAMP PARKING	1966.60	0.2060	8	None Detected			0.0009	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80721-OFD-LRP-04 *321816764-0004*	WP081A PM LAUNCH RAMP TURNAROUND	1954.80	0.2060	9	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80721-OFD-LRP-FB1 *321816764-0005*	FIELD BLANK 1	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
80721-OFD-LRP-FB2 *321816764-0006*	FIELD BLANK 2	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**

Analyst(s)
Kyeong Corbin (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA

Initial Report From: 07/25/2018 10:47:16

EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

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

EMSL Order: 241803829
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.22 UPPER AREA (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/24/2018 10:25 AM
Analysis Date: 07/28/2018 - 07/30/2018
Collected Date: 07/22/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80722-OFD-PMT-01 *241803829-0001*	WP083A AM DAN BEEBE TRAIL	1931.40	0.2060	2	None Detected			0.0010	**<4.80**	**<0.0010**
80722-OFD-PMT-02 *241803829-0002*	WP249 AM CANYON DRIVE	1918.90	0.2060	2	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80722-OFD-PMT-03 *241803829-0003*	WP084A AM SE UPPER OVERLOOK	1914.40	0.2060	1	None Detected			0.0010	**<4.80**	**<0.0010**
80722-OFD-PMT-04 *241803829-0004*	WP246 AM UBTAJE TARD	1941.30	0.2060	5	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80722-OFD-PMT-05 *241803829-0005*	WP083A PM DAN BEEBE TRAIL	1956.60	0.2060	3	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80722-OFD-PMT-06 *241803829-0006*	WP249 PM CANYON DRIVE	1963.80	0.2060	2	None Detected			0.0010	**<4.80**	**<0.0010**
80722-OFD-PMT-07 *241803829-0007*	WP084A PM SE UPPER OVERLOOK	1958.40	0.2060	1	None Detected			0.0010	**<4.80**	**<0.0010**
80722-OFD-PMT-08 *241803829-0008*	WP246 PM INTAKE YARD	1968.30	0.2060	1	None Detected			0.0009	**<4.80**	**<0.0010**
80722-OFD-PMT-FB1 *241803829-0009*	FIELD BLANK 1	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
80722-OFD-PMT-FB2 *241803829-0010*	FIELD BLANK 2	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**

Report amended: 07/30/2018 14:05:21 Replaces initial report from: 07/30/2018 10:34:28 Reason Code: Data Entry-Change to Appearance

EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

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

EMSL Order:	241803829
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH Safety Management Systems 1001 Brad Freeman Trail Trailer #2 / Safety Mgmt Systems Oroville, CA 95965	**Phone:**	(661) 699-9375
		Fax:	
		Received Date:	7/24/2018 10:25 AM
		Analysis Date:	07/28/2018 - 07/30/2018
		Collected Date:	07/22/2018
Project:	2018.07.22 UPPER AREA (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Lauren Buffone (10)

Lauren Brennan, Asbestos Lab Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT

Report amended: 07/30/2018 14:05:21 Replaces initial report from: 07/30/2018 10:34:28 Reason Code: Data Entry-Change to Appearance

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321816767
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.22 DIVERSION DAM (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/24/2018 9:10 AM
Analysis Date: 07/25/2018 - 07/26/2018
Collected Date: 07/22/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80722-OFD-TPT-01 *321816767-0001*	WP278 AM N. DIVERSION DAM	1960.20	0.2060	9	Actinolite	1	0	0.0010	**4.80**	**0.00095**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80722-OFD-TPT-02 *321816767-0002*	WP019A AM E. DIVERSION DAM	1962.90	0.2060	7	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80722-OFD-TPT-03 *321816767-0003*	WP020A AM SE CANAL	1957.50	0.2060	7	None Detected			0.0010	**<4.80**	**<0.0010**
80722-OFD-TPT-04 *321816767-0004*	WP281 AM CHEROKEE RD.	1943.10	0.2060	3	None Detected			0.0010	**<4.80**	**<0.0010**
80722-OFD-TPT-05 *321816767-0005*	WP278 PM N. DIVERSION DAM	1933.90	0.2060	5	None Detected			0.0010	**<4.80**	**<0.0010**
80722-OFD-TPT-06 *321816767-0006*	WP019A PM E DIVERSION DAM	1938.60	0.2060	3	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80722-OFD-TPT-07 *321816767-0007*	WP020A PM SE CANAL	1956.60	0.2060	8	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80722-OFD-TPT-08 *321816767-0008*	WP281 PM CHEROKEE RD.	1954.80	0.2060	6	Actinolite	0	1	0.0010	**4.80**	**0.00095**
80722-OFD-TPT-FB1 *321816767-0009*	FIELD BLANK 1	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
80722-OFD-TPT-FB2 *321816767-0010*	FIELD BLANK 2	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**

Report amended: 07/26/2018 13:12:40 Replaces initial report from: 07/26/2018 12:07:15 Reason Code: Data Entry-Change to Appearance

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order:	321816767
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH	**Phone:**	(661) 699-9375
	Safety Management Systems	**Fax:**	
	1001 Brad Freeman Trail	**Received Date:**	7/24/2018 9:10 AM
	Trailer #2 / Safety Mgmt Systems	**Analysis Date:**	07/25/2018 - 07/26/2018
	Oroville, CA 95965	**Collected Date:**	07/22/2018
Project:	2018.07.22 DIVERSION DAM (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Feng Liang (2)

Kyeong Corbin (8)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA

Report amended: 07/26/2018 13:12:40 Replaces initial report from: 07/26/2018 12:07:15 Reason Code: Data Entry-Change to Appearance

EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

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

EMSL Order: 241803828
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.22 BURMA RD (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/24/2018 10:25 AM
Analysis Date: 07/26/2018
Collected Date: 07/22/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80722-OFD-BPT-01 *241803828-0001*	WP017A AM BURMA ROAD 01	1944.90	0.2060	3	None Detected			0.0010	**<4.80**	**<0.0010**
80722-OFD-BPT-02 *241803828-0002*	WP082A AM BURMA ROAD 02	1953.90	0.2060	1	None Detected			0.0010	**<4.80**	**<0.0010**
80722-OFD-BPT-03 *241803828-0003*	WP037A AM BURMA ROAD 03	1932.30	0.2060	2	None Detected			0.0010	**<4.80**	**<0.0010**
80722-OFD-BPT-04 *241803828-0004*	WP017A PM BURMA ROAD 01	1926.80	0.2060	1	Actinolite	0	1	0.0010	**4.80**	**0.00097**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80722-OFD-BPT-05 *241803828-0005*	WP082A PM BURMA ROAD 02	1937.70	0.2060	3	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80722-OFD-BPT-06 *241803828-0006*	WP037A PM BURMA ROAD 03	1947.50	0.2060	2	Chrysotile	0	1	0.0010	**4.80**	**0.00096**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80722-OFD-BPT-FB1 *241803828-0007*	FIELD BLANK 1	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
80722-OFD-BPT-FB2 *241803828-0008*	FIELD BLANK 2	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**

Analyst(s)
Lauren Buffone (8)

Lauren Brennan, Asbestos Lab Manager
or other approved signatory

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 data reported that relies on information provided by the client, sample collection activities, or analytical method limitations. EMSL maintains liability limited to the cost of analysis. Interpretation and use of test results are the responsibility of the client. All samples were received in acceptable condition unless otherwise noted. The analyses above were performed with a 25% overload criteria as per EPA 40 CFR Part 763 Subpart E. A 10% overload criteria can be applied at client's request.

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT

Initial report from: 07/26/2018 12:10:31

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321816759
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.22 LAUNCH RAMP (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/24/2018 9:10 AM
Analysis Date: 07/25/2018
Collected Date: 07/22/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80722-OFD-LRP-01 *321816759-0001*	WP009A AM LAUNCH RAMP PARKING	1941.30	0.2060	6	None Detected			0.0010	**<4.80**	**<0.0010**
80722-OFD-LRP-02 *321816759-0002*	WP081A AM LAUNCH RAMP TURNAROUND	1938.60	0.2060	2	None Detected			0.0010	**<4.80**	**<0.0010**
80722-OFD-LRP-03 *321816759-0003*	WP009A PM LAUNCH RAMP PARKING	1959.30	0.2060	9	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80722-OFD-LRP-04 *321816759-0004*	WP081A PM LAUNCH RAMP TURNAROUND	1963.80	0.2060	8	None Detected			0.0010	**<4.80**	**<0.0010**
80722-OFD-LRP-FB1 *321816759-0005*	FIELD BLANK 1	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
80722-OFD-LRP-FB2 *321816759-0006*	FIELD BLANK 2	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**

Analyst(s)
Kyeong Corbin (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA

Initial Report From: 07/25/2018 13:52:05

EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

http://www.EMSL.com / rochesterlab@EMSL.com

EMSL Order: 531800155
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.23 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/25/2018 10:57 AM
Analysis Date: 07/27/2018 - 07/30/2018
Collected Date: 07/24/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80723-OFD-PMT-01 *531800155-0001*	WP083A AM DAN BEEBE TRAIL	1945.80	0.2100	1	None Detected			0.0009	**<4.80**	**<0.0009**
80723-OFD-PMT-02 *531800155-0002*	WP249 AM CANYON DRIVE	1926.90	0.2100	2	None Detected			0.0010	**<4.80**	**<0.0010**
80723-OFD-PMT-03 *531800155-0003*	WP084A AM SE UPPER OVERLOOK	1928.70	0.2100	0	None Detected			0.0010	**<4.80**	**<0.0010**
80723-OFD-PMT-04 *531800155-0004*	WP246 AM INTAKE YARD	1921.60	0.2100	3	None Detected			0.0010	**<4.80**	**<0.0010**
80723-OFD-PMT-05 *531800155-0005*	WP083A PM DAN BEEBE TRAIL	1951.20	0.2100	4	None Detected			0.0009	**<4.80**	**<0.0009**
80723-OFD-PMT-06 *531800155-0006*	WP249 PM CANYON DRIVE	1961.10	0.1970	0	None Detected			0.0010	**<5.10**	**<0.0010**
80723-OFD-PMT-07 *531800155-0007*	WP084A PM SE Upper Overlook	1959.30	0.1970	0	None Detected			0.0010	**<5.10**	**<0.0010**
80723-OFD-PMT-08 *531800155-0008*	WP246PM INTAKE YARD	1959.30	0.1970	0	None Detected			0.0010	**<5.10**	**<0.0010**
80723-OFD-PMT-FB1 *531800155-0009*	Field Blank 1	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
80723-OFD-PMT-FB2 *531800155-0010*	Field Blank 2	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**

Initial report from: 07/30/2018 15:35:04

EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

http://www.EMSL.com / rochesterlab@EMSL.com

EMSL Order:	531800155
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH Safety Management Systems 1001 Brad Freeman Trail Trailer #2 / Safety Mgmt Systems Oroville, CA 95965	**Phone:**	(661) 699-9375
		Fax:	
		Received Date:	7/25/2018 10:57 AM
		Analysis Date:	07/27/2018 - 07/30/2018
		Collected Date:	07/24/2018
Project:	2018.07.23 Upper Area (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Peter Donato (10)

Peter Donato Asbestos Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Rochester, NY

Initial report from: 07/30/2018 15:35:04

EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

http://www.EMSL.com / rochesterlab@EMSL.com

EMSL Order: 531800156
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.23 Diverson Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/25/2018 11:10 AM
Analysis Date: 07/30/2018 - 07/31/2018
Collected Date: 07/23/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80723-OFD-TPT-01 *531800156-0001*	WP278 AM N. Diversion Dam	1932.30	0.2100	0	None Detected			0.0010	**<4.80**	**<0.0010**
80723-OFD-TPT-02 *531800156-0002*	WP019A AM E. Diversion Dam	1920.70	0.2100	1	None Detected			0.0010	**<4.80**	**<0.0010**
80723-OFD-TPT-03 *531800156-0003*	WP020A AM SE Canal	1925.10	0.2100	0	None Detected			0.0010	**<4.80**	**<0.0010**
80723-OFD-TPT-04 *531800156-0004*	WP281 AM Cherokee Rd	1940.40	0.2100	0	None Detected			0.0009	**<4.80**	**<0.0010**
80723-OFD-TPT-05 *531800156-0005*	WP278 PM N. Diversion Dam	1966.60	0.1970	5	None Detected			0.0010	**<5.10**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80723-OFD-TPT-06 *531800156-0006*	WP019A PM E Diversion Dam	1962.90	0.1970	0	None Detected			0.0010	**<5.10**	**<0.0010**
80723-OFD-TPT-07 *531800156-0007*	WP020A PM SE Canal	1970.20	0.1970	1	None Detected			0.0010	**<5.10**	**<0.0010**
80723-OFD-TPT-08 *531800156-0008*	WP281 PM Cherokee Rd.	1956.60	0.2100	2	None Detected			0.0009	**<4.80**	**<0.0009**
80723-OFD-TPT-FB1 *531800156-0009*	Field Blank 1	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
80723-OFD-TPT-FB2 *531800156-0010*	Field Blank 2	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**

Initial report from: 07/31/2018 12:46:35

EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

http://www.EMSL.com / rochesterlab@EMSL.com

EMSL Order:	531800156
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH Safety Management Systems 1001 Brad Freeman Trail Trailer #2 / Safety Mgmt Systems Oroville, CA 95965	**Phone:**	(661) 699-9375
		Fax:	
		Received Date:	7/25/2018 11:10 AM
		Analysis Date:	07/30/2018 - 07/31/2018
		Collected Date:	07/23/2018
Project:	2018.07.23 Diverson Dam (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Peter Donato (10)

Peter Donato Asbestos Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Rochester, NY

Initial report from: 07/31/2018 12:46:35

EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

http://www.EMSL.com / rochesterlab@EMSL.com

EMSL Order: 531800154
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.23 Burma Rd (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/25/2018 10:45 AM
Analysis Date: 07/27/2018
Collected Date: 07/23/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80723-OFD-BPT-01 *531800154-0001*	WP017A AM Burma Road 01	1947.60	0.2100	1	None Detected			0.0009	**<4.80**	**<0.0009**
80723-OFD-BPT-02 *531800154-0002*	WP082A AM Burma Road 02	1949.40	0.2100	3	None Detected			0.0009	**<4.80**	**<0.0009**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80723-OFD-BPT-03 *531800154-0003*	WP037A AM Burma Road 03	1927.70	0.2100	1	None Detected			0.0010	**<4.80**	**<0.0010**
80723-OFD-BPT-04 *531800154-0004*	WP017A PM Burma Road 01	1955.70	0.2100	1	None Detected			0.0009	**<4.80**	**<0.0009**
80723-OFD-BPT-05 *531800154-0005*	WP082A PM Burma Road 02	1972.80	0.1970	1	None Detected			0.0010	**<5.10**	**<0.0010**
80723-OFD-BPT-06 *531800154-0006*	WP037A PM Burma Road 03	1951.20	0.2100	1	None Detected			0.0009	**<4.80**	**<0.0009**
80723-OFD-BPT-FB1 *531800154-0007*	Field Blank 1	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
80723-OFD-BPT-FB2 *531800154-0008*	Field Blank 2	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**

Analyst(s)
Peter Donato (8)

Peter Donato Asbestos Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Rochester, NY

Initial report from: 07/27/2018 14:44:31

EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

http://www.EMSL.com / rochesterlab@EMSL.com

EMSL Order: 531800153
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 07.23 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/25/2018 10:34 AM
Analysis Date: 07/26/2018 - 07/27/2018
Collected Date: 07/23/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80723-OFD-LRP-01 *531800153-0001*	WP009A AM Launch Ramp Parking	1923.30	0.2100	2	None Detected			0.0010	**<4.80**	**<0.0010**
80723-OFD-LRP-02 *531800153-0002*	WP081A AM Launch Ramp Turnaround	1920.70	0.2100	1	None Detected			0.0010	**<4.80**	**<0.0010**
80723-OFD-LRP-03 *531800153-0003*	WP009A PM Launch Ramp Parking	1964.80	0.1970	3	None Detected			0.0010	**<5.10**	**<0.0010**
80723-OFD-LRP-04 *531800153-0004*	WP081A PM Launch Ramp Turnaround	1972.00	0.1970	2	None Detected			0.0010	**<5.10**	**<0.0010**
80723-OFD-LRP-FB1 *531800153-0005*	Field Blank 1	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
80723-OFD-LRP-FB2 *531800153-0006*	Field Blank 2	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**

Analyst(s)
Peter Donato (6)

Peter Donato Asbestos Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Rochester, NY

Initial report from: 07/27/2018 10:19:29

EMSL Analytical, Inc.

6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 161814154
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.24 UPPER AREA (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/26/2018 9:10 AM
Analysis Date: 07/27/2018
Collected Date: 07/24/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80724-OFD-PMT-01 *161814154-0001*	WP083A AM DAN BEEBE TRAIL	1934.90	0.2110	0	None Detected			0.0009	**<4.70**	**<0.0009**
80724-OFD-PMT-02 *161814154-0002*	WP249 AM CANYON DRIVE	1906.40	0.2110	4	None Detected			0.0010	**<4.70**	**<0.0010**
80724-OFD-PMT-03 *161814154-0003*	WP084A AM SE UPPER OVERLOOK	1913.50	0.2110	2	None Detected			0.0010	**<4.70**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles										
80724-OFD-PMT-04 *161814154-0004*	WP246 AM INTAKE YARD	1918.00	0.2110	3	None Detected			0.0010	**<4.70**	**<0.0010**
80724-OFD-PMT-05 *161814154-0005*	WP083A PM DAN BEEBE TRAIL	1969.30	0.1980	0	None Detected			0.0010	**<5.10**	**<0.0010**
80724-OFD-PMT-06 *161814154-0006*	WP249 PM CANYON DRIVE	1959.30	0.1980	0	None Detected			0.0010	**<5.10**	**<0.0010**
80724-OFD-PMT-07 *161814154-0007*	WP084A PM SE UPPER OVERLOOK	1946.70	0.1980	0	None Detected			0.0010	**<5.10**	**<0.0010**
80724-OFD-PMT-08 *161814154-0008*	WP246 PM INTAKE YARD	1953.90	0.1980	0	None Detected			0.0010	**<5.10**	**<0.0010**
80724-OFD-PMT-FB1 *161814154-0009*	FIELD BLANK 1	0.00	0.1320	0	None Detected			N/A	**<7.60**	**N/A**
80724-OFD-PMT-FB2 *161814154-0010*	FIELD BLANK 2	0.00	0.1320	0	None Detected			N/A	**<7.60**	**N/A**

Initial report from: 07/27/2018 16:08:53

EMSL Analytical, Inc.

6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 161814154
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.24 UPPER AREA (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/26/2018 9:10 AM
Analysis Date: 07/27/2018
Collected Date: 07/24/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
Craig Nixon (5)
Richard Harding (5)

Richard Harding, Laboratory Manager
or other approved signatory

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 data reported that relies on information provided by the client, sample collection activities, or analytical method limitations. EMSL maintains liability limited to the cost of analysis. Interpretation and use of test results are the responsibility of the client. All samples were received in acceptable condition unless otherwise noted. The analyses above were performed with a 25% overload criteria as per EPA 40 CFR Part 763 Subpart E. A 10% overload criteria can be applied at client's request.

Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN

Initial report from: 07/27/2018 16:08:53

EMSL Analytical, Inc.

6325 Harrison Dr. Suites 3 and 4 Las Vegas, NV 89120
Tel/Fax: (702) 931-3532 / (702) 931-3533
http://www.EMSL.com / lasvegaslab@EMSL.com

EMSL Order: 311801038
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.24 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/26/2018 9:30 AM
Analysis Date: 07/30/2018 - 07/31/2018
Collected Date: 07/24/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80724-OFD-TPT-01 *311801038-0001*	WP278 AM N. Diversion Dam	1934.10	0.2030	2	Actinolite	0	1	0.0010	**4.90**	**0.00098**
80724-OFD-TPT-02 *311801038-0002*	WP019A AM E. Diversion Dam	1926.00	0.2030	4	None Detected			0.0010	**<4.90**	**<0.0010**
80724-OFD-TPT-03 *311801038-0003*	WP020A AM SE Canal	1925.10	0.2030	5	None Detected			0.0010	**<4.90**	**<0.0010**
80724-OFD-TPT-04 *311801038-0004*	WP281 AM Cherokee Rd.	1943.10	0.2030	3	None Detected			0.0010	**<4.90**	**<0.0010**
80724-OFD-TPT-05 *311801038-0005*	WP278 PM N. Diversion Dam	1961.10	0.2030	5	None Detected			0.0010	**<4.90**	**<0.0010**
80724-OFD-TPT-06 *311801038-0006*	WP019A PM E. Diversion Dam	1934.90	0.2030	3	None Detected			0.0010	**<4.90**	**<0.0010**
80724-OFD-TPT-07 *311801038-0007*	WP020A PM SE Canal	1969.30	0.2160	7	None Detected			0.0009	**<4.60**	**<0.0009**
80724-OFD-TPT-08 *311801038-0008*	WP281 PM Cherokee Rd.	1959.30	0.2030	6	None Detected			0.0010	**<4.90**	**<0.0010**
80724-OFD-TPT-FB1 *311801038-0009*	Field Blank 1	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**
80724-OFD-TPT-FB2 *311801038-0010*	Field Blank 2	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**

Initial Report From: 07/31/2018 11:03:32

EMSL Analytical, Inc.
6325 Harrison Dr. Suites 3 and 4 Las Vegas, NV 89120
Tel/Fax: (702) 931-3532 / (702) 931-3533
http://www.EMSL.com / lasvegaslab@EMSL.com

EMSL Order: 311801038
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.24 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/26/2018 9:30 AM
Analysis Date: 07/30/2018 - 07/31/2018
Collected Date: 07/24/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
William Bradford (10)

Shannon Ferguson, Laboratory Manager
or other approved signatory

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 data reported that relies on information provided by the client, sample collection activities, or analytical method limitations. EMSL maintains liability limited to the cost of analysis. Interpretation and use of test results are the responsibility of the client. All samples were received in acceptable condition unless otherwise noted. The analyses above were performed with a 25% overload criteria as per EPA 40 CFR Part 763 Subpart E. A 10% overload criteria can be applied at client's request.

Samples analyzed by EMSL Analytical, Inc. Las Vegas, NV

Initial Report From: 07/31/2018 11:03:32

EMSL Analytical, Inc.

6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 161814149
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.24 Burma Rd. (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/26/2018 9:10 AM
Analysis Date: 07/27/2018 - 07/31/2018
Collected Date: 07/24/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80724-OFD-BPT-01 *161814149-0001*	WP017A AM BURMA ROAD 01	1944.90	0.1980	0	None Detected			0.0010	**<5.10**	**<0.0010**
80724-OFD-BPT-02 *161814149-0002*	WP082A AM BURMA ROAD 02	1961.10	0.1980	0	None Detected			0.0010	**<5.10**	**<0.0010**
80724-OFD-BPT-03 *161814149-0003*	WP037A AM BURMA ROAD 03	1927.70	0.2110	0	None Detected			0.0009	**<4.70**	**<0.0010**
80724-OFD-BPT-04 *161814149-0004*	WP017A PM BURMA ROAD 01	1960.10	0.1980	1	None Detected			0.0010	**<5.10**	**<0.0010**
80724-OFD-BPT-05 *161814149-0005*	WP082A PM BURMA ROAD 02	1953.00	0.1980	0	None Detected			0.0010	**<5.10**	**<0.0010**
80724-OFD-BPT-06 *161814149-0006*	WP037A PM BURMA ROAD 03	1943.10	0.2110	2	None Detected			0.0009	**<4.70**	**<0.0009**
Non-asbestos structures reported include a contribution from non-regulated amphiboles										
80724-OFD-BPT-FB1 *161814149-0007*	Field Blank 1	0.00	0.1320	0	None Detected			N/A	**<7.60**	**N/A**
80724-OFD-BPT-FB2 *161814149-0008*	Field Blank 2	0.00	0.1320	0	None Detected			N/A	**<7.60**	**N/A**

Analyst(s)
Craig Nixon (7)
Richard Harding (1)

Richard Harding, Laboratory Manager
or other approved signatory

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 data reported that relies on information provided by the client, sample collection activities, or analytical method limitations. EMSL maintains liability limited to the cost of analysis. Interpretation and use of test results are the responsibility of the client. All samples were received in acceptable condition unless otherwise noted. The analyses above were performed with a 25% overload criteria as per EPA 40 CFR Part 763 Subpart E. A 10% overload criteria can be applied at client's request.

Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN

Initial report from: 07/31/2018 06:39:15

EMSL Analytical, Inc.

6325 Harrison Dr. Suites 3 and 4 Las Vegas, NV 89120
Tel/Fax: (702) 931-3532 / (702) 931-3533
http://www.EMSL.com / lasvegaslab@EMSL.com

EMSL Order: 311801037
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.24 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/26/2018 9:30 AM
Analysis Date: 07/31/2018 - 08/01/2018
Collected Date: 07/24/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80724-OFD-LRP-01 *311801037-0001*	WP009A AM Launch Ramp Parking	1927.80	0.2030	6	None Detected			0.0010	**<4.90**	**<0.0010**
80724-OFD-LRP-02 *311801037-0002*	WP081A AM Launch Ramp Turnaround	1920.70	0.2030	5	None Detected			0.0010	**<4.90**	**<0.0010**
80724-OFD-LRP-03 *311801037-0003*	WP009A PM Launch Ramp Parking	1955.70	0.2030	7	None Detected			0.0010	**<4.90**	**<0.0010**
80724-OFD-LRP-04 *311801037-0004*	WP081A PM Launch Ramp Turnaround	1951.20	0.2030	5	None Detected			0.0010	**<4.90**	**<0.0010**
80724-OFD-LRP-FB1 *311801037-0005*	Field Blank 1	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**
80724-OFD-LRP-FB2 *311801037-0006*	Field Blank 2	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**

Analyst(s)
William Bradford (6)

Shannon Ferguson, Laboratory Manager
or other approved signatory

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 data reported that relies on information provided by the client, sample collection activities, or analytical method limitations. EMSL maintains liability limited to the cost of analysis. Interpretation and use of test results are the responsibility of the client. All samples were received in acceptable condition unless otherwise noted. The analyses above were performed with a 25% overload criteria as per EPA 40 CFR Part 763 Subpart E. A 10% overload criteria can be applied at client's request.

Samples analyzed by EMSL Analytical, Inc. Las Vegas, NV

Initial Report From: 08/01/2018 11:24:11

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 331815181
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.25 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/27/2018 10:35 AM
Analysis Date: 07/31/2018 - 08/03/2018
Collected Date: 07/25/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80725-OFD-PMT-01 *331815181-0001*	WP083A AM Dan Beebe Trail	1935.90	0.2060	7	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80725-OFD-PMT-02 *331815181-0002*	WP249 AM Canyon Drive	1924.20	0.2060	10	Actinolite	1	1	0.0010	**9.70**	**0.0019**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80725-OFD-PMT-03 *331815181-0003*	WP084A AM SE Upper Overlook	1926.90	0.2060	1	Actinolite	0	1	0.0010	**4.80**	**0.00097**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80725-OFD-PMT-04 *331815181-0004*	WP246 AM Intake Yard	1938.60	0.2060	7	None Detected			0.0010	**<4.80**	**<0.0010**
80725-OFD-PMT-05 *331815181-0005*	WP083A PM Dan Beebe Trail	1951.20	0.2060	18	Actinolite	0	1	0.0010	**4.80**	**0.00096**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80725-OFD-PMT-06 *331815181-0006*	WP249 PM Canyon Drive	1948.50	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
80725-OFD-PMT-07 *331815181-0007*	WP084A PM SE Upper Overlook	1951.20	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
80725-OFD-PMT-08 *331815181-0008*	WP246 PM Intake Yard	1953.90	0.2060	1	None Detected			0.0010	**<4.80**	**<0.0010**
80725-OFD-PMT-FB1 *331815181-0009*	Field blank 1	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
80725-OFD-PMT-FB2 *331815181-0010*	Field blank 2	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**

Initial Report From: 08/03/2018 14:29:20

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order:	331815181
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH	**Phone:**	(661) 699-9375
	Safety Management Systems	**Fax:**	
	1001 Brad Freeman Trail	**Received Date:**	7/27/2018 10:35 AM
	Trailer #2 / Safety Mgmt Systems	**Analysis Date:**	07/31/2018 - 08/03/2018
	Oroville, CA 95965	**Collected Date:**	07/25/2018
Project:	2018.07.25 Upper Area (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Larry Kolk (10)

Michael DeCavallas, Laboratory Manager
or other approved signatory

LA Testing is not responsible for data reported in structures /cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above and may not be reproduced except in full, without written approval by LA Testing . This test report must not be used to claim product endorsement by NVLAP or any agency of the U .S. Government. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Sample received in acceptable condition unless otherwise noted.Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by LA Testing Huntington Beach, CA

Initial Report From: 08/03/2018 14:29:20

EMSL Analytical, Inc.

10801 Southern Loop Blvd Pineville, NC 28134

Tel/Fax: (704) 525-2205 / (704) 525-2382

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

EMSL Order:	411806049
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH Safety Management Systems 1001 Brad Freeman Trail Trailer #2 / Safety Mgmt Systems Oroville, CA 95965	**Phone:**	(661) 699-9375
		Fax:	
		Received Date:	7/27/2018 8:40 AM
		Analysis Date:	07/28/2018
		Collected Date:	07/25/2018
Project:	2018.07.25 Diversion Dam (Oroville EM OP)		

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80725-OFD-TPT-01 *411806049-0001*	WP278 AM N. Diversion Dam	1934.10	0.2080	2	None Detected			0.0010	**<4.80**	**<0.0010**
80725-OFD-TPT-02 *411806049-0002*	WP019A AM E. Diversion Dam	1931.40	0.2080	0	None Detected			0.0010	**<4.80**	**<0.0010**
80725-OFD-TPT-03 *411806049-0003*	WP020A AM SE Canal	1919.70	0.2080	4	None Detected			0.0010	**<4.80**	**<0.0010**
80725-OFD-TPT-04 *411806049-0004*	WP281 AM Cherokee Rd.	1940.40	0.2080	0	None Detected			0.0010	**<4.80**	**<0.0010**
80725-OFD-TPT-05 *411806049-0005*	WP278 PM N. Diversion Dam	1961.10	0.2080	0	Actinolite	1	0	0.0009	**4.80**	**0.00094**
80725-OFD-TPT-06 *411806049-0006*	WP019A PM E. Diversion Dam	1951.20	0.2080	0	None Detected			0.0009	**<4.80**	**<0.0010**
80725-OFD-TPT-07 *411806049-0007*	WP020A PM SE Canal	1974.70	0.1950	1	None Detected			0.0010	**<5.10**	**<0.0010**
80725-OFD-TPT-08 *411806049-0008*	WP281 PM Cherokee Rd.	1953.90	0.2080	0	None Detected			0.0009	**<4.80**	**<0.0010**
80725-OFD-TPT-FB1 *411806049-0009*	Field Blank 1	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
80725-OFD-TPT-FB2 *411806049-0010*	Field Blank 2	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**

Initial Report From: 07/30/2018 11:03:41

EMSL Analytical, Inc.

10801 Southern Loop Blvd Pineville, NC 28134
Tel/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 411806049
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.25 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/27/2018 8:40 AM
Analysis Date: 07/28/2018
Collected Date: 07/25/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
Aaron Hartley (10)

Lee Plumley, Laboratory Manager
or other approved signatory

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 data reported that relies on information provided by the client, sample collection activities, or analytical method limitations. EMSL maintains liability limited to the cost of analysis. Interpretation and use of test results are the responsibility of the client. All samples were received in acceptable condition unless otherwise noted. The analyses above were performed with a 25% overload criteria as per EPA 40 CFR Part 763 Subpart E. A 10% overload criteria can be applied at client's request.

Samples analyzed by EMSL Analytical, Inc. Pineville, NC

Initial Report From: 07/30/2018 11:03:41

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 331815191
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.25 Burma Rd (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/27/2018 10:35 AM
Analysis Date: 07/31/2018 - 08/03/2018
Collected Date: 07/25/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80725-OFD-BPT-01 *331815191-0001*	WP017A AM Burma Road 01	1924.20	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
80725-OFD-BPT-02 *331815191-0002*	WP082A AM Burma Road 02	1931.40	0.2060	1	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
80725-OFD-BPT-03 *331815191-0003*	WP037A AM Burma Road 03	1902.70	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
80725-OFD-BPT-04 *331815191-0004*	WP017A PM Burma Road 01	1951.20	0.2060	1	None Detected			0.0010	**<4.80**	**<0.0010**
80725-OFD-BPT-05 *331815191-0005*	WP082A PM Burma Road 02	1958.40	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
80725-OFD-BPT-06 *331815191-0006*	WP037A PM Burma Road 03	1958.40	0.2060	1	None Detected			0.0010	**<4.80**	**<0.0010**
80725-OFD-BPT-FB1 *331815191-0007*	Field blank 1	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
80725-OFD-BPT-FB2 *331815191-0008*	Field blank 2	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**

Analyst(s)
Jeffrey Deboo (8)

Michael DeCavallas, Laboratory Manager
or other approved signatory

LA Testing is not responsible for data reported in structures /cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above and may not be reproduced except in full, without written approval by LA Testing. This test report must not be used to claim product endorsement by NVLAP or any agency of the U .S. Government. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Sample received in acceptable condition unless otherwise noted.Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by LA Testing Huntington Beach, CA

Initial Report From: 08/03/2018 10:24:42

EMSL Analytical, Inc.

10801 Southern Loop Blvd Pineville, NC 28134
Tel/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 411806050
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.25 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/27/2018 8:40 AM
Analysis Date: 07/28/2018
Collected Date: 07/25/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80725-OFD-LRP-01 *411806050-0001*	WP009A AM Launch Ramp Parking	1923.30	0.2080	4	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
80725-OFD-LRP-02 *411806050-0002*	WP081A AM Launch Ramp Turnaround	1928.70	0.2080	2	None Detected			0.0010	**<4.80**	**<0.0010**
80725-OFD-LRP-03 *411806050-0003*	WP009A PM Launch Ramp Parking	1957.50	0.2080	4	None Detected			0.0009	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
80725-OFD-LRP-04 *411806050-0004*	WP081A PM Launch Ramp Turnaround	1952.10	0.2080	2	None Detected			0.0009	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
80725-OFD-LRP-FB1 *411806050-0005*	Field Blank 1	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
80725-OFD-LRP-FB2 *411806050-0006*	Field Blank 12	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**

Analyst(s)
Aaron Hartley (6)

Evan L Plumley

Lee Plumley, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Pineville, NC

Initial Report From: 07/30/2018 11:04:41

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321817209
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.26 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/28/2018 9:00 AM
Analysis Date: 07/30/2018 - 08/01/2018
Collected Date: 07/26/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80726-OFD-PMT-01 *321817209-0001*	WP083A AM Dan Beebe Trail	1931.40	0.2060	26	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80726-OFD-PMT-02 *321817209-0002*	WP249 AM Canyon Drive	1532.20	0.2580	12	None Detected			0.0010	**<3.90**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80726-OFD-PMT-03 *321817209-0003*	WP084A AM SE Upper Overlook	1931.40	0.2060	10	Actinolite	0	1	0.0010	**4.80**	**0.00097**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80726-OFD-PMT-04 *321817209-0004*	WP246 AM Intake Yard	1629.80	0.2450	6	None Detected			0.0010	**<4.10**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80726-OFD-PMT-05 *321817209-0005*	WP083A PM Dan Beebe Trail	1956.50	0.2060	25	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80726-OFD-PMT-06 *321817209-0006*	WP249 PM Canyon Dirve	1961.10	0.2060	10	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80726-OFD-PMT-07 *321817209-0007*	WP084A PM SE Upper Overlook	1953.90	0.2060	18	Actinolite	0	2	0.0010	**9.70**	**0.0019**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80726-OFD-PMT-08 *321817209-0008*	WP246 PM Intake Yard	1955.70	0.2060	16	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80726-OFD-PMT-FB1 *321817209-0009*	Field blank 1	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
80726-OFD-PMT-FB2 *321817209-0010*	Field blank 2	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**

Initial Report From: 08/01/2018 15:57:44

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321817209
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.26 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/28/2018 9:00 AM
Analysis Date: 07/30/2018 - 08/01/2018
Collected Date: 07/26/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
Feng Liang (1)
Kyeong Corbin (9)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA

Initial Report From: 08/01/2018 15:57:44

EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

http://www.EMSL.com / rochesterlab@EMSL.com

EMSL Order: 531800172
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.26 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/31/2018 1:55 PM
Analysis Date: 08/01/2018
Collected Date: 07/26/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80726-OFD-TPT-01 *531800172-0001*	WP278 AM N. Diversion Dam	1909.10	0.2100	2	None Detected			0.0010	**<4.80**	**<0.0010**
80726-OFD-TPT-02 *531800172-0002*	WP019A AM E. Diversion Dam	1934.10	0.2100	1	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80726-OFD-TPT-03 *531800172-0003*	WP020A AM SE Canal	1928.70	0.2100	1	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80726-OFD-TPT-04 *531800172-0004*	WP281 AM Cherokee Rd.	1949.40	0.2100	3	None Detected			0.0009	**<4.80**	**<0.0009**
80726-OFD-TPT-05 *531800172-0005*	Field Blank 1	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
80726-OFD-TPT-06 *531800172-0006*	Field Blank 2	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**

Analyst(s)
Peter Donato (6)

Peter Donato Asbestos Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Rochester, NY

Initial report from: 08/01/2018 14:27:36

EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

http://www.EMSL.com / rochesterlab@EMSL.com

EMSL Order: 531800173
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.26 Burma Rd (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/31/2018 2:12 PM
Analysis Date: 08/01/2018
Collected Date: 07/26/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80726-OFD-BPT-01 *531800173-0001*	WP017A AM Burma Road 01	1961.00	0.1970	0	None Detected			0.0010	**<5.10**	**<0.0010**
80726-OFD-BPT-02 *531800173-0002*	WP083A AM Burma Road 02	1957.50	0.2100	1	None Detected			0.0009	**<4.80**	**<0.0009**
80726-OFD-BPT-03 *531800173-0003*	WP037A AM Burma Road 03	1938.60	0.2100	1	None Detected			0.0009	**<4.80**	**<0.0010**
80726-OFD-BPT-04 *531800173-0004*	WP017A PM Burma Road 01	1888.90	0.2100	1	None Detected			0.0010	**<4.80**	**<0.0010**
80726-OFD-BPT-05 *531800173-0005*	Field Blank 01	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
80726-OFD-BPT-06 *531800173-0006*	Field Blank 02	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**

Analyst(s)
Peter Donato (6)

Peter Donato Asbestos Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Rochester, NY

Initial report from: 08/01/2018 16:21:39

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321817217
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2018.07.26 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 7/28/2018 9:00 AM
Analysis Date: 07/31/2018
Collected Date: 07/26/2018

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
80726-OFD-LRP-01 *321817217-0001*	WP009A AM Launch Ramp Parking	1936.80	0.2060	24	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80726-OFD-LRP-02 *321817217-0002*	WP081A AM Launch Ramp Turnaround	1932.30	0.2060	5	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80726-OFD-LRP-03 *321817217-0003*	WP009A PM Launch Ramp Parking	1961.10	0.2060	7	None Detected			0.0010	**<4.80**	**<0.0010**
80726-OFD-LRP-04 *321817217-0004*	WP081A PM Launch Ramp Turnaround	1948.50	0.2060	5	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
80726-OFD-LRP-FB1 *321817217-0005*	Field blank 1	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
80726-OFD-LRP-FB2 *321817217-0006*	Field blank 2	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**

Analyst(s)
Kyeong Corbin (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA

Initial Report From: 07/31/2018 15:04:00