Prepared for:

Mr. George Onorato
GEI Consultants Inc.
1070 Wigwam Parkway
Henderson, Nevada 89074

Air Monitoring and Contractor Oversight
BMI Beta/Northwest Ditch Excavation Project
Titanium Metals Corporation (TIMET)
181 North Water Street
Henderson, Nevada.

Prepared by:

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November 12, 2013

Project No. 12-01-107-901

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Mr. George Onorato
GEI Consultants Inc.
1070 Wigwam Parkway
Henderson, Nevada 89074

Re: Air Monitoring and Contractor Oversight, BMI Beta/Northwest Ditch Excavation Project, Titanium Metals Corporation, Henderson, Nevada.

Dear Mr. Onorato:

Please find attached the report entitled *Air Monitoring and Contractor Oversight, BMI Beta/Northwest Ditch Excavation, Titanium Metals Corporation, Henderson, Nevada.* This report includes a description of the activities performed and results obtained during the inspection.

Should you have questions or if we can assist you further, please do not hesitate to contact us.

Sincerely,
BROADBENT & ASSOCIATES, INC.

Ryan C. Jones, IJPM-1189
Nevada Asbestos Abatement Consultant

Table of Contents

List of Drawings

List of Tables

List of Appendices

1.0 Introduction

Broadbent & Associates, Inc. (Broadbent) personnel performed air monitoring and contractor oversight during the excavation of asbestos-contaminated soil contained in the BMI Beta/Northwest Ditch project area at the Titanium Metals Corporation (TIMET) facility in Henderson, Nevada (Property). Excavation of the asbestos-containing soil occurred between the dates of August 12, 2013 and September 19, 2013. The purpose of the air monitoring and contractor oversight was to assist in protecting site workers and the general public from hazards associated with the excavation, handling, storage, transportation, and disposal of soils containing asbestos fibers, which were encountered during excavation activities. Asbestos-containing material (ACM) excavation areas were delineated prior to work activities by GEI Consultants Inc. (GEI) using a previous asbestos survey. The survey identified ACM debris within the BMI Beta/Northwest Ditch project area at the surface and shallow soil sub-surface. Drawing 1, attached, shows the ACM excavation areas.

ACM excavation activities were performed by Walker Specialty Services (Walker), a licensed asbestos abatement contractor in the State of Nevada. Envirocon, an environmental remediation company, performed excavation in areas designated by GEI to be "Non-ACM" areas. Mr. Ryan Jones and Mr. Jeremy Holst, licensed asbestos consultants in the State of Nevada, performed contractor oversight during the ACM excavation activities. Mr. Kyle Virva, a licensed asbestos inspector in the State of Nevada, performed excavation oversight in the "Non-ACM" areas. Copies of State of Nevada Asbestos Abatement Consultant Licenses are presented in Appendix A.

2.0 Summary of Health Hazards

Asbestos is a general name for fibrous varieties of a number of rock-forming hydrated mineral silicates including chrysotile, amosite (grunerite/cummingtonite), crocidolite, tremolite, anthophyllite, and actinolite. Asbestos has been used in manufacturing processes of various building materials including ceiling tile, ventilation duct wrap, sprayed or troweled-on fireproofing materials, cementitious building materials, wallboard, roofing materials, and decorative coverings on ceilings and other surfaces.

Asbestos, a fibrous particulate material, may enter the human body by inhalation or ingestion. Inhalation is the route of entry of primary concern in the occupational environment. Asbestos causes asbestosis, cancer of the lungs and digestive tract, and mesothelioma. Asbestosis is a lung disorder characterized by diffuse interstitial fibrosis and, at times, calcification. Asbestosis is a progressive condition which may not become evident until 20 to 40 years after the first known exposure to asbestos. Bronchogenic carcinoma and mesothelioma of the pleura and peritoneum are associated with asbestos exposure. Cancer of the stomach, colon, and rectum has also been observed in the exposed worker populations.

The United States Environmental Protection Agency (EPA) defines friable asbestos in the Code of Federal Regulations (CFR), Title 40-Protection of Environment, Subpart M-*National Emission Standard for Asbestos*, Section 61.141 as "any material containing more than 1 percent asbestos...that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure."

3.0 Scope of Work Summary

According to representatives from TIMET, adjoining industrial facilities (upgradient) historically used bulk/process asbestos as a thermal insulator and disposed of these materials in the BMI Beta/Northwest Ditch. Based on this information, the ACM excavation was considered to be Occupational Safety and Health Administration (OSHA) Class I work. OSHA Class I work is defined as "activities involving the removal of thermal system insulation (TSI) and surfacing ACM and presumed asbestos containing materials (PACM)." ACM excavation activities were performed in accordance with the work plan submitted by TIMET/GEI and approved by the Nevada Division of Environmental Protection (NDEP) and Clark County Department of Air Quality (CCDAQ). Broadbent performed the following activities during ACM excavation activities:

- Performed contractor oversight within "ACM" and "Non-ACM" areas during excavation.
- Performed perimeter and personal air sampling (Broadbent employees only) for asbestos fiber analysis at the project site.
- Submitted air samples to a Nevada-certified laboratory for asbestos airborne fibers via Phase Contrast Microscopy (PCM) analysis (NIOSH 7400 Method).
- Performed bulk asbestos sampling of suspect ACM at the project site (as needed).
- Submitted bulk asbestos samples to a National Voluntary Laboratory Accreditation Program (NVLAP) laboratory for bulk asbestos fibers via Polarized Light Microscopy (PLM) analysis (EPA Method 600/R-93/116).
- Performed a visual inspection of each area following excavation activities for the presence of visually identifiable ACM.
- Prepared daily field reports.

4.0 Suspect ACM Bulk Sampling

Suspect ACM was identified and sampled during excavation activities. A total of 24 bulk samples were collected within the excavation areas. The samples were submitted under chain-of-custody procedures to EMLab P&K (EMLab) located in Las Vegas, Nevada. Each sample was analyzed by PLM with dispersion staining using the EPA Method EPA 600/R-93/116. Analytical procedures were performed in a laboratory which participates in the NVLAP. The purpose of the sampling was to evaluate suspect materials, observed during excavation activities, for the presence of asbestos. Several samples were collected at the request of Mr. Larry Parks with CCDAQ.

Chrysotile asbestos was reported in five of the 24 bulk samples collected. Materials reported to contain asbestos in concentrations greater than 1% included a gasket (brown), fabric (brown/gray), and a soil layer (gray). The gray soil layer served as an identifiable marker during excavation activities. These materials were excavated by Walker and disposed of in accordance with applicable regulations and the NDEP/CCDAQ-approved work plan. Table 1, attached, presents the suspect ACM sampling results. The laboratory reports and chains-of-custody are provided as Appendix B.

5.0 Air Monitoring Activities

This section describes air monitoring procedures performed and the results observed during ACM excavation activities.

5.1 Personal Air Monitoring Procedures and Results

Personal air monitoring samples were collected from the breathing zone of select Broadbent employees. Results were compared to the OSHA Permissible Exposure Limit (PEL) of 0.1 fibers per cubic centimeter (f/cc) as an eight hour time weighted average (TWA) and 30-Minute Excursion Limit (EL) of 1.0 f/cc. During ACM excavation, a battery operated personal air pump was placed on select workers. Flow rates of 2.07 and 2.08 liters of air per minute were utilized. The air was drawn through 25-millimeter mixed cellulose ester filter membranes as specified in OSHA 29 CFR 1926.1101, Appendix A. Collected air samples were analyzed by an accredited laboratory using PCM analysis. The samples were delivered, under chain-of-custody procedures, to Forensic Analytical in Las Vegas, Nevada, and analyzed for airborne fibers by the NIOSH 7400 Method. Walker performed personal air monitoring for abatement workers during ACM excavation.

Analytical results for the personal air monitoring indicated worker fiber exposures below the OSHA 8-Hour TWA PEL of 0.1 f/cc and the EL of 1.0 f/cc. Table 2, attached, depicts the results of perimeter and personal air monitoring performed during ACM excavation. Laboratory reports generated by Forensic Analytical Laboratories for the perimeter and personal air monitoring are attached in Appendix B.

5.2 Perimeter Air Monitoring Procedures and Results

Perimeter air samples were collected from four GEI-designated air stations located near the margins of the Property. Sample Station 1 was located on the northeast corner; Sample Station 2 was located on the eastern margin; Sample Station 3 was located on the southwestern margin; and Sample Station 4 was located on the northwestern corner of the Property. Additional perimeter air samples were collected from areas adjoining ACM excavation zones and load-out areas. The samples were collected during ACM excavation activities to evaluate engineering control effectiveness. Air samples were set up at a height of approximately 5 feet above ground surface. Flow rates of between 1.59 to 4.15 liters of air per minute were achieved utilizing battery operated air pumps. The air was drawn through 25-millimeter mixed cellulose ester filter membranes as specified in OSHA 29 CFR 1926.1101, Appendix A. The samples were delivered, under chain-of-custody procedures, to Forensic Analytical Laboratories in Las Vegas, Nevada, and analyzed for airborne fibers by the NIOSH 7400 Method.

Analytical results for the air monitoring samples were below the applicable OSHA permissible exposure limit of 0.1 f/cc. Table 2, attached, depicts the results of perimeter and personal air monitoring performed during ACM excavation. Laboratory reports generated by Forensic Analytical Laboratories for the perimeter and personal air monitoring are attached in Appendix B.

5.3 Final Visual Clearance Procedures

Broadbent performed final visual inspections for each ACM excavation area. The purpose of the final visual inspections was to identify visible ACM debris and/or suspect ACM. In the event that suspect ACM was identified, Broadbent collected bulk samples for PLM analysis. If visible ACM debris was identified, the material was excavated and disposed of as ACM, in accordance with applicable regulations. The ACM areas were "cleared" once the remaining visible ACM was excavated or the excavation was to grade, in accordance with the NDEP/CCDAQ-approved work plan.

6.0 Summary

Broadbent performed air monitoring and contractor oversight during the excavation of asbestos-contaminated soil associated with the BMI Beta/Northwest Ditch project area located at the TIMET Facility. Excavation of the asbestos-containing soil occurred between the dates of August 12, 2013 and September 19, 2013. The purpose of the air monitoring and contractor oversight was to assist in protecting site workers and the general public from hazards associated with the excavation, handling, storage, transportation, and disposal of soils containing asbestos fibers, which were encountered during excavation activities.

ACM excavation activities were performed by Walker, a licensed asbestos abatement contractor in the State of Nevada. The ACM excavation was considered to be OSHA Class I work. ACM excavation activities were performed in accordance with the work plan submitted by TIMET/GEI and approved by the NDEP and CCDAQ.

Suspect ACM was identified and sampled during excavation activities. Chrysotile asbestos was reported in five of the 24 bulk samples collected. Materials reported to contain asbestos in concentrations greater than 1% included a gasket (brown), fabric (brown/gray), and a soil layer (gray). These materials were excavated by Walker and disposed of in accordance with applicable regulations and the NDEP/CCDAQ-approved work plan.

Personal air monitoring samples were collected from the breathing zone of select Broadbent employees. Analytical results for the Broadbent personal air monitoring indicated worker fiber exposures below the OSHA 8-Hour TWA PEL of 0.1 f/cc and the EL of 1.0 f/cc.

Perimeter air samples were collected from four GEI-designated air stations located near the margins of the Property. Additional perimeter air samples were collected from areas adjoining ACM excavation zones and load-out areas. The samples were collected during ACM excavation activities to evaluate engineering control effectiveness. Analytical results for the air monitoring samples were below the applicable OSHA permissible exposure limit of 0.1 f/cc.

Broadbent performed final visual inspections for each ACM excavation area. The ACM areas were "cleared" once the remaining visible ACM was excavated or the excavation was to grade, in accordance with the NDEP/CCDAQ-approved work plan.

7.0 Closure

This report has been prepared for the exclusive use of GEI Consultants Inc. and Titanium Metals Corporation. The conclusions presented in this report are based on the observations of our field personnel, the points investigated, and information provided by GEI Consultants Inc, Forensic Analytical Laboratories, and EMLab in Las Vegas, Nevada. Our services were performed in accordance with generally accepted standards of practice at the time this report was written. No warranty or guarantee of Property conditions is intended.

TABLES

Table 1
TIMET - BMI Beta/Northwest Ditch Excavation Project
Suspect ACM Sampling Results

Sample ID	Sample Location	General Material Description as Observed During Sampling	Layer	Sample Description by Layer as Provided by Laboratory	Results	Friable Y/N
B-001	Area 2	Electrical Insulator (Brown/White)	1	Non-fibrous Material (Brown/White)	ND	N
			2	Dust (Brown)	ND	
B-002	Southwest of Area 3	Gasket (Brown)	1	Gasket (Brown)	70% Chrysotile	Y
B-003	Area 2	Insulation (Beige/Yellow)	1	Non-fibrous Material (Yellow)	ND	Y
B-004	Area 2	Roof Material (Brown/Off-white)	1	Coating (Off-white)	ND	Y
			2	Roofing Material (Brown)	ND	
B-005	Outside Area 2	Pipe Fabric (Gray)	1	Fibrous Material (Gray)	ND	Y
B-006	Area 3	Fire Block (Off-white/Yellow)	1	Block (Yellow)	ND	Y
B-007	Southwest of Area 3	Gasket (Black)	1	Gasket (Black)	ND	N
B-008	Area 3	Large Foundation Block (Beige/White)	1	Block (White)	ND	Y
B-009	Area 3	Large Foundation Block	1	Block (Beige)	ND	N
B-010	Area 3	Thin Block (Beige)	1	Block (Beige)	ND	Y
B-011	Area 3	Thin Block (Yellow)	1	Block (Yellow)	ND	N
B-012	Area 4	Layered Material (White)	1	Cementitious Material (White)	ND	Y
			2	Cementitious Material (Gray)	ND	
B-013	Area 4	Layered Material (Grey)	1	Cementitious Material (White)	ND	Y
			2	Cementitious Material (Gray)	ND	
B-014	Area 4	Fabric Material (Brown)	1	Non-fibrous Material (Brown)	ND	Y
			2	Powdery Material (Black)	ND	
B-015	Area 5 - West	Powdery Material (White/Brown)	1	Debris (Brown)	ND	Y
B-016	Area 5 - West	Fabric (Brown)	1	Fibrous Material (Black)	85% Chrysotile	Y
B-017	Area 5 - West	Fabric (Brown/Gray)	1	Fibrous Material (Brown)	85% Chrysotile	Y
B-018	Area 5 - West (Near	Mastic (Black)	1	Mastic (Black)	ND	N
B-019	Area E - South Wall	Brick/Grout (White)	1	Brick (White)	ND	N
			2	Grout (Off-white)	ND	
B-020	Area E - South Wall	Flat Stone (White)	1	Cementitious Material (White)	ND	N
B-021	Area E - North Wall	Soil Layer (Gray)	1	Debris (Gray)	3% Chrysotile	Y
B-022	Area E - North Wall	Soil Layer (Gray)	1	Semi-fibrous Material (Gray/White)	10% Chrysotile	Y
B-025	Area 5 - Weir	Fibrous Material (Black)	1	Fibrous Material (Black)	ND	Y
T-H1-1	Area 5 - East of Weir	Hourglass-shaped Debris (Off-white)	1	Non-fibrous Material (Off-white)	ND	N

ND - No fibers were detected

Table 2
TIMET - BMI Beta/Northwest Ditch Excavation Project
Perimeter and Personal Air Monitoring Results

Date	Sample ID	Type	Location	Flow (LPM)	Volume (Liters)	Results (f/cc)
8/12/2013	PA-01	Area	Sample Station 2	2.12	733.5	<0.004
	PA-02	Area	Sample Station 1	2.11	709.0	<0.004
	PA-03	Area	Sample Station 3	2.09	595.7	<0.005
	PA-04	Area	Sample Station 4	2.21	720.5	<0.004
8/13/2013	PA-05	Area	Sample Station 2	2.18	1,312.4	<0.002
	PA-06	Area	Sample Station 3	2.09	1,210.1	<0.002
	PA-07	Area	Sample Station 1	2.11	1,251.2	<0.002
	PA-08	Area	Sample Station 4	2.21	1,306.1	0.002
	PA-09	Area	1st Excavation (SE) - North	4.15	2,236.9	<0.001
	PA-10	Area	1st Excavation (SE) - South	4.08	2,178.7	<0.001
	FB-11	Blank	Field Blank	NA	0.0	NA
	LB-12	Blank	Laboratory Blank	NA	0.0	NA
8/14/2013	PA-13	Area	Sample Station 13	2.18	1,308.0	<0.002
	PA-14	Area	Sample Station 14	2.19	1,314.0	0.002
	PA-15	Area	Sample Station 15	2.21	1,326.0	<0.002
	PA-16	Area	Sample Station 16	2.09	1,254.0	<0.002
	LB-17	Blank	Laboratory Blank	NA	0.0	NA
8/15/2013	PA-18	Area	Sample Station 1	2.06	1,260.7	<0.002
	PA-19	Area	Sample Station 4	2.10	1,278.9	<0.002
	PA-20	Area	North of Area 2	2.08	1,185.6	0.002
	PA-21	Area	Sample Station 3	2.11	1,164.7	<0.002
	PA-22	Area	Sample Station 2	2.04	1,113.8	<0.002
	PA-23	Area	Loading - Area 2	2.07	1,115.7	0.003
	LB-24	Blank	Laboratory Blank	NA	0.0	NA
8/16/2013	PA-26	Area	Scaffolding - Loading Area	2.11	1,310.3	<0.002
	PA-27	Area	Sample Station 1	2.17	1,347.6	<0.002
	PA-28	Area	Sample Station 2	NA	0.0	Damaged - Not Analyzed
	PA-29	Area	Sample Station 3	2.08	1293.8	<0.002
	PA-30	Area	Sample Station 4	2.04	1,240.3	<0.002
	PA-31	Personal	Personal Sample - RCJ	2.07	1,186.1	0.012
	PA-32	Area	South of Area 3	NA	0.0	Damaged - Not Analyzed
	FB-33	Blank	Laboratory Blank	NA	0.0	NA
8/19/2013	PA-33	Area	Sample Station 1	2.11	1,274.4	<0.002
	PA-34	Area	Sample Station 2	2.04	1,222.0	<0.002
	PA-35	Area	Sample Station 3	2.06	1,240.1	<0.002
	PA-36	Area	Sample Station 4	2.10	1,325.1	<0.002
	PA-37	Area	Loading Scaffolding - Area 3	2.08	1,221.0	0.002
	LB-38	Blank	Laboratory Blank	NA	0.0	NA
8/20/2013	PA-39	Area	Sample Station 3	2.04	1,348.4	<0.002
	PA-40	Area	Sample Station 4	2.12	1,380.1	<0.002
	PA-41	Area	Loading Scaffolding - Area 3	2.10	1,308.3	<0.002
	PA-42	Area	West of Area 3	NA	NA	Pump Overheated - Not Submitted
	PA-43	Area	Sample Station 1	2.11	1,344.1	<0.002
	PA-44	Area	Sample Station 2	NA	NA	Pump Overheated - Not Submitted
	PA-45	Area	South of Area 3	2.17	1,343.2	<0.002
	PA-46	Area	West of Area 4	2.08	1,254.2	<0.002
	FB-47	Blank	Field Blank	NA	0.0	NA
	LB-48	Blank	Laboratory Blank	NA	0.0	NA
8/21/2013	PA-49	Area	Northeast of Area 5	2.09	1,231.0	0.003
	PA-50	Area	Load-out Scaffolding - Area 5	2.12	1,248.7	0.003
	PA-51	Area	Liner Scaffolding - Area 5	2.17	1,241.2	0.002
	PA-52	Area	Sample Station 1	2.10	1,152.9	<0.002
	PA-53	Area	Sample Station 3	2.10	1,148.7	<0.002
	PA-54	Area	Sample Station 2	2.04	1,173.0	0.003
	PA-55	Area	Sample Station 4	NA	0.0	Pump Overheated - Not Submitted
	LB-56	Blank	Laboratory Blank	NA	0.0	NA

Date	Sample ID	Type	Location	Flow (LPM)	Volume (Liters)	Results (f/cc)
8/22/2013	PA-57	Area	Sample Station 1	2.10	1,396.5	<0.002
	PA-58	Area	Sample Station 2	2.04	1368.8	0.003
	PA-59	Area	Scaffold - Area 5	2.17	1443.1	0.002
	PA-60	Area	Sample Station 3	2.09	1302.1	0.003
	PA-61	Area	East of Area 5	2.12	1403.4	<0.002
	PA-62	Area	East of Area 5	2.10	1068.9	<0.002
	LB-63	Blank	Laboratory Blank	NA	0.0	NA
	FB-54	Blank	Field Blank	NA	0.0	NA
8/23/2013	PA-65	Area	Sample Station 1	2.03	1,339.0	0.003
	PA-66	Area	Sample Station 2	2.15	1,415.0	<0.002
	PA-67	Area	Sample Station 2	2.06	1,353.0	<0.002
	PA-68	Area	Sample Station 4	2.07	1,310.0	<0.002
	LB-69	Blank	Laboratory Blank	NA	0.0	NA
	PA-69	Area	Excavation Area Scaffolding Line	2.10	1,308.0	<0.002
	PA-70	Area	Excavation Area Scaffolding Line	2.08	1,281.0	<0.002
	PA-71	Area	Excavation Area South	2.04	1,244.0	<0.002
8/24/2013	PA-72	Area	Sample Station 1	2.06	626.0	<0.004
	PA-73	Area	Sample Station 2	2.06	622.0	<0.004
	PA-74	Area	Sample Station 3	2.15	636.0	<0.004
	PA-75	Area	Sample Station 4	2.04	557.0	<0.005
	PA-76	Area	Excavation 5 - North Side	2.01	543.0	<0.005
	PA-77	Area	Excavation 5 - Scaffolding	2.26	565.0	<0.005
	PA-78	Area	Excavation 5 - Scaffolding	2.27	563.0	0.005
	LB-79	Blank	Laboratory Blank	NA	0.0	NA
8/27/2013	PA-80	Area	Sample Station 3	2.14	1,341.8	<0.002
	LB-81	Blank	Laboratory Blank	NA	0.0	NA
	PA-82	Area	Sample Station 2	2.02	1,256.4	<0.002
	PA-83	Area	Sample Station 1	2.06	1,264.8	<0.002
	PA-84	Area	Sample Station 4	2.10	1,333.5	<0.002
	PA-85	Area	North of Area E	2.03	1,283.0	<0.002
	PA-86	Area	East of Area E	2.20	1,328.8	<0.003
	FB-87	Blank	Field Blank	NA	0.0	NA
8/28/2013	PA-88	Area	Sample Location 2	2.02	1,272.6	0.002
	PA-89	Area	Sample Location 1	2.14	1,174.9	<0.002
	PA-90	Area	North of Area 5	2.06	1,110.3	<0.002
	PA-91	Area	Load-out Scaffolding - Area 5	2.04	1,109.8	0.005
	PA-92	Area	Sample Station 4	1.74	934.4	0.003
	LB-93	Blank	Laboratory Blank	NA	0.0	NA
8/29/2013	PA-94	Area	Sample Station 2	2.14	1,281.9	0.002
	PA-95	Area	Sample Station 1	2.10	1,253.7	0.002
	PA-96	Area	Sample Station 4	2.07	1,239.9	0.002
	PA-97	Area	Scaffold - Load-out	2.02	1,193.8	0.002
	LB-98	Blank	Laboratory Blank	NA	0.0	NA
8/30/2013	PA-99	Area	Sample Station 3	2.10	1,050.0	0.003
	PA-100	Area	Sample Station 2	2.02	1,003.9	<0.003
	LB-101	Blank	Laboratory Blank	NA	0.0	NA
9/3/2013	PA-102	Area	Sample Station 3	2.14	1,361.0	<0.002
	PA-103	Area	Sample Station 2	2.10	1,308.3	<0.002
	PA-104	Area	Sample Station 1	2.02	1,278.7	<0.002
	PA-105	Area	Sample Station 4	2.07	1,291.7	<0.002

Date	Sample ID	Type	Location	Flow (LPM)	Volume (Liters)	Results (f/cc)
9/4/2013	PA-106	Area	Sample Station 3	2.10	1,278.9	<0.002
	PA-107	Area	Sample Station 2	2.07	1,256.5	0.002
	PA-108	Area	Sample Station 1	2.14	1,284.0	0.002
	PA-109	Area	Sample Station 4	2.02	1,191.8	<0.002
	PA-110	Area	Personal Sample - Kyle	2.08	1,187.7	0.003
	PA-111	Area	Scaffolding - Load-out (Area 6)	1.59	911.1	0.006
	PA-112	Blank	Laboratory Blank	NA	0.0	NA
9/5/2013	PA-113	Area	Sample Station 3	2.07	1,353.8	<0.002
	PA-114	Area	Sample Station 2	2.02	1,321.1	<0.002
	PA-115	Area	Sample Station 1	2.10	1,348.2	<0.002
	PA-116	Area	Sample Station 4	2.14	1,358.9	<0.002
	PA-117	Area	Scaffold - Loading Area	2.08	1,241.8	<0.002
	LB-118	Blank	Laboratory Blank	NA	0.0	NA
9/6/2013	PA-119	Area	Sample Sation 3	2.07	1,051.6	0.004
	PA-120	Area	Sample Station 2	2.10	1,104.6	<0.003
	PA-121	Area	Sample Station 1	2.02	989.8	0.003
	PA-122	Area	Area 3 - Load-out	2.08	1,075.4	<0.002
	PA-123	Area	Sample Station 4	2.14	1,129.9	<0.003
9/12/2013	PA-124	Area	West of Area 6 - Load-out	2.08	1,243.8	<0.002
	PA-125	Area	Scaffolding - Area 6 (South)	2.14	1,243.3	0.005
	PA-126	Area	Scaffolding - Area 6 (North)	2.10	1,201.2	<0.002
	PA-127	Area	Sample Station 1	2.07	1,196.5	<0.002
	LB-128	Blank	Laboratory Blank	NA	0.0	NA
9/13/2013	PA-129	Area	Sample Station 1	2.13	1,410.0	<0.002
	PA-130	Area	Sample Station 2	2.10	1,376.0	<0.002
	PA-131	Area	Sample Station 3	2.05	1,324.0	<0.002
	PA-132	Area	Sample Station 4	2.06	1,329.0	<0.002
	PA-133	Area	Scaffolding - Load-out (Area 1)	2.10	1,275.0	<0.002
	PA-134	Area	Scaffolding - Load-out (Area 2)	2.07	1,269.0	<0.002
	LB-135	Blank	Laboratory Blank	NA	0.0	NA
9/14/2013	PA-136	Area	Sample Station 1	2.16	1,430.0	<0.002
	PA-137	Area	Sample Station 2	2.10	1,384.0	0.002
	PA-138	Area	Sample Station 3	2.02	1,327.0	<0.002
	PA-139	Area	Sample Station 4	2.06	1,347.0	<0.002
	LB-140	Blank	Laboratory Blank	NA	0.0	NA
	PA-140	Area	Area 1 - Fence	2.25	1,170.0	0.003
	PA-141	Area	Area 1 - East Trees	2.21	1,134.0	<0.002
	PA-142	Area	Area 1 - TMP Snow Fencing	2.15	1,071.0	<0.003
9/16/2013	PA-143	Area	Sample Station 3	2.10	1,295.7	<0.002
	PA-144	Area	West of Area F	2.07	1,248.2	<0.002
	PA-145	Area	Sample Station 4	2.14	1,254.0	0.002
	PA-146	Area	Scaffolding - Area 6	2.08	1,229.3	0.004

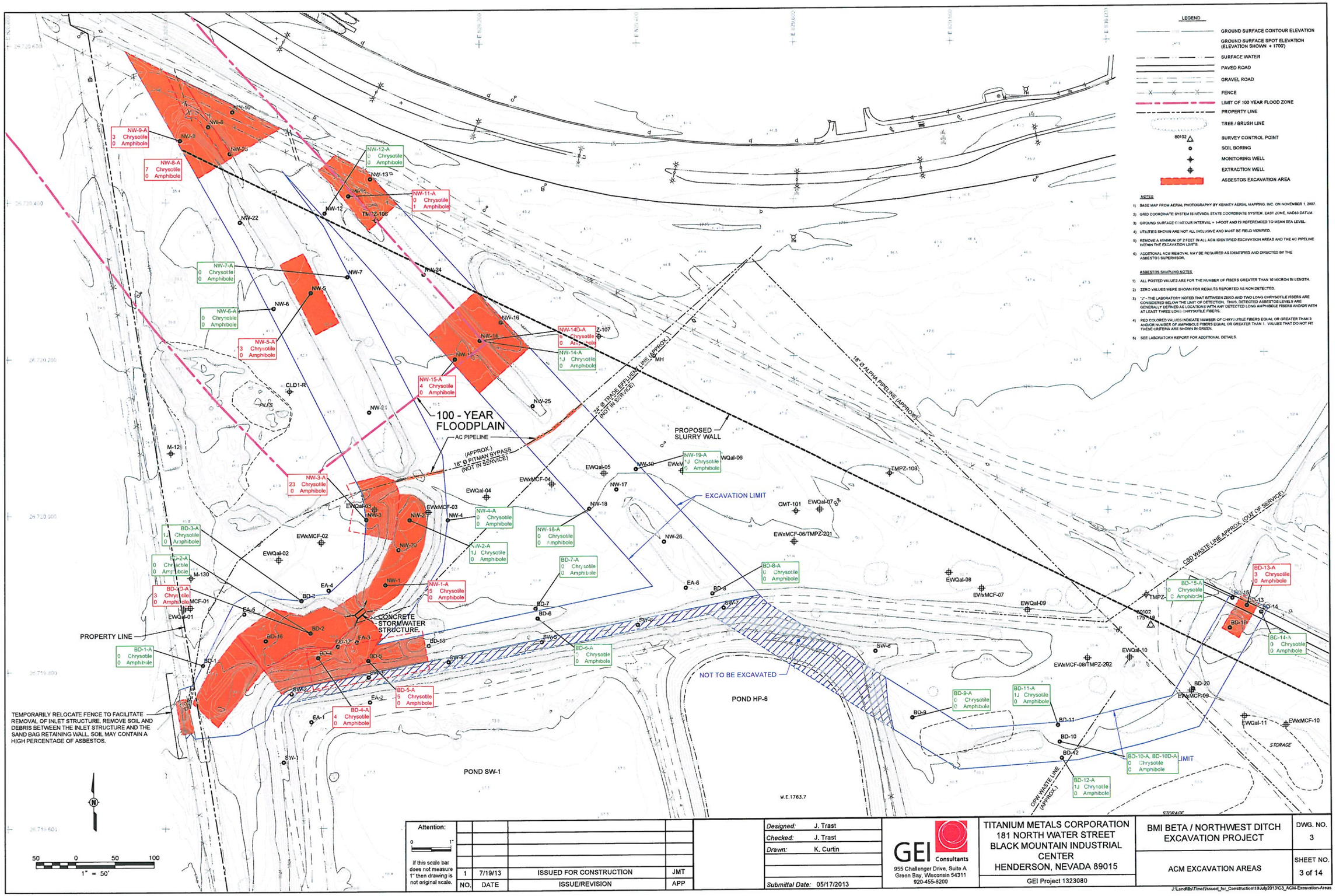
ID - Identification

LPM - Liters per Minute

f/cc - fibers per cubic centimeter

NA - Not applicable

DRAWINGS



Attention:				
0 1"				
If this scale bar does not measure 1" then drawing is not original scale.				
	1	7/19/13	ISSUED FOR CONSTRUCTION	JMT
	NO.	DATE	ISSUE/REVISION	APP

Designed: J. Trast
Checked: J. Trast
Drawn: K. Curtin
Submittal Date: 05/17/2013

GEI Consultants
955 Challenger Drive, Suite A
Green Bay, Wisconsin 54311
920-455-9200

TITANIUM METALS CORPORATION
181 NORTH WATER STREET
BLACK MOUNTAIN INDUSTRIAL CENTER
HENDERSON, NEVADA 89015
GEI Project 1323080

BMI BETA / NORTHWEST DITCH EXCAVATION PROJECT

ACM EXCAVATION AREAS

DWG. NO. 3

SHEET NO. 3 of 14

J:\Landfills\Titan\Issued_for_Construction\19July2013\C3_ACM-Excavation-Areas

APPENDIX A

STATE OF NEVADA ASBESTOS ABATEMENT CONSULTANT LICENSES

STATE OF NEVADA
DEPARTMENT OF BUSINESS AND INDUSTRY
DIVISION OF INDUSTRIAL RELATIONS
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

ASBESTOS CONTROL PROGRAM

DATE 07/17/13	LICENSE NO. IJM-1189

THE ASBESTOS ABATEMENT CONSULTANT NAMED BELOW IS LICENSED UNDER THE PROVISIONS OF CHAPTER 618 OF N.R.S. AND N.A.C. THIS LICENSE EXPIRES ON 07/17/14

Ryan Christopher Jones
Broadbent & Associates
8 West Pacific Avenue
Henderson, NV 89015

DATE: 07/17/13
LICENSE NO: IJM-1189
INSPECTOR
MANAGEMENT PLANNER
PROJECT MONITOR

Ryan C. Jones
Signature

[Wallet Card – Fold Here]

STATE OF NEVADA
DEPARTMENT OF BUSINESS AND INDUSTRY
DIVISION OF INDUSTRIAL RELATIONS
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

ASBESTOS ABATEMENT CONSULTANT
Ryan Christopher Jones
Broadbent & Associates

HAS PAID THE FEE REQUIRD BY CHAPTER 618 OF N.AC.07/17/14

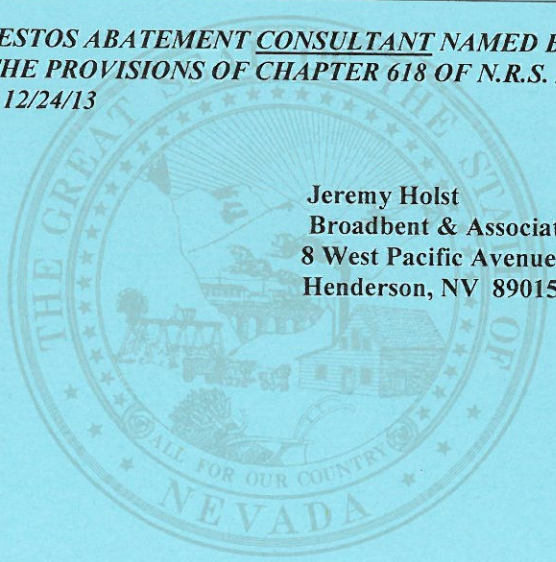
(NSPO Rev. 2-06) (O) 3656

STATE OF NEVADA
DEPARTMENT OF BUSINESS AND INDUSTRY
DIVISION OF INDUSTRIAL RELATIONS
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

ASBESTOS CONTROL PROGRAM

DATE 12/24/12	LICENSE NO. IJM-1559

THE ASBESTOS ABATEMENT CONSULTANT NAMED BELOW IS LICENSED UNDER THE PROVISIONS OF CHAPTER 618 OF N.R.S. AND N.A.C. THIS LICENSE EXPIRES 12/24/13



Jeremy Holst
Broadbent & Associates Inc
8 West Pacific Avenue
Henderson, NV 89015

STATE OF NEVADA
DEPARTMENT OF BUSINESS AND INDUSTRY
DIVISION OF INDUSTRIAL RELATIONS
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

ASBESTOS CONTROL PROGRAM

DATE 02/11/13	LICENSE NO. I-1672

THE ASBESTOS ABATEMENT CONSULTANT NAMED BELOW IS LICENSED UNDER THE PROVISIONS OF CHAPTER 618 OF N.R.S. AND N.A.C. THIS LICENSE EXPIRES 02/11/14

Kyle Virva
Broadbent & Associates
8 West Pacific Avenue
Henderson, NV 89015

APPENDIX B

LABORATORY ANALYTICAL RESULTS AND CHAINS-OF-CUSTODY

EMLab P&K
A TestAmerica Company

Report for:

Mr. Ryan Jones
Broadbent & Associates, Inc.
8 W Pacific Ave
Henderson, NV 89015

Regarding: Project: 12-01-107-901; TIMET-Beta Ditch
EML ID: 1103023

Approved by:

Approved Signatory
Sandar Hein

Dates of Analysis:
Asbestos-EPA Method 600/R-93/116: 08-21-2013

Service SOPs: Asbestos-EPA Method 600/R-93/116 (EPA-600/M4-82-020 (SOP 01267))

EMLab P&K
6000 S. Eastern Ave, Suite 5E, Las Vegas, NV 89119
702-467-8592 Fax 650-829-5852 www.emlab.com

Client: Broadbent & Associates, Inc.
C/O: Mr. Ryan Jones
Re: 12-01-107-901; TIMET-Beta Ditch

Date of Sampling: 08-20-2013
Date of Receipt: 08-21-2013
Date of Report: 08-21-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted:	14
Total Samples Analysed:	14
Total Samples with Layer Asbestos Content > 1%:	1

Location: B-001, Electrical Insulator (Brown / White) Lab ID-Version‡: 4975173-1

Sample Layers	Asbestos Content
Brown/White Non-Fibrous Material (Electrical insulator)	ND
Brown Dust	ND
Sample Composite Homogeneity:	Good

Location: B-002, Gasket (Brown) Lab ID-Version‡: 4975174-1

Sample Layers	Asbestos Content
Brown Gasket	70% Chrysotile
Sample Composite Homogeneity:	Good

Location: B-003, Insulstrip (Beige / Yellow) Lab ID-Version‡: 4975175-1

Sample Layers	Asbestos Content
Yellow Non-Fibrous Material	ND
Sample Composite Homogeneity:	Good

Location: B-004, Roof material (Brown / Off-White) Lab ID-Version‡: 4975176-1

Sample Layers	Asbestos Content
Off-White Coating	ND
Brown Roofing Material	ND
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab P&K
6000 S. Eastern Ave, Suite 5E, Las Vegas, NV 89119
702-467-8592 Fax 650-829-5852 www.emlab.com

Client: Broadbent & Associates, Inc.
C/O: Mr. Ryan Jones
Re: 12-01-107-901; TIMET-Beta Ditch

Date of Sampling: 08-20-2013
Date of Receipt: 08-21-2013
Date of Report: 08-21-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: B-005, Pipe fabric (Gray) Lab ID-Version‡: 4975177-1

Sample Layers	Asbestos Content
Gray Fibrous Material	ND
Composite Non-Asbestos Content:	95% Cellulose
Sample Composite Homogeneity:	Good

Location: B-006, Fire block (Off-White/Yellow) Lab ID-Version‡: 4975178-1

Sample Layers	Asbestos Content
Yellow Block	ND
Sample Composite Homogeneity:	Good

Location: B-007, Gasket (Black) Lab ID-Version‡: 4975179-1

Sample Layers	Asbestos Content
Black Gasket	ND
Sample Composite Homogeneity:	Good

Location: B-008, Large foundation block (Beige / White) Lab ID-Version‡: 4975180-1

Sample Layers	Asbestos Content
White Block	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab P&K
6000 S. Eastern Ave, Suite 5E, Las Vegas, NV 89119
702-467-8592 Fax 650-829-5852 www.emlab.com

Client: Broadbent & Associates, Inc.
C/O: Mr. Ryan Jones
Re: 12-01-107-901; TIMET-Beta Ditch

Date of Sampling: 08-20-2013
Date of Receipt: 08-21-2013
Date of Report: 08-21-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: B-009, Large foundation block (Beige / Orange) Lab ID-Version‡: 4975181-1

Sample Layers	Asbestos Content
Beige Block	ND
Sample Composite Homogeneity:	Good

Location: B-010, Thick block (Beige) Lab ID-Version‡: 4975182-1

Sample Layers	Asbestos Content
Beige Block	ND
Sample Composite Homogeneity:	Good

Location: B-011, Thick block (Yellow) Lab ID-Version‡: 4975183-1

Sample Layers	Asbestos Content
Yellow Block	ND
Sample Composite Homogeneity:	Good

Location: B-012, Layered material (White) Lab ID-Version‡: 4975184-1

Sample Layers	Asbestos Content
White Cementitious Material	ND
Gray Cementitious Material	ND
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab P&K
6000 S. Eastern Ave, Suite 5E, Las Vegas, NV 89119
702-467-8592 Fax 650-829-5852 www.emlab.com

Client: Broadbent & Associates, Inc.
C/O: Mr. Ryan Jones
Re: 12-01-107-901; TIMET-Beta Ditch

Date of Sampling: 08-20-2013
Date of Receipt: 08-21-2013
Date of Report: 08-21-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: B-013, Layered material (Gray)

Lab ID-Version‡: 4975185-1

Sample Layers	Asbestos Content
White Cementitious Material	ND
Gray Cementitious Material	ND
Sample Composite Homogeneity:	Moderate

Location: B-014, Fabric material (Brown)

Lab ID-Version‡: 4975186-1

Sample Layers	Asbestos Content
Brown Non-Fibrous Material	ND
Black Powdery Material	ND
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

ASBESTOS BULK SAMPLE DATA SHEET

BROADBENT
8 W. Pacific Avenue
Henderson, NV 89015
PH: (702)563-0600
F: (702)563-0610

Project Name: TIMET - Beta Ditch
Project No.: 12-01-107-901
Project Manager: —
Site Address: TIMET

Sampled by: RCJ
Email: rjones@broadbentinc.com
Date Sampled: 8/20/13
Turn Around Time: Rush - Same Day

Laboratory Notes: EMLab

001103023

Lab ID	Sample ID	Building Number	Sample Location	Sample Description	Quantity (SF/LF/EA/CF)	Friable (Y/N)
	B-001	Beta Ditch	Area 2	Electrical Insulator (Brown/White)		N
	B-002		SW of Area 3	Gasket (Brown)		Y
	B-003		Area 2	Insulation (Beige/Yellow)		Y
	B-004		Area 2	Roof Material (Brown/Off-white)		Y
	B-005		Outside Area 2	Pipe Fabric (Grey)		N
	B-006		Area 3	Fire Block (Off-White/Yellow)		Y
	B-007		SW of Area 3	Gasket (Black)		Y
	B-008		Area 3	Large Foundation Block (Beige/White)		Y
	B-009		Area 3	" (Beige/Orange)		
	B-010		Area 3	Thin Block (Beige)		
	B-011		Area 3	Thin Block (Yellow)		
	B-012		Area 4	Layered Material (White)		
	B-013		↓	↓ (Grey)		
	B-014	↓	↓	Fabric Material (Brown)		↓

CHAIN OF CUSTODY INFORMATION:

Relinquished By: (sign/print)	Company	Date / Time	Received By: (sign/print)	Laboratory
[signature]	BAI	8/20/13 / 1800	[signature] SANDAR HEIN	8/21/13 1005

Quantity
SF-Square Feet
LF-Linear Feet
EA-Each
CF-Cubic Feet

Condition
G-Good
D-Damaged
SD-Significantly Damaged

EMLab P&K
A TestAmerica Company

Report for:

Mr. Ryan Jones
Broadbent & Associates, Inc.
8 W Pacific Ave
Henderson, NV 89015

Regarding: Project: 12-01-107-901; Timet, Beta Ditch
EML ID: 1104014

Approved by:

Approved Signatory
Sandar Hein

Dates of Analysis:
Asbestos-EPA Method 600/R-93/116: 08-22-2013

Service SOPs: Asbestos-EPA Method 600/R-93/116 (EPA-600/M4-82-020 (SOP 01267))

EMLab P&K
6000 S. Eastern Ave, Suite 5E, Las Vegas, NV 89119
702-467-8592 Fax 650-829-5852 www.emlab.com

Client: Broadbent & Associates, Inc.
C/O: Mr. Ryan Jones
Re: 12-01-107-901; Timet, Beta Ditch

Date of Sampling: 08-22-2013
Date of Receipt: 08-22-2013
Date of Report: 08-22-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted:	4
Total Samples Analysed:	4
Total Samples with Layer Asbestos Content > 1%:	2

Location: B-015, Powdery Material Lab ID-Version‡: 4979732-1

Sample Layers	Asbestos Content
Brown Debris	ND
Sample Composite Homogeneity:	Poor

Location: B-016, Fabric Lab ID-Version‡: 4979733-1

Sample Layers	Asbestos Content
Black Fibrous Material	85% Chrysotile
Sample Composite Homogeneity:	Good

Location: B-017, Fabric Lab ID-Version‡: 4979734-1

Sample Layers	Asbestos Content
Brown Fibrous Material	85% Chrysotile
Sample Composite Homogeneity:	Good

Location: B-018, Mastic Lab ID-Version‡: 4979735-1

Sample Layers	Asbestos Content
Black Mastic	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

ASBESTOS BULK SAMPLE DATA SHEET

001104014

BROADBENT
8 W. Pacific Avenue
Henderson, NV 89015
PH: (702)563-0600
F: (702)563-0610

Project Name: TIMET - BETA Ditch
Project No.: 12-01-107-901
Project Manager:
Site Address: TIMET

Sampled by: RCJ
Email: rjones@broadbentinc.com
Date Sampled: 8/22/13
Turn Around Time: Rush - Same Day

EMLAB

Sample ID	Building Location	Floor	Sample Location	Color	Sample Description	Friable (Y/N)	Condition
B-015	BETA Ditch	–	Area 5 - West	White/Brown	Powdery Material		Damaged
B-016	↓	–	↓ ↓	Brown	Fabric		↓
B-017	↓	–	↓ ↓	Brown/Gray	Fabric	Y	↓
B-018	↓	–	Area 5 - West - Near Pipes	Black	Mastic [redacted]	N	Damaged

CHAIN OF CUSTODY INFORMATION:

Relinquished By: (sign/print)	Date / Time		Received By: (sign/print)	Date/Time
Ryan C.J. Ryan C. Jones	8/22/13 1641			

Quantity
SF-Square Feet
LF-Linear Feet
EA-Each
CF-Cubic Feet

Condition
G-Good
D-Damaged
SD-Significantly Damaged

EMLab P&K
A TestAmerica Company

Report for:

Mr. Ryan Jones
Broadbent & Associates, Inc.
8 W Pacific Ave
Henderson, NV 89015

Regarding: Project: 12-01-107-901; TIMET-Beta Ditch
EML ID: 1106470

Approved by:

Approved Signatory
Sandar Hein

Dates of Analysis:
Asbestos-EPA Method 600/R-93/116: 08-28-2013

Service SOPs: Asbestos-EPA Method 600/R-93/116 (EPA-600/M4-82-020 (SOP 01267))

EMLab P&K
6000 S. Eastern Ave, Suite 5E, Las Vegas, NV 89119
702-467-8592 Fax 650-829-5852 www.emlab.com

Client: Broadbent & Associates, Inc.
C/O: Mr. Ryan Jones
Re: 12-01-107-901; TIMET-Beta Ditch

Date of Sampling: 08-28-2013
Date of Receipt: 08-28-2013
Date of Report: 08-28-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted:	4
Total Samples Analysed:	4
Total Samples with Layer Asbestos Content > 1%:	2

Location: B-019, Brick w/ grout Lab ID-Version‡: 4991426-1

Sample Layers	Asbestos Content
White Brick	ND
Off-White Grout	ND
Sample Composite Homogeneity:	Good

Location: B-020, Flat stone Lab ID-Version‡: 4991427-1

Sample Layers	Asbestos Content
White Cementitious Material	ND
Sample Composite Homogeneity:	Good

Location: B-021, Gray layer Lab ID-Version‡: 4991428-1

Sample Layers	Asbestos Content
Gray Debris	3% Chrysotile
Sample Composite Homogeneity:	Good

Location: B-022, Gray layer Lab ID-Version‡: 4991429-1

Sample Layers	Asbestos Content
Gray/White Semi-Fibrous Material	10% Chrysotile
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

ASBESTOS BULK SAMPLE DATA SHEET

BROADBENT
8 W. Pacific Avenue
Henderson, NV 89015
PH: (702)563-0600
F: (702)563-0610

Project Name: TIGNET - BETA Ditch	Sampled by: RCS	Laboratory: EMI	001106470
Project No.: 12-01-107-901	Email: rjones@broadbentinc.com		
Project Manager:	Date Sampled: 8/28/13		
Site Address: TIGNET	Turn Around Time: Rush - Same Day		

Lab ID	Sample ID	Building Number	Sample Location	Sample Description	Quantity (SF/LF/EA/CF)	Friable (Y/N)	Condition	Sample (Y/N)
	B-019	-	Area E (South Wall)	Brick w/ grout		N	Damaged	Y
	B-020	-	↓	Flat sheet		N	↓	↓
	B-021	-	Area E (North Wall)	Gray layer		Y	↓	↓
	B-022	-	↓	↓		↓	↓	↓

CHAIN OF CUSTODY INFORMATION:

Relinquished By: (sign/print)	Company	Date / Time	Received By: (sign/print)	Laboratory
Ryan C. J Ryan C. Jones	Broadbent	8/28/13 / 1430		8-28-13 2:42 pm

Quantity
SF-Square Feet
LF-Linear Feet
EA-Each
CF-Cubic Feet

Condition
G-Good
D-Damaged
SD-Significantly Damaged

EMLab P&K
A TestAmerica Company

Report for:

Mr. Ryan Jones
Broadbent & Associates, Inc.
8 W Pacific Ave
Henderson, NV 89015

Regarding: Project: 12-01-701-901; TIMET-BETA Ditch Excavation
EML ID: 1108297

Approved by:

Approved Signatory
Sandar Hein

Dates of Analysis:
Asbestos-EPA Method 600/R-93/116: 09-03-2013

Service SOPs: Asbestos-EPA Method 600/R-93/116 (EPA-600/M4-82-020 (SOP 01267))

EMLab P&K
6000 S. Eastern Ave, Suite 5E, Las Vegas, NV 89119
702-467-8592 Fax 650-829-5852 www.emlab.com

Client: Broadbent & Associates, Inc.
C/O: Mr. Ryan Jones
Re: 12-01-701-901; TIMET-BETA Ditch Excavation

Date of Sampling: 09-03-2013
Date of Receipt: 09-03-2013
Date of Report: 09-03-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted:	1
Total Samples Analysed:	1
Total Samples with Layer Asbestos Content > 1%:	0

Location: B-025, Fibrous material (Black)

Lab ID-Version‡: 4998961-1

Sample Layers	Asbestos Content
Black Fibrous Material	ND
Composite Non-Asbestos Content:	95% Cellulose
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

ASBESTOS BULK SAMPLE DATA SHEET

BROADBENT
8 W. Pacific Avenue
Henderson, NV 89015
PH: (702)563-0600
F: (702)563-0610

Project Name: Timet - Beta Ditch Excavation	Sampled by: RJ	Laboratory: EM	001108297
Project No.: 12-01-701-901	Email: rjones@broadbentinc.com		
Project Manager: —	Date Sampled: 9/3/13		
Site Address: Timet	Turn Around Time: Same Day (Rush)		

Lab ID	Sample ID	Building Number	Sample Location	Sample Description	Quantity (SF/LF/EA/CF)	Friable (Y/N)	Condition	Sample (Y/N)
	B-025	—	Weir - Area 5	Fibrous Material (Black)	—	Y	Damaged	Y

CHAIN OF CUSTODY INFORMATION:

Relinquished By: (sign/print)	Company	Date / Time	Received By: (sign/print)	Laboratory
Ry—C.J.	Broadbent	9/3/13 1400	9-3-13 3pm	EM Lab D.E.

Quantity
SF-Square Feet
LF-Linear Feet
EA-Each
CF-Cubic Feet

Condition
G-Good
D-Damaged
SD-Significantly Damaged

EMLab P&K
A TestAmerica Company

Report for:

Mr. Jeremy Holst
Broadbent & Associates, Inc.
8 W Pacific Ave
Henderson, NV 89015

Regarding: Project: 12-01-107-901; Timet Beta Ditch
EML ID: 1104732

Approved by:

Sandar Hein

Approved Signatory
Sandar Hein

Dates of Analysis:
Asbestos-EPA Method 600/R-93/116: 08-26-2013

Service SOPs: Asbestos-EPA Method 600/R-93/116 (EPA-600/M4-82-020 (SOP 01267))

EMLab P&K
6000 S. Eastern Ave, Suite 5E, Las Vegas, NV 89119
702-467-8592 Fax 650-829-5852 www.emlab.com

Client: Broadbent & Associates, Inc.
C/O: Mr. Jeremy Holst
Re: 12-01-107-901; Timet Beta Ditch

Date of Sampling: 08-23-2013
Date of Receipt: 08-26-2013
Date of Report: 08-26-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted:	1
Total Samples Analysed:	1
Total Samples with Layer Asbestos Content > 1%:	0

Location: T-H1-1, Hour glass shaped debris

Lab ID-Version‡: 4983410-1

Sample Layers	Asbestos Content
Off-White Non-Fibrous Material	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Jeremy Holst
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A161637
Date Received: 08/13/13
Date Analyzed: 08/14/13
Date Printed: 08/14/13
First Reported:

Job ID/Site: 12-01-107-901; Timet; Beta Ditch

FALI Job ID: 7345
Total Samples Submitted: 4
Total Samples Analyzed: 4

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**
PA-01	**01059632**	08/12/13	733.5	5.0	100	<7.0	0.004	**< 0.004**
Location: Sample Station 2								
PA-02	**01059633**	08/12/13	709.0	5.0	100	<7.0	0.004	**< 0.004**
Location: Sample Station 1								
PA-04	**01059634**	08/12/13	595.7	3.5	100	<7.0	0.005	**< 0.005**
Location: Sample Station 3								
PA-03	**01059635**	08/12/13	720.5	2.0	100	<7.0	0.004	**< 0.004**
Location: Sample Station 4								

The data presented in this report has not been subject to final review and is therefore subject to change. The recipient assumes full responsibility for the use and interpretation of this preliminary data.

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address:
Broadbent & Associates
8 W. Pacific Ave.
Henderson, NV 89015

PO / Job#: 12-01-107-901 Date: 8/12/13

Turn Around Time: Same Day / (1 Day) / 2Day / 3Day / 4Day / 5Day

☑ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435

Contact: Ryan Jones

Phone: (702) 677-6205 Fax:

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

E-mail: rjones@broadbentinc.com

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

Site: TEMET

☐ Metals Analysis: Method:

Site Location: Beta Ditch

Matrix:

Analytes:

Comments:

Report Via: ☐ Fax ☑ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY Type	Time On/Off	Avg. LPM	Total Time	Sample Area / Air Volume
PA-01	8/12 1057	Sample Station 2	AI PI CI	1057 / 1553	2.12	[redacted] 346	733.52
PA-02	1021	Sample Station 1	AI PI CI	1021 / 1557	2.11	[redacted] 336	708.96
PA-04	1100	Sample Station 3	AI PI CI	1100 / 1545	2.09	285	595.65
PA-03	1036	Sample Station 4	AI PI CI	1036 / 1602	2.31	326	720.46
			AI PI CI				
			AI PI CI				
			AI PI CI				
			AI PI CI				
			AI PI CI				
			AI PI CI				

Sampled By: RCJ Date: 8/12/13 Time: 1700

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☑ Drop Off ☐ Other:

Relinquished By:	Relinquished By:	Relinquished By:
Date / Time: 8/12/13 1730	Date / Time:	Date / Time:
Received By:	Received By:	Received By:
Date / Time: 8/13/13 800	Date / Time:	Date / Time:
Condition Acceptable? ☑ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Jeremy Holst
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A161786
Date Received: 08/14/13
Date Analyzed: 08/15/13
Date Printed: 08/15/13
First Reported: 08/15/13

Job ID/Site: 12-01-701-901; TIMET Beta Ditch

FALI Job ID: 7345
Total Samples Submitted: 8
Total Samples Analyzed: 8

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**
PA-05	**01059859**	08/13/13	1312.4	3.5	100	<7.0	0.002	**< 0.002**
Location: Sample Station 2								
PA-06	**01059860**	08/13/13	1210.1	5.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 3								
PA-07	**01059861**	08/13/13	1251.2	2.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 1								
PA-08	**01059862**	08/13/13	1306.1	6.0	100	7.6	0.002	**0.002**
Location: Sample Station 4								
PA-09	**01059863**	08/13/13	2236.9	4.5	100	<7.0	0.001	**< 0.001**
Location: 1st Excavation (SE) - North								
PA-10	**01059864**	08/13/13	2178.7	5.0	100	<7.0	0.001	**< 0.001**
Location: 1st Excavation (SE) - South								
FB-11	**01059865**	08/13/13	0.0	0.0	100	--	--	**--**
Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.								
LB-12	**01059866**	08/13/13	0.0	0.0	100	--	--	**--**
Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.								

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Jeremy Holst
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A161786
Date Received: 08/14/13
Date Analyzed: 08/15/13
Date Printed: 08/15/13
First Reported: 08/15/13

Job ID/Site: 12-01-701-901; TIMET Beta Ditch

FALI Job ID: 7345
Total Samples Submitted: 8
Total Samples Analyzed: 8

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

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Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address:
Broadbent & Associates
8 W. Pacific Ave.
Henderson, NV

PO / Job#: 12-01-701-901 Date: 8/13/13

Turn Around Time: (Same Day) / 1Day / 2Day / 3Day / 4Day / 5Day

☑ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

Contact: Ryan Jones
Phone: (702) 677-6205 Fax:
E-mail: rjones@broadbentinc.com

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

Site: TIMET Beta Ditch
Site Location: —

☐ Metals Analysis: Method:
Matrix:
Analytes:

Comments:

Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
PA-05	8/13/13	Sample Station 2	[Al] [Pi] [Ci]	0638 / 1640	2.18	602	1,312.36
PA-06		Sample Station 3	[Al] [Pi] [Ci]	0648 / 1627	2.09	579	1,210.11
PA-07		Sample Station 1	[Al] [Pi] [Ci]	0657 / 1650	2.11	593	1,251.23
PA-08		Sample Station 4	[Al] [Pi] [Ci]	0703 / 1654	2.21	591	1,306.11
PA-09		1st Excavation (SE) - North	[Al] [Pi] [Ci]	0717 / 1616	4.15	539	2,236.85
PA-10		1st Excavation (SE) - South	[Al] [Pi] [Ci]	0725 / 1619	4.08	534	2,178.72
FB-11		Field Blank	[Al] [Pi] [Ci]	— / —	—	—	—
LB-12		Lab. Blank	[Al] [Pi] [Ci]	— / —	—	—	—
			[Al] [Pi] [Ci]				
			[Al] [Pi] [Ci]				

Sampled By: RCJ Date: 8/13/13 Time: 1800

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☑ Drop Off ☐ Other:

Relinquished By:	Relinquished By:	Relinquished By:
Date / Time: 8/13/13 1800	Date / Time:	Date / Time:
Received By:	Received By:	Received By:
Date / Time: 8/14/13 14:15	Date / Time:	Date / Time:
Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-

Airborne Fiber Analysis

NIOSH 7400 Method. Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Jeremy Holst
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A161880
Date Received: 08/16/13
Date Analyzed: 08/16/13
Date Printed: 08/16/13
First Reported: 08/16/13

Job ID/Site: 12-01-107-901; TIMET - Beta Ditch

FALI Job ID: 7345
Total Samples Submitted: 5
Total Samples Analyzed: 5

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	Fibers/cc
PA-13	**01059979**	08/14/13	1308.0	2.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 2								
PA-14	**01059980**	08/14/13	1314.0	6.0	100	7.6	0.002	**0.002**
Location: Sample Station 4								
PA-15	**01059981**	08/14/13	1326.0	4.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 3								
PA-16	**01059982**	08/14/13	1254.0	4.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 1								
LB-17	**01059983**	08/14/13	0.0	0.0	100	--	--	--

Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address: Broadbent + Associates, Inc. 8W Pacific Ave. Henderson, NV	PO / Job#: 12-01-107-901 Date: 8/14/13
	Turn Around Time: (Same Day) / 1Day / 2Day / 3Day / 4Day / 5Day
	☑ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer
	☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435
Contact: Ryan Jones	☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
Phone: (702) 677-6205 Fax:	☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
	☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
	☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)
E-mail: rjones@broadbentinc.com	☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
	☐ Particle Identification (TEM LAB) ☐ Special Project
Site: TIMET - Beta Ditch	☐ Metals Analysis: Method:
Site Location: —	Matrix:
	Analytes:
Comments:	Report Via: ☐ Fax ☑ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY Type	Time On/Off	Avg. LPM	Total Time	Sample Area / Air Volume
PA-13	8/14/13	Sample Station 2	AI P C	0628 / 1628	2.18	600.	1,308
PA-14	"	Sample Station 4	AI P C	0636 / 1636	2.19	600	1,314
PA-15	"	Sample Station 3	AI P C	0641 / 1641	2.21	600	1,326
PA-16	"	Sample Station 1	AI P C	0653 / 1653	2.09	600	1,254
LB-17	↓	Lab Blank	AI P C	— / —	—	—	—
			AI P C				
			AI P C				
			AI P C				
			AI P C				
			AI P C				

Sampled By: Ryan C. Date: 8/14/13 Time: 1900

Shipped Via: ☐ Fed Ex ☑ DHL ☐ UPS ☐ US Mail ☐ Courier ☑ Drop Off ☐ Other:

Relinquished By: Ryan C.	Relinquished By:	Relinquished By:
Date / Time: 8/14/13 1900	Date / Time:	Date / Time:
Received By:	Received By:	Received By:
Date / Time: 8/16/13 8:00	Date / Time:	Date / Time:
Condition Acceptable? ☑ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Jeremy Holst
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A161881
Date Received: 08/16/13
Date Analyzed: 08/16/13
Date Printed: 08/16/13
First Reported: 08/16/13

Job ID/Site: 12-01-107-901; TIMET - Beta Ditch

FALI Job ID: 7345
Total Samples Submitted: 7
Total Samples Analyzed: 7

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	Fibers/cc
PA-18	**01059984**	08/15/13	1260.7	5.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 1								
PA-19	**01059985**	08/15/13	1278.9	4.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 4								
PA-20	**01059986**	08/15/13	1185.6	6.0	100	7.6	0.002	**0.002**
Location: North of Area 2								
PA-21	**01059987**	08/15/13	1164.7	5.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 3								
PA-22	**01059988**	08/15/13	1113.8	4.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 2								
PA-23	**01059989**	08/15/13	1115.7	6.0	100	7.6	0.002	**0.003**
Location: Loading - Area 2								
LB-24	**01059990**	08/15/13	0.0	0.0	100	--	--	**--**

Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Jeremy Holst
8 West Pacific Avenue

Henderson, NV 89015

Client ID:	7345
Report Number:	A161881
Date Received:	08/16/13
Date Analyzed:	08/16/13
Date Printed:	08/16/13
First Reported:	08/16/13

Job ID/Site: 12-01-107-901; TIMET - Beta Ditch

FALI Job ID:	7345
Total Samples Submitted:	7
Total Samples Analyzed:	7

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address: Broadbent & Associates, 8 W. Pacific Ave., Henderson, NV.

PO / Job#: 12-01-107-901 Date: 8/15/13

Turn Around Time: (Same Day) / 1Day / 2Day / 3Day / 4Day / 5Day

☑ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435

Contact: Ryan Jones

Phone: (702) 677-6205 Fax:

E-mail: rjones@broadbentinc.com

Site: TEMET - Beta Ditch

Site Location: —

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

☐ Metals Analysis: Method:

Matrix:

Analytes:

Comments:

Report Via: ☐ Fax ☑ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
PA-18	8/15/13	Sample Station 1	[AI] [P] [C]	0711 / 1723	2.06	612	1,260.72
PA-19	"	Sample Station 4	[AI] [P] [C]	0719 / 1728	2.10	609	1,278.90
PA-20	"	North of Area 2	[AI] [P] [C]	0747 / 1717	2.08	570	1,185.60
PA-21	"	Sample Station 3	[AI] [P] [C]	0757 / 1709	2.11	552	1,164.72
PA-22	"	Sample Station 2	[AI] [P] [C]	0808 / 1714	2.04	546	1,113.84
PA-23	"	Loading - Area 2	[AI] [P] [C]	0826 / 1719	2.07	599	1,115.73
LB-24	↓	Lab Blank	[AI] [P] [C]	— / —	—	—	—
			[AI] [P] [C]				
			[AI] [P] [C]				
			[AI] [P] [C]				

Sampled By: Ryan C. J. Date: 8/15/13 Time: 1800

Shipped Via: ☐ FedEx ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☑ Drop Off ☐ Other:

Relinquished By: Ryan C. J.	Relinquished By:	Relinquished By:
Date / Time: 8/15/13 1800	Date / Time:	Date / Time:
Received By:	Received By:	Received By:
Date / Time: 8/16/13 8:00	Date / Time:	Date / Time:
Condition Acceptable? ☑ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
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Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Jeremy Holst
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A162154
Date Received: 08/22/13
Date Analyzed: 08/22/13
Date Printed: 08/22/13
First Reported: 08/22/13

Job ID/Site: 12-01-107-901; TIMET - Beta Ditch

FALI Job ID: 7345
Total Samples Submitted: 6
Total Samples Analyzed: 6

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	Fibers/cc
PA-26	**01060439**	08/16/13	1310.3	4.0	100	<7.0	0.002	**< 0.002**
Location: Scaffolding - Loading Area								
PA-27	**01060440**	08/16/13	1347.6	4.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 1								
PA-29	**01060441**	08/16/13	1293.8	2.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 3								
PA-30	**01060442**	08/16/13	1240.3	1.5	100	<7.0	0.002	**< 0.002**
Location: Sample Station 4								
PA-31	**01060443**	08/16/13	1186.1	30.0	100	38.2	0.002	**0.012**
Location: Personal Sample - RCJ								
FB-33	**01060444**	08/16/13	0.0	0.0	100	--	--	--

Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address:
Broadbent & Associates
8 West Pacific Ave.
Henderson, NV

PO / Job#: 12-01-107-901 Date: 8/16/13

Turn Around Time: (Same Day) / 1Day / 2Day / 3Day / 4Day / 5Day

☒ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☐ PLM: ☐ Standard / ☐ Point Count 400 1000 / ☐ CARB 435

Contact: Ryan Jones

Phone: (702) 677-6205 Fax:

E-mail: rjones@broadbentinc.com

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

Site: TIMET - Beta Ditch

☐ Metals Analysis: Method:
Matrix:
Analytes:

Site Location:

Comments:

Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
PA-26	8/16/13	Scaffolding - Loading Area	[A] [P] [C]	0633 / 1654	2.11		
PA-27		Sample Station 1	[A] [P] [C]	0637 / 1658	2.17		
PA-28		Sample Station 2 - (Damaged by Storm)	[A] [P] [C]	— / —	—		
PA-29		Sample Station 3	[A] [P] [C]	0646 / 1708	2.08		
PA-30		Sample Station 4	[A] [P] [C]	0655 / 1705	2.04		
PA-31		Personal Sample - RCJ	[A] [P] [C]	0657 / 1630	2.07		
PA-32		South of Area 3 (Damaged by Storm)	[A] [P] [C]	— / —	—		
FB-33		Field Blank	[A] [P] [C]	— / —	—		
			[A] [P] [C]				
			[A] [P] [C]				

Sampled By: Ryan C. J. Date: 8/16/13 Time: 1820

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☒ Drop Off ☐ Other:

Relinquished By: Ryan C. J.	Relinquished By:	Relinquished By:
Date / Time: 8/16/13 1820	Date / Time:	Date / Time:
Received By: [signature]	Received By:	Received By:
Date / Time: 8/20/13 1001	Date / Time:	Date / Time:
Condition Acceptable? ☒ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Jeremy Holst
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A162152
Date Received: 08/22/13
Date Analyzed: 08/22/13
Date Printed: 08/22/13
First Reported: 08/22/13

Job ID/Site: 12-01-107-901; TIMET Beta Ditch

FALI Job ID: 7345
Total Samples Submitted: 6
Total Samples Analyzed: 6

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	Fibers/cc
PA-33	**01060433**	08/19/13	1274.4	2.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 1								
PA-34	**01060434**	08/19/13	1222.0	3.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 2								
PA-35	**01060435**	08/19/13	1240.1	3.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 3								
PA-36	**01060436**	08/19/13	1325.1	2.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 4								
PA-37	**01060437**	08/19/13	1221.0	6.0	100	7.6	0.002	**0.002**
Location: Loading Scaffolding - Area 3								
LB-38	**01060438**	08/19/13	0.0	0.0	100	--	--	--

Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address:
Broadbent & Associates
8 W. Pacific Ave.
Henderson, NV

PO / Job#: 12-01-107-901 Date: 8/19/13

Turn Around Time: (Same Day) / 1Day / 2Day / 3Day / 4Day / 5Day

☑ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435

Contact: Ryan Jones

Phone: (702) 677-6205 Fax:

E-mail: rjones@broadbentinc.com

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

Site: TAMET - Beta Ditch

☐ Metals Analysis: Method:

Site Location: —

Matrix:

Analytes:

Comments:

Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
PA-33	8/19/13	Sample Station 1	[A] [P] [C]	0631 / 1635	2.11	604	1,274.44
PA-34		Sample Station 2	[A] [P] [C]	0641 / 1640	2.04	599	1,221.96
PA-35		Sample Station 3	[A] [P] [C]	0647 / 1649	2.06	602	1,240.12
PA-36		Sample Station 4	[A] [P] [C]	0621 / 1652	2.10	631	1,325.10
PA-37		Loading Scaffolding - Area 3	[A] [P] [C]	0657 / 1643	2.08	587	1,220.96
LB-38	↓	Lab Blank	[A] [P] [C]	— / —	—	—	—
			[A] [P] [C]				
			[A] [P] [C]				
			[A] [P] [C]				
			[A] [P] [C]				

Sampled By: Ryan G. Date: 8/19/13 Time: 1826

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☑ Drop Off ☐ Other:

Relinquished By: Ryan G.	Relinquished By:	Relinquished By:
Date / Time: 8/19/13 1820	Date / Time:	Date / Time:
Received By: [signature]	Received By:	Received By:
Date / Time: 8/20/13 1002	Date / Time:	Date / Time:
Condition Acceptable? ☑ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Ryan Jones
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A162158
Date Received: 08/22/13
Date Analyzed: 08/22/13
Date Printed: 08/22/13
First Reported: 08/22/13

Job ID/Site: 12-01-107-901; Timet - Beta Ditch

FALI Job ID: 7345
Total Samples Submitted: 8
Total Samples Analyzed: 8

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**
PA -39	**01060445**	08/20/13	1348.4	3.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 3								
PA -40	**01060446**	08/20/13	1380.1	2.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 4								
PA -41	**01060447**	08/20/13	1308.3	5.0	100	<7.0	0.002	**< 0.002**
Location: Loading Scaffolding - Area 3								
PA -43	**01060448**	08/20/13	1344.1	3.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 1								
PA -45	**01060449**	08/20/13	1343.2	3.0	100	<7.0	0.002	**< 0.002**
Location: S. of Area 3								
PA -46	**01060450**	08/20/13	1254.2	0.0	100	<7.0	0.002	**< 0.002**
Location: W. of Area 4								
FB -47	**01060451**	08/20/13	0.0	0.0	100	--	--	**--**
Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.								
LB -48	**01060452**	08/20/13	0.0	0.0	100	--	--	**--**
Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.								

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Ryan Jones
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A162158
Date Received: 08/22/13
Date Analyzed: 08/22/13
Date Printed: 08/22/13
First Reported: 08/22/13

Job ID/Site: 12-01-107-901; Timet - Beta Ditch

FALI Job ID: 7345
Total Samples Submitted: 8
Total Samples Analyzed: 8

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address: BROADBENT + Associates, 8 W. Pacific Ave., Henderson, NV	PO / Job#: 12-01-107-901 Date: 8/20/13
	Turn Around Time: (Same Day) / 1Day / 2Day / 3Day / 4Day / 5Day
	☑ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer
	☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435
Contact: Ryan Jones	☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
Phone: (702) 677-6205 Fax:	☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
E-mail: rjones@broadbentinc.com	☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
	☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)
Site: TIMET - BETA Ditch	☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
	☐ Particle Identification (TEM LAB) ☐ Special Project
Site Location: —	☐ Metals Analysis: Method:
	Matrix:
Comments:	Analytes:
	Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY: Type	Time On/Off	Avg. LPM	Total Time	Sample Area / Air Volume
PA-39	8/20	Sample Station 3	AI P C	0632 / 1733	2.04	661	1,348.44
PA-40		Sample Station 4	AI P C	0637 / 1728	2.12	651	1,380.12
PA-41		Loading - Scaffolding - Area 3	AI P C	0643 / 1706	2.10	623	1,308.30
* PA-42		W. of Area 3 (Pump shut off due to heat)	AI P C	— / —	2.08	Not Submitted	
PA-43		Sample Station 1	AI P C	0647 / 1724	2.11	637	1,344.07
* PA-44		Sample Station 2 (Pump Shutoff do to heat)	AI P C	0652 / —	2.07	Not Submitted	
PA-45		S. of Area 3	AI P C	0658 / 1717	2.17	619	1,343.23
PA-46		W. of Area 4	AI P C	0705 / 1708	2.08	603	1,254.24
FB-47		Field Blank	AI P C	— / —	—	—	—
LB-48	↓	Lab Blank	AI P C	— / —	—	—	—

Sampled By: Ryan C. Date: 8/20/13 Time: 1730

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☑ Drop Off ☐ Other:

Relinquished By: Ryan C.	Relinquished By:	Relinquished By:
Date / Time: 8/20/13 1730	Date / Time:	Date / Time:
Received By: [signature]	Received By:	Received By:
Date / Time: 8/20/13 1900	Date / Time:	Date / Time:
Condition Acceptable? ☑ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Ryan Jones
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A162160
Date Received: 08/22/13
Date Analyzed: 08/22/13
Date Printed: 08/22/13
First Reported: 08/22/13

Job ID/Site: 13-01-107-901; Timet - Beta Ditch

FALI Job ID: 7345
Total Samples Submitted: 7
Total Samples Analyzed: 7

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	Fibers/cc
PA -49	**01060453**	08/21/13	1231.0	7.0	100	8.9	0.002	**0.003**
Location: NE of Area 5								
PA -50	**01060454**	08/21/13	1248.7	7.0	100	8.9	0.002	**0.003**
Location: Load - Out Scaffolding - Area 5								
PA -51	**01060455**	08/21/13	1241.2	6.0	100	7.6	0.002	**0.002**
Location: Liner Scaffolding - Area 5								
PA -52	**01060456**	08/21/13	1152.9	2.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 1								
PA -53	**01060457**	08/21/13	1148.7	0.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 3								
PA -54	**01060458**	08/21/13	1173.0	7.0	100	8.9	0.002	**0.003**
Location: Sample Station 2								
LB -56	**01060459**	08/21/13	0.0	0.0	100	--	--	--
Location: Lab Blanl								

Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Ryan Jones
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A162160
Date Received: 08/22/13
Date Analyzed: 08/22/13
Date Printed: 08/22/13
First Reported: 08/22/13

Job ID/Site: 13-01-107-901; Timet - Beta Ditch

FALI Job ID: 7345
Total Samples Submitted: 7
Total Samples Analyzed: 7

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address:
Broadbent + Associates
8 W. Pacific Ave.
Henderson NV., 89015

PO / Job#: 12-01-107-901 Date: 8/21/13

Turn Around Time: (Same Day) / 1Day / 2Day / 3Day / 4Day / 5Day

☑ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435

Contact: Ryan Jones

Phone: (702) 677-6205 Fax:

E-mail: rjones@broadbentinc.com

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

Site: TIMET - BETA Ditch

☐ Metals Analysis: Method:

Site Location: —

Matrix:

Analytes:

Comments:

Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
PA-49		NE of Area 5	[A] [P] [C]	0642 / 1631	2.09	589	1,231.01
PA-50		Load-out Scaffolding - Area 5	[A] [P] [C]	0639 / 1628	2.12	589	1,248.68
PA-51		Liner Scaffolding - Area 5	[A] [P] [C]	0703 / 1635	2.17	572	1,241.24
PA-52		Sample Station 1	[A] [P] [C]	0715 / 1624	2.10	549	1,152.90
PA-53		Sample Station 3	[A] [P] [C]	0723 / 1630	2.10	547	1,148.70
PA-54		Sample Station 2	[A] [P] [C]	0729 / 1704	2.04	575	1,173.00
PA-55		Sample Station 4 (Pump shut-off due to heat)	[A] [P] [C]	— / —	—	Not Submitted	
LB-56		Lab Blank	[A] [P] [C]	— / —	—	—	—
			[A] [P] [C]				
			[A] [P] [C]				

Sampled By: Ryan C. J Date: 8/21/13 Time: 1930

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By:	Relinquished By:	Relinquished By:
Ryan C. J		
Date / Time: 8/21/13 1970	Date / Time:	Date / Time:
Received By:	Received By:	Received By:
Date / Time: 8/22/13 1002	Date / Time:	Date / Time:
Condition Acceptable? ☑ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Ryan Jones
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A162653
Date Received: 09/03/13
Date Analyzed: 09/04/13
Date Printed: 09/04/13
First Reported: 09/04/13

Job ID/Site: 12-01-701-901; TIMET - BETA Ditch

FALI Job ID: 7345
Total Samples Submitted: 8
Total Samples Analyzed: 8

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	Fibers/cc
PA-57	**01060956**	08/22/13	1396.5	3.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station1								
PA-58	**01060957**	08/22/13	1368.8	9.0	100	11.4	0.002	**0.003**
Location: Sample Station 2								
PA-59	**01060958**	08/22/13	1443.1	7.0	100	8.9	0.002	**0.002**
Location: Scafforld - Area 5								
PA-60	**01060959**	08/22/13	1302.1	8.0	100	10.1	0.002	**0.003**
Location: Sample Station 3								
PA-61	**01060960**	08/22/13	1403.4	1.0	100	<7.0	0.002	**< 0.002**
Location: East of Area 5								
PA-62	**01060961**	08/22/13	1068.9	0.0	100	<7.0	0.003	**< 0.003**
Location: East of Area 5								
LB-63	**01060962**	08/22/13	0.0	0.0	100	--	--	**--**

Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.

FB-64	**01060963**	08/22/13	0.0	0.0	100	--	--	**--**

Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Ryan Jones
8 West Pacific Avenue

Henderson, NV 89015

Client ID:	7345
Report Number:	A162653
Date Received:	09/03/13
Date Analyzed:	09/04/13
Date Printed:	09/04/13
First Reported:	09/04/13

Job ID/Site: 12-01-701-901; TIMET - BETA Ditch

FALI Job ID:	7345
Total Samples Submitted:	8
Total Samples Analyzed:	8

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address:
Broadbent & Associates
8 W. Pacific Ave.
Henderson, NV. 89015

PO / Job#: 12-01-701-901 Date: 8/22

Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day

☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435

Contact: Ryan Jones

Phone: (702) 677-6205 Fax:

E-mail: rjones@broadbentinc.com

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

Site: TIMET - BETA Ditch

☐ Metals Analysis: Method:

Site Location: —

Matrix:

Analytes:

Comments:

Report Via: ☐ Fax ☑ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY Type	Time On/Off	Avg. LPM	Total Time	Sample Area / Air Volume
PA-57	8/22	Sample Station 1	AI PI CI	0631 / 1736	2.10		
PA-58		Sample Station 2	AI PI CI	0640 / 1751	2.04		
PA-59		Scaffold - Area 5	AI PI CI	0649 / 1754	2.17		
PA-60		Sample Station 3	AI PI CI	0707 / 1730	2.09		
PA-61		East of Area 5	AI PI CI	0656 / 1758	2.12		
PA-62		Sample Station 2	AI PI CI	0713 / 1542	2.10		
LB-63		—	AI PI CI	— / —	—	—	—
FB-64		—	AI PI CI	— / —	—	—	—
			AI PI CI				
			AI PI CI				

Sampled By: Ry C. G Date: 8/22/13 Time: 1845

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☑ Drop Off ☐ Other:

Relinquished By: Ry C. G.	Relinquished By:	Relinquished By:
Date / Time: 8/22/13 1845	Date / Time:	Date / Time:
Received By:	Received By:	Received By:
Date / Time: 9/3/13 15:15	Date / Time:	Date / Time:
Condition Acceptable? ☑ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Jeremy Holst
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A162259
Date Received: 08/26/13
Date Analyzed: 08/26/13
Date Printed: 08/26/13
First Reported: 08/26/13

Job ID/Site: 12-01-107-901; Timet Beta Ditch; Henderson, NV

FALI Job ID: 7345
Total Samples Submitted: 8
Total Samples Analyzed: 8

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	Fibers/cc
PA-65	**01060546**	08/23/13	1339.0	9.0	100	11.4	0.002	**0.003**
Location: Sample Station #1								
PA-66	**01060547**	08/23/13	1415.0	5.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station #2								
PA-67	**01060548**	08/23/13	1353.0	5.5	100	7.0	0.002	**< 0.002**
Location: Sample Station #3								
PA-68	**01060549**	08/23/13	1310.0	4.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station #4								
LB-69	**01060550**	08/23/13	0.0	0.0	100	--	--	--
Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.								
PA-69	**01060551**	08/23/13	1308.0	4.0	100	<7.0	0.002	**< 0.002**
Location: Excavation Area Scaffolding Line								
PA-70	**01060552**	08/23/13	1281.0	1.0	100	<7.0	0.002	**< 0.002**
Location: Excavation Area Acaffolding Load								
PA-71	**01060553**	08/23/13	1244.0	0.0	100	<7.0	0.002	**< 0.002**
Location: Excavation Area South								

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Jeremy Holst
8 West Pacific Avenue

Henderson, NV 89015

Client ID:	7345
Report Number:	A162259
Date Received:	08/26/13
Date Analyzed:	08/26/13
Date Printed:	08/26/13
First Reported:	08/26/13

Job ID/Site: 12-01-107-901; Timet Beta Ditch; Henderson, NV

FALI Job ID:	7345
Total Samples Submitted:	8
Total Samples Analyzed:	8

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address:
Broadbent & Associates
8 W. Pacific Avenue
Henderson, NV 89015

PO / Job#: 12-01-107-901 Date: 8/23/13

Turn Around Time: (Same Day) / 1Day / 2Day / 3Day / 4Day / 5Day

☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435

Contact: Jeremy Holst / Ryan Jones

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

Phone: (702) 563-0600 Fax: (702) 563-0610

E-mail: jholst@broadbentinc.com

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

Site: Tinet Beta Ditch

☐ Metals Analysis: Method:

Site Location: Henderson, NV

Matrix:

Analytes:

Comments:

Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
PA-65	8/23/13	Sample Station #1	[Ai] [Pi] [Ci]	0637 / 1989	2.03	662 min	1339
PA-66	8/23/13	Sample Station #2	[Ai] [Pi] [Ci]	0647 / 1745	2.15	658 min	1415
PA-67	8/23/13	Sample Station #3	[Ai] [Pi] [Ci]	0655 / 1752	2.06	657 min	1353
PA-68	8/23/13	Sample Station #4	[Ai] [Pi] [Ci]	0703 / 1756	2.07	633 min	1310
LB-69	8/23/13	Lab Blank	[Ai] [Pi] [Ci]	— / —	—	—	—
PA-69	8/23/13	Excavation Area Scaffolding Line	[Ai] [Pi] [Ci]	0710 / 1733	2.10	623 min	1308
PA-70	8/23/13	Excavation Area Scaffolding Load	[Ai] [Pi] [Ci]	0718 / 1734	2.08	616 min	1281
PA-71	8/23/13	Excavation Area South	[Ai] [Pi] [Ci]	0725 / 1735	2.04	610 min	1244
			[Ai] [Pi] [Ci]				
			[Ai] [Pi] [Ci]				

Sampled By: Jeremy Holst Date: 8/23/13 Time: 0630

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By:	Relinquished By:	Relinquished By:
Date / Time: 8/24/13 1400	Date / Time:	Date / Time:
Received By:	Received By:	Received By:
Date / Time: 8/26/13 8:00	Date / Time:	Date / Time:
Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

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Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Jeremy Holst
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A162261
Date Received: 08/26/13
Date Analyzed: 08/26/13
Date Printed: 08/26/13
First Reported: 08/26/13

Job ID/Site: 12-01-107-901; Timet Beta Ditch; Henderson, NV

FALI Job ID: 7345
Total Samples Submitted: 8
Total Samples Analyzed: 8

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**
PA-72	**01060554**	08/24/13	626.0	2.0	100	<7.0	0.004	**< 0.004**
Location: Sample Station #1								
PA-73	**01060555**	08/24/13	622.0	1.0	100	<7.0	0.004	**< 0.004**
Location: Sample Station #2								
PA-74	**01060556**	08/24/13	636.0	4.5	100	<7.0	0.004	**< 0.004**
Location: Sample Station #3								
PA-75	**01060557**	08/24/13	557.0	1.0	100	<7.0	0.005	**< 0.005**
Location: Sample Station #4								
PA-76	**01060558**	08/24/13	543.0	5.0	100	<7.0	0.005	**< 0.005**
Location: Excavation 5 North Side								
PA-77	**01060559**	08/24/13	565.0	1.0	100	<7.0	0.005	**< 0.005**
Location: Excavation 5 Tarp Up Scaffold								
PA-78	**01060560**	08/24/13	563.0	6.0	100	7.6	0.005	**0.005**
Location: Excavation 5 Cover Scaffold								
LB-79	**01060561**	08/24/13	0.0	0.0	100	--	--	--
Location: Lab Blank								

Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Jeremy Holst
8 West Pacific Avenue

Henderson, NV 89015

Client ID:	7345
Report Number:	A162261
Date Received:	08/26/13
Date Analyzed:	08/26/13
Date Printed:	08/26/13
First Reported:	08/26/13

Job ID/Site: 12-01-107-901; Timet Beta Ditch; Henderson, NV

FALI Job ID:	7345
Total Samples Submitted:	8
Total Samples Analyzed:	8

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address: Broadbent & Associates, Inc. 3 W Pacific Ave Henderson, NV 89015	PO / Job#: 12-01-107-901 Date: 8/24/13
	Turn Around Time: (Same Day) / 1Day / 2Day / 3Day / 4Day / 5Day
	☒ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer
	☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435
Contact: Jeremy Holst / Ryan Jones	☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield ☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight % ☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)
Phone: (702) 563-0600 Fax: (702) 563-0610	
E-mail: jholst@broadbentinc.com	☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot ☐ Particle Identification (TEM LAB) ☐ Special Project
Site: Timet Bob Ditch	☐ Metals Analysis: Method:
Site Location: Henderson, NV	Matrix: Analytes:
Comments:	Report Via: ☐ Fax ☒ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
PA-72	8/24/13	Sample Station #1	AI PI CI	0623 / 1127	2.06	304	626
PA-73	8/24/13	Sample Station #2	AI PI CI	0632 / 1134	2.06	302	622
PA-74	8/24/13	Sample Station #3	AI PI CI	0639 / 1135	2.15	296	636
PA-75	8/24/13	Sample Station #4	AI PI CI	0650 / 1123	2.01	273	557
PA-76	8/24/13	Excavation 5 North Side	AI PI CI	0652 / 1122	2.01	270	543
PA-77	8/24/13	Excavation 5 Face up Scaffold	AI PI CI	0703 / 1113	2.26	250	563
PA-78	8/24/13	Excavation 5 Lower Scaffold	AI PI CI	0710 / 1118	2.27	248	563
LB-79	8/24/13	Lab Blank	AI PI CI	— / —	—	—	—
			AI PI CI				
			AI PI CI				

Sampled By: Jeremy Holst Date: 8/24/13 Time: 0732

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☒ Drop Off ☐ Other:

Relinquished By: Jeremy Holst Date / Time: 8/24/13 1400	Relinquished By: Date / Time:	Relinquished By: Date / Time:
Received By: Date / Time: 8/26/13 8:00 Condition Acceptable? ☒ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Ryan Jones
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A162658
Date Received: 09/03/13
Date Analyzed: 09/04/13
Date Printed: 09/04/13
First Reported: 09/04/13

Job ID/Site: 12-01-701-901; TIMET - BETA Ditch

FALI Job ID: 7345
Total Samples Submitted: 8
Total Samples Analyzed: 8

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	Fibers/cc
PA-80	**01060975**	08/27/13	1341.8	5.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 3								
LB-81	**01060976**	08/27/13	0.0	0.0	100	--	--	--
Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.								
PA-82	**01060977**	08/27/13	1256.4	2.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 2								
PA-83	**01060978**	08/27/13	1264.8	1.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 1								
PA-84	**01060979**	08/27/13	1333.5	3.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 4								
PA-85	**01060980**	08/27/13	1283.0	5.0	100	<7.0	0.002	**< 0.002**
Location: N. of Area E								
PA-86	**01060981**	08/27/13	1328.8	9.0	100	11.4	0.002	**0.003**
Location: E. of Area E								
FB-87	**01060982**	08/27/13	0.0	0.0	100	--	--	--
Comments: Blank filters are reported only as number of fibers and fields counted.								

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Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Ryan Jones
8 West Pacific Avenue

Henderson, NV 89015

Client ID:	7345
Report Number:	A162658
Date Received:	09/03/13
Date Analyzed:	09/04/13
Date Printed:	09/04/13
First Reported:	09/04/13

Job ID/Site: 12-01-701-901; TIMET - BETA Ditch

FALI Job ID:	7345
Total Samples Submitted:	8
Total Samples Analyzed:	8

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

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Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address: Broadbent & Associates, 8 W. Pacific Ave., Henderson, NV. 89015

PO / Job#: 12-01-701-901 Date: 8/27

Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day

☑ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435

Contact: Ryan Jones

Phone: (702) 677-6205 Fax:

E-mail: rjones@broadbentinc.com

Site: TIMET - BETA Ditch

Site Location: —

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

☐ Metals Analysis: Method:
Matrix:
Analytes:

Comments:

Report Via: ☐ Fax ☑ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY Type	Time On/Off	Avg. LPM	Total Time	Sample Area / Air Volume
PA-80	8/27	Sample Station 3	AI PI C	0624 / 1651	2.14		
LB-81		Lab Blank	AI PI C	— / —	—	—	—
PA-82		Sample Station 2	AI PI C	0635 / 1657	2.02		
PA-83		Sample Station 1	AI PI C	0646 / 1700	2.06		
PA-84		Sample Station 4	AI PI C	0648 / 1723	2.10		
PA-85		N. of Area E	AI PI C	0658 / 1730	2.03		
PA-86		E. of Area E	AI PI C	0711 / 1715	2.20		
FB-87	↓	Field Blank	AI PI C	— / —	—	—	—
			AI PI C				
			AI PI C				

Sampled By: Ry C J Date: 8/27/13 Time: 1800

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☑ Drop Off ☐ Other:

Relinquished By:	Relinquished By:	Relinquished By:
Date / Time: 8/27/13 1800	Date / Time:	Date / Time:
Received By:	Received By:	Received By:
Date / Time: 9/3/13 15:15	Date / Time:	Date / Time:
Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Ryan Jones
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A162655
Date Received: 09/03/13
Date Analyzed: 09/04/13
Date Printed: 09/04/13
First Reported: 09/04/13

Job ID/Site: 12-01-701-901

FALI Job ID: 7345
Total Samples Submitted: 6
Total Samples Analyzed: 6

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	Fibers/cc
PA-88	**01060964**	08/28/13	1272.6	6.0	100	7.6	0.002	**0.002**
Location: Sample Station 2								
PA-89	**01060965**	08/28/13	1174.9	3.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 1								
PA-90	**01060966**	08/28/13	1110.3	3.0	100	<7.0	0.002	**< 0.002**
Location: N. of Area 5								
PA-91	**01060967**	08/28/13	1109.8	11.5	100	14.6	0.002	**0.005**
Location: Load-out Scafforld - Area 5								
PA-92	**01060968**	08/28/13	934.4	6.0	100	7.6	0.003	**0.003**
Location: Sample Station 4								
LB-93	**01060969**	08/28/13	0.0	0.0	100	--	--	--

Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address:
Broadbent & Associates
8 W. Pacific Ave.
Henderson, NV 89015

PO / Job#: 12-01-701-901 Date: 8/28

Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day

☑ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435

Contact: Ryan Jones

Phone: (702) 677-6205 Fax:

E-mail: rjones@broadbentinc.com

Site: TIMET - BETA Ditch

Site Location: —

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

☐ Metals Analysis: Method:
Matrix:
Analytes:

Comments:

Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY Type	Time On/Off	Avg. LPM	Total Time	Sample Area / Air Volume
PA-88	8/28	Sample Station 2	[Al] [Pi] [C]	0726 / 1756	2.02		
PA-89		Sample Station 1	[Al] [Pi] [C]	0731 / 1640	2.14		
PA-90		N. of Area 5	[Al] [Pi] [C]	0744 / 1647	2.06		
PA-91		Load-out Scaffold - Area 5	[Al] [Pi] [C]	0741 / 1645	2.04		
PA-92		Sample Station 4	[Al] [Pi] [C]	0747 / 1644	1.74		
LB-93		Lab Blank	[Al] [Pi] [C]	— / —	—	—	—
			[Al] [Pi] [C]				
			[Al] [Pi] [C]				
			[Al] [Pi] [C]				
			[Al] [Pi] [C]				

Sampled By: Ryan C. J. Date: 8/28/13 Time: 1830

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☑ Drop Off ☐ Other:

Relinquished By:	Relinquished By:	Relinquished By:
Date / Time: 8/28/13 1830	Date / Time:	Date / Time:
Received By:	Received By:	Received By:
Date / Time: 9/3/13 1515	Date / Time:	Date / Time:
Condition Acceptable? ☑ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Forensic Analytical Laboratories

Final Report

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Ryan Jones
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A162657
Date Received: 09/03/13
Date Analyzed: 09/04/13
Date Printed: 09/04/13
First Reported: 09/04/13

Job ID/Site: 12-01-701-901; TIMET - BETA Ditch

FALI Job ID: 7345
Total Samples Submitted: 5
Total Samples Analyzed: 5

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**
PA-94	**01060970**	08/29/13	1281.9	11.0	100	14.0	0.002	**0.004**
Location: Sample Station 2								
PA-95	**01060971**	08/29/13	1253.7	5.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 1								
PA-96	**01060972**	08/29/13	1239.9	7.0	100	8.9	0.002	**0.003**
Location: Sample Station 4								
PA-97	**01060973**	08/29/13	1193.8	10.0	100	12.7	0.002	**0.004**
Location: Scaffold - Load-Out								
LB-98	**01060974**	08/29/13	0.0	0.0	100	--	--	**--**

Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address:
Broadbent + Associates
8 W. Pacific Ave.
Henderson, NV 89015

PO / Job#: 12-01-701-901 Date: 8/29

Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day

☑ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435

Contact: Ryan Jones

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

Phone: (702) 677-6205 Fax:

E-mail: rjones@broadbentinc.com

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

Site: FIMET - BETA Ditch

☐ Metals Analysis: Method:
Matrix:
Analytes:

Site Location: —

Comments:

Report Via: ☐ Fax ☑ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY Type	Time On/Off	Avg. LPM	Total Time	Sample Area / Air Volume
PA-94	8/29	Sample Station 2	AI PI C	0642 / 1641	2.14		
PA-95	"	Sample Station 1	AI PI C	0648 / 1645	2.10		
PA-96	"	Sample Station-4	AI PI C	0651 / 1650	2.07		
PA-97	"	Scaffold-Load-out	AI PI C	0701 / 1652	2.02		
LB [redacted]-98	↓	Lab Blank	AI PI C	— / —	—	—	—
			AI PI C				
			AI PI C				
			AI PI C				
			AI PI C				
			AI PI C				

Sampled By: Ryan C. Date: 8/29/13 Time: 1730

Shipped Via: ☐ FedEx ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☑ Drop Off ☐ Other:

Relinquished By:	Relinquished By:	Relinquished By:
Date / Time: 8/29/13 1730	Date / Time:	Date / Time:
Received By:	Received By:	Received By:
Date / Time: 9/3/13 10:15	Date / Time:	Date / Time:
Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Ryan Jones
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A162659
Date Received: 09/03/13
Date Analyzed: 09/04/13
Date Printed: 09/04/13
First Reported: 09/04/13

Job ID/Site: 12-01-701-901; TIMET - BETA Ditch

FALI Job ID: 7345
Total Samples Submitted: 3
Total Samples Analyzed: 3

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	Fibers/cc
PA-99	**01060983**	08/30/13	1050.0	7.0	100	8.9	0.003	**0.003**
Location: Sample Station 3								
PA-100	**01060984**	08/30/13	1003.9	4.0	100	<7.0	0.003	**< 0.003**
Location: Sample Station 2								
LB-101	**01060985**	08/30/13	0.0	0.0	100	--	--	--

Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address:
Broadbent & Associates
8 W. Pacific Ave.
Henderson, NV 89015

PO / Job#: 12-01-701-901 Date: 8/30

Turn-Around Time: (Rush) / 1Day / 2Day / 3Day / 4Day / 5Day

☑ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☑ Rotometer

☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435

Contact: Ryan Jones

Phone: (702) 677-6205 Fax:

E-mail: rjones@broadbentinc.com

Site: TIMET - BETA Ditch

Site Location: —

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

☐ Metals Analysis: Method:
Matrix:
Analytes:

Comments:

Report Via: ☐ Fax ☑ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY Type	Time On/Off	Avg. LPM	Total Time	Sample Area / Air Volume
PA-99	8/30	Sample Station 3	[AI] [P] [C]	0640 / 1500	2.10		
PA-100	↓	Sample Station 2	[AI] [P] [C]	0643 / 1500	2.02		
LB-101	↓	Lab Blank	[AI] [P] [C]	— / —	—	—	—
			[AI] [P] [C]				
			[AI] [P] [C]				
			[AI] [P] [C]				
			[AI] [P] [C]				
			[AI] [P] [C]				
			[AI] [P] [C]				
			[AI] [P] [C]				

Sampled By: Ryan C. J. Date: 8/30/13 Time: 1745

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☑ Drop Off ☐ Other:

Relinquished By:	Relinquished By:	Relinquished By:
Date / Time: 8/30/13 1745	Date / Time:	Date / Time:
Received By:	Received By:	Received By:
Date / Time: 9/3/13 15:15	Date / Time:	Date / Time:
Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Ryan Jones
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A163135
Date Received: 09/13/13
Date Analyzed: 09/13/13
Date Printed: 09/13/13
First Reported: 09/13/13

Job ID/Site: 12-01-107-901; TIMET - Beta Ditch

FALI Job ID: 7345
Total Samples Submitted: 4
Total Samples Analyzed: 4

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	Fibers/cc
PA-102	**01061373**	09/03/13	1361.0	5.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 3								
PA-103	**01061374**	09/03/13	1308.3	3.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 2								
PA-104	**01061375**	09/03/13	1278.7	1.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 1								
PA-105	**01061376**	09/03/13	1291.7	3.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 4								

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address:
Broadbent & Associates
8 W. Pacific Ave.
Henderson, NV. 89115

PO / Job#: 12-01-107-901 Date: 9/4/13

Turn Around Time: (Same Day) / 1Day / 2Day / 3Day / 4Day / 5Day

☑ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435

Contact: Ryan Jones

Phone: (702) 677-6205 Fax:

E-mail: rjones@broadbentinc.com

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

Site: TIMET - Beta Ditch

☐ Metals Analysis: Method:
Matrix:
Analytes:

Site Location: —

Comments:

Report Via: ☐ Fax ☑ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
PA-102	9/3	Sample Station 3	[A] [P] [C]	0624 / 1700	2.14		
PA-103	"	Sample Station 2	[A] [P] [C]	0634 / 1657	2.10		
PA-104	"	Sample Station 1	[A] [P] [C]	0638 / 1711	2.02		
PA-105	"	Sample Station 4	[A] [P] [C]	0643 / 1707	2.07		
			[A] [P] [C]				
			[A] [P] [C]				
			[A] [P] [C]				
			[A] [P] [C]				
			[A] [P] [C]				
			[A] [P] [C]				

Sampled By: Ryan C.J. Date: 9/4/13 Time: 1800

Shipped Via: ☐ FedEx ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☑ Drop Off ☐ Other:

Relinquished By: Ryan C.J.	Relinquished By:	Relinquished By:
Date / Time: 9/4/13 1800	Date / Time:	Date / Time:
Received By:	Received By:	Received By:
Date / Time: 9/13/13 8:00	Date / Time:	Date / Time:
Condition Acceptable? ☑ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Ryan Jones
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A163133
Date Received: 09/13/13
Date Analyzed: 09/13/13
Date Printed: 09/13/13
First Reported: 09/13/13

Job ID/Site: 12-01-701-901; TIMET - BETA Ditch

FALI Job ID: 7345
Total Samples Submitted: 7
Total Samples Analyzed: 7

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**
PA-106	**01061361**	09/04/13	1278.9	2.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 3								
PA-107	**01061362**	09/04/13	1256.5	6.0	100	7.6	0.002	**0.002**
Location: Sample Station 2								
PA-108	**01061363**	09/04/13	1284.0	6.0	100	7.6	0.002	**0.002**
Location: Sample Staiton 1								
PA-109	**01061364**	09/04/13	1191.8	5.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 4								
PA-110	**01061365**	09/04/13	1187.7	8.0	100	10.1	0.002	**0.003**
Name: Kyle Location: Personal								
(8-Hour TWA) Note: Sample 01061365 was used to calculate an 8-Hour Time Weighted Average of 0.004 fibers/cc.								
PA-111	**01061366**	09/04/13	911.1	12.0	100	15.2	0.003	**0.006**
Location: Scaffolding - Load-Out (Area 6)								
PA-112	**01061367**	09/04/13	0.0	0.0	100	--	--	**--**

Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Ryan Jones
8 West Pacific Avenue

Henderson, NV 89015

Client ID:	7345
Report Number:	A163133
Date Received:	09/13/13
Date Analyzed:	09/13/13
Date Printed:	09/13/13
First Reported:	09/13/13

Job ID/Site: 12-01-701-901; TIMET - BETA Ditch

FALI Job ID:	7345
Total Samples Submitted:	7
Total Samples Analyzed:	7

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories **Final Report**

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Ryan Jones
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A163136
Date Received: 09/13/13
Date Analyzed: 09/13/13
Date Printed: 09/13/13
First Reported: 09/13/13

Job ID/Site: 12-01-701-901; TIMET - Beta Bitch

FALI Job ID: 7345
Total Samples Submitted: 6
Total Samples Analyzed: 6

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	Fibers/cc
PA-113	**01061377**	09/05/13	1353.8	0.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 3								
PA-114	**01061378**	09/05/13	1321.1	3.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 2								
PA-115	**01061379**	09/05/13	1348.2	1.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 1								
PA-116	**01061380**	09/05/13	1358.9	1.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 4								
PA-117	**01061381**	09/05/13	1241.8	4.0	100	<7.0	0.002	**< 0.002**
Location: Scaffold - Loading Area								
LB-118	**01061382**	09/05/13	0.0	0.0	100	--	--	--

Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address:
Broadbent & Associates, Inc.
8 W. Pacific Ave.
Henderson, NV 89015

PO / Job#: 12-01-701-901 Date: 9/5/13

Turn-Around Time: (Same Day) / 1Day / 2Day / 3Day / 4Day / 5Day

☑ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☑ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435

Contact: Ryan Jones

Phone: (702) 677-6205 Fax:

E-mail: rjones@broadbentinc.com

Site: TIMET - Beta Ditch

Site Location: —

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

☐ Metals Analysis: Method:
Matrix:
Analytes:

Comments:

Report Via: ☐ Fax ☑ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
PA-113	9/5/13	Sample Station 3	[AI] [PI] [CI]	0651 / 1745	2.07		
PA-114		Sample Station 2	[AI] [PI] [CI]	0654 / 1748	2.02		
PA-115		Sample Station 1	[AI] [PI] [CI]	0658 / 1740	2.10		
PA-116		Sample Station 4	[AI] [PI] [CI]	0710 / 1745	2.14		
PA-117		Scaffold - Loading Area	[AI] [PI] [CI]	0715 / 1712	2.08		
LB-118		—	[AI] [PI] [CI]	— / —	—	—	—
			[AI] [PI] [CI]				
			[AI] [PI] [CI]				
			[AI] [PI] [CI]				
			[AI] [PI] [CI]				

Sampled By: [signature] Date: 9/5/13 Time: 1800

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☑ Drop Off ☐ Other:

Relinquished By:	Relinquished By:	Relinquished By:
Date / Time: 9/5/13 1800	Date / Time:	Date / Time:
Received By: [signature]	Received By:	Received By:
Date / Time: 9/13/13 8:00	Date / Time:	Date / Time:
Condition Acceptable? ☑ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Forensic Analytical Laboratories

Final Report

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Ryan Jones
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A163137
Date Received: 09/13/13
Date Analyzed: 09/13/13
Date Printed: 09/13/13
First Reported: 09/13/13

Job ID/Site: 12-01-701-901; TIMET - Beta Ditch

FALI Job ID: 7345
Total Samples Submitted: 5
Total Samples Analyzed: 5

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	Fibers/cc
PA-120	**01061383**	09/06/13	1104.6	8.0	100	10.1	0.002	**0.004**
Location: Sample Station 2								
PA-121	**01061384**	09/06/13	989.8	3.0	100	<7.0	0.003	**< 0.003**
Location: Sample Station 1								
PA-122	**01061385**	09/06/13	1075.4	7.0	100	8.9	0.003	**0.003**
Location: Area 3 - Load-Out								
PA-123	**01061386**	09/06/13	1129.9	3.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 4								
PA-119	**01061387**	09/06/13	1051.6	6.0	100	7.6	0.003	**< 0.003**
Location: Sample Station 3								

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address:
Broadbent & Associates, Inc.
8 W. Pacific Ave.
Henderson, NV. 89015
7345

PO / Job#: 12-01-701-901 Date: 9/6/13

Turn Around Time: (Same Day) / 1Day / 2Day / 3Day / 4Day / 5Day

☒ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435

Contact: Ryan Jones

Phone: (702) 677-6205 Fax:

E-mail: rjones@broadbentinc.com

Site: TIMET - Beta Ditch

Site Location: —

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

☐ Metals Analysis: Method:
Matrix:
Analytes:

Comments:

Report Via: ☐ Fax ☒ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY Type	Time On/Off	Avg. LPM	Total Time	Sample Area / Air Volume
PA-120	9/6/13	Sample Station 2	AI P C	0640 / 1526	2.10		
PA-121		Sample Station 1	AI P C	0646 / 1456	2.02		
PA-122		Area 3 - Load-out	AI P C	0649 / 1526	2.08		
PA-123		Sample Station 4	AI P C	0647 / 1535	2.14		
PA-119		Sample Station 3	AI P C	0635 / 1503	2.07		
			AI P C				
			AI P C				
			AI P C				
			AI P C				
			AI P C				

Sampled By: Ryan Jones Date: 9/6/13 Time: 1800

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☒ Drop Off ☐ Other:

Relinquished By: Ryan Jones	Relinquished By:	Relinquished By:
Date / Time: 9/6/13 1800	Date / Time:	Date / Time:
Received By:	Received By:	Received By:
Date / Time: 9/13/13 8:00	Date / Time:	Date / Time:
Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
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Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Forensic Analytical Laboratories

Final Report

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Ryan Jones
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A163134
Date Received: 09/13/13
Date Analyzed: 09/13/13
Date Printed: 09/13/13
First Reported: 09/13/13

Job ID/Site: 12-01-701-901; TIMET - Beta Ditch

FALI Job ID: 7345
Total Samples Submitted: 5
Total Samples Analyzed: 5

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**
PA-124	**01061368**	09/12/13	1243.8	1.0	100	<7.0	0.002	**< 0.002**
Location: W. of Area 6 - Load-Out								
PA-125	**01061369**	09/12/13	1243.3	13.0	100	16.5	0.002	**0.005**
Location: Scaffolding - Area 6 (South)								
PA-126	**01061370**	09/12/13	1201.2	5.0	100	<7.0	0.002	**< 0.002**
Location: Scaffolding - Area 6 (North)								
PA-127	**01061371**	09/12/13	1196.5	3.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 1								
LB-128	**01061372**	09/12/13	0.0	1.0	100	--	--	**--**

Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address:
Broadbent + Associates, Inc.
8 W. Pacific Ave.
Henderson, NV. 89015

PO / Job#: 12-01-701-901 Date: 9/12/13

Turn Around Time: (Same Day) / 1Day / 2Day / 3Day / 4Day / 5Day

☑ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435

Contact: Ryan Jones

Phone: (702) 677-6205 Fax:

E-mail: rjones@broadbent [redacted]

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

Site: TIMET - Beta Ditch

☐ Metals Analysis: Method:

Matrix:

Site Location: —

Analytes:

Comments:

Report Via: ☐ Fax ☑ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY Type	Time On/Off	Avg. LPM	Total Time	Sample Area / Air Volume
PA-124	9/12/13	W. of Area 6 - Load-out	[AI] [P] [C]	0712 / 1710	2.08		
PA-125		Scaffolding - Area 6 (South)	[AI] [P] [C]	0721 / 1702	2.14		
PA-126		Scaffolding - Area 6 (North)	[AI] [P] [C]	0728 / 1700	2.10	—	—
PA-127		Sample Station 1	[AI] [P] [C]	0731 / 1709	2.07		
LB-128		—	[AI] [P] [C]	— / —	—	—	—
			[AI] [P] [C]				
			[AI] [P] [C]				
			[AI] [P] [C]				
			[AI] [P] [C]				
			[AI] [P] [C]				

Sampled By: Ryan C.G. Date: 9/12/13 Time: 1830

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☑ Drop Off ☐ Other:

Relinquished By:	Relinquished By:	Relinquished By:
Date / Time: 9/12/13 1830	Date / Time:	Date / Time:
Received By:	Received By:	Received By:
Date / Time: 9/13/13 8:00	Date / Time:	Date / Time:
Condition Acceptable? ☑ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

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Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Forensic Analytical Laboratories

Final Report

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Jeremy Holst
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A163202
Date Received: 09/16/13
Date Analyzed: 09/17/13
Date Printed: 09/17/13
First Reported: 09/17/13

Job ID/Site: 12-01-107-901; Timet Beta Ditch; Henderson NV

FALI Job ID: 7345
Total Samples Submitted: 7
Total Samples Analyzed: 7

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**
PA -129	**01061477**	09/13/13	1410.0	5.0	100	<7.0	0.002	**< 0.002**
Location: Air Station #1								
PA -130	**01061478**	09/13/13	1376.0	2.0	100	<7.0	0.002	**< 0.002**
Location: Air Station #2								
PA -131	**01061479**	09/13/13	1324.0	5.0	100	<7.0	0.002	**< 0.002**
Location: Air Station #3								
PA -132	**01061480**	09/13/13	1329.0	5.0	100	<7.0	0.002	**< 0.002**
Location: Air Station #4								
PA -133	**01061481**	09/13/13	1275.0	4.0	100	<7.0	0.002	**< 0.002**
Location: Scaffolding Load Out Area 1								
PA -134	**01061482**	09/13/13	1269.0	4.0	100	<7.0	0.002	**< 0.002**
Location: Scaffolding Load out Area #2								
LB - 135	**01061483**	09/13/13	0.0	0.0	100	--	--	--

Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.

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Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Jeremy Holst
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A163202
Date Received: 09/16/13
Date Analyzed: 09/17/13
Date Printed: 09/17/13
First Reported: 09/17/13

Job ID/Site: 12-01-107-901; Timet Beta Ditch; Henderson NV

FALI Job ID: 7345
Total Samples Submitted: 7
Total Samples Analyzed: 7

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address:
Broadbent & Associates, Inc.
8 W. Pacific Ave.
Henderson, NV 89015.

PO / Job#: 12-01-107901

Date: 9/13/13

Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day

☒ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435

Contact: Jeremy Holst

Phone: (702) 563-0600 Fax: (702) 563-0610

E-mail: jholst@broadbentinc.com

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

Site: Tinet Bota Ditch

Site Location: Henderson, NV

☐ Metals Analysis: Method:

Matrix:

Analytes:

Comments:

Report Via: ☐ Fax ☑ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
PA-129	9/13/13 0637	Air Station #1	AI PI CI	0637 / 1739	2.13	662	1410
PA-130	9/13/13 0647	Air Station #2	AI PI CI	0647 / 1742	2.10	655	1376
PA-131	9/13/13 0700	Air Station #3	AI PI CI	0700 / 1746	2.05	646	1329
PA-132	9/13/13 0708	Air Station #4	AI PI CI	0708 / 1753	2.06	645	1329
PA-133	9/13/13 0720	Scaffolding Loadout Area 1	AI PI CI	0720 / 1727	2.10	607	1275
PA-134	9/13/13 0722	Scaffolding Loadout Area #2	AI PI CI	0722 / 1735	2.07	613	1269
LB-135	9/13/13	Lab Blank	AI PI CI	— / —	NA	NA	NA
			AI PI CI				
			AI PI CI				
			AI PI CI				

Sampled By: Jeremy Holst Date: 9/13/13 Time:

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By: Jeremy Holst	Relinquished By:	Relinquished By:
Date / Time: 9/15/13 1100	Date / Time:	Date / Time:
Received By: [illegible]	Received By:	Received By:
Date / Time: 9/16/13 0800	Date / Time:	Date / Time:
Condition Acceptable? ☑ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Jeremy Holst
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A163207
Date Received: 09/16/13
Date Analyzed: 09/17/13
Date Printed: 09/17/13
First Reported: 09/17/13

Job ID/Site: 12-01-107-901; Timet; Henderson, NV

FALI Job ID: 7345
Total Samples Submitted: 8
Total Samples Analyzed: 8

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**
PA-136	**01061484**	09/14/13	1430.0	3.0	100	<7.0	0.002	**< 0.002**
Location: Air Station #1								
PA-137	**01061485**	09/14/13	1384.0	6.0	100	7.6	0.002	**0.002**
Location: Air Staiton #2								
PA-138	**01061486**	09/14/13	1327.0	2.0	100	<7.0	0.002	**< 0.002**
Location: Air Station #3								
PA-139	**01061487**	09/14/13	1347.0	4.0	100	<7.0	0.002	**< 0.002**
Location: Air Station #4								
LB-140	**01061488**	09/14/13	0.0	0.0	100	--	--	**--**

Comments: This result was used to blank correct the other samples on this report. Blank filters are reported only as number of fibers and fields counted.

PA-140	**01061489**	09/14/13	1170.0	6.0	100	7.6	0.002	**0.003**
Location: Ex. Area 1 on Fence								
PA-141	**01061490**	09/14/13	1134.0	1.0	100	<7.0	0.002	**< 0.002**
Location: Ex Area 1 East Trees								
PA-142	**01061491**	09/14/13	1071.0	5.0	100	<7.0	0.003	**< 0.003**
Location: Ex Area #1 on TMP2 Snow Fencing								

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Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Jeremy Holst
8 West Pacific Avenue

Henderson, NV 89015

Client ID: 7345
Report Number: A163207
Date Received: 09/16/13
Date Analyzed: 09/17/13
Date Printed: 09/17/13
First Reported: 09/17/13

Job ID/Site: 12-01-107-901; Timet; Henderson, NV

FALI Job ID: 7345
Total Samples Submitted: 8
Total Samples Analyzed: 8

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address:
Broadbent & Associates, Inc.
8 W. Pacific Ave
Henderson, NV 89015

PO / Job#: 12-01-107-901
Date: 9/14/13

Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day

☑ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435

☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

Contact: Jeremy Holst

Phone: (702) 563-0600
Fax: (702) 563-0610

E-mail: Sholste.broadbentinc.com

☐ IAQ Particle Identification (PLM LAB)
☐ Particle Identification (TEM LAB)
☐ PLM Opaques/Soot
☐ Special Project

Site: Timet

☐ Metals Analysis: Method:
Matrix:
Analytes:

Site Location: Henderson, NV

Report Via: ☐ Fax ☑ E-Mail ☐ Verbal

Comments:

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY: Type	Time On/Off	Avg. LPM	Total Time	Sample Area / Air Volume
PA-136	9/14/13 0627	Air Station #1	AI PI CI	0627 / 1729	2.16	662	1430
PA-137	9/14/13 0633	Air Station #2	AI PI CI	0633 / 1732	2.10	659	1384
PA-138	9/14/13 0639	Air Station #3	AI PI CI	0639 / 1736	2.02	657	1327
PA-139	9/14/13 0649	Air Station #4	AI PI CI	0649 / 1743	2.06	654	1347
LB-140	9/14/13 0650	Lab Blank	AI PI CI	— / —	—	—	—
PA-140	9/14/13 0736	Ex. Area 1 on Fence	AI PI CI	0736 / 1616	2.25	520	1170
PA-141	9/14/13 0746	Ex Area 1 East Treas	AI PI CI	0746 / 1619	2.21	513	1134
PA-142	9/14/13 0755	Ex Area #1 on TMP2 South Fence	AI PI CI	0755 / 1613	2.15	498	1071
			AI PI CI				
			AI PI CI				

Sampled By: Jeremy Holst Date: 9/14/13 Time:

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By: Jeremy Holst Date / Time: 9/15/13 1100	Relinquished By: Date / Time:	Relinquished By: Date / Time:
Received By: Rachael Ryan Date / Time: 9/16/13 0920 Condition Acceptable? ☑ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030

Forensic Analytical Laboratories

Final Report

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

Broadbent & Associates, Inc.
Ryan Jones
8 West Pacific Avenue

Henderson, NV 89015

Client ID:	7345
Report Number:	A164047
Date Received:	10/01/13
Date Analyzed:	10/02/13
Date Printed:	10/02/13
First Reported:	10/02/13

Job ID/Site: 12-01-701-901; TIMET

FALI Job ID:	7345
Total Samples Submitted:	4
Total Samples Analyzed:	4

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm^2	LOD F/cc	**Fibers/cc**
PA-143	**01062183**	09/16/13	1295.7	4.0	100	<7.0	0.002	**< 0.002**
Location: Sample Station 3								
PA-144	**01062184**	09/16/13	1248.2	5.0	100	<7.0	0.002	**< 0.002**
Location: W. of Area F								
PA-145	**01062185**	09/16/13	1254.0	6.0	100	7.6	0.002	**0.002**
Location: Sample Station 4								
PA-146	**01062186**	09/16/13	1229.3	9.0	100	11.4	0.002	**0.004**
Location: Scaffolding - Area 6								

Rachel Kolberg

Rachel Kolberg, Laboratory Analyst, Las Vegas Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.514; >20 to 50 fibers: 0.608; >50 to 100 fibers: 0.488

6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 / Telephone: (702) 387-0040 / Fax: (702) 784-0030

Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address: Broadbent & Associates, 8 W. Pacific Ave, Henderson, NV 89015	PO / Job#: 12-01-701-901 Date: 9/16/13
	Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day
	☑ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer
	☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435
Contact: Ryan Jones	☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
Phone: (702) 677-6205 Fax:	☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
	☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
	☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)
E-mail: rjones@broadbentinc.com	☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
	☐ Particle Identification (TEM LAB) ☐ Special Project
Site: TIMET	☐ Metals Analysis: Method:
Site Location: —	Matrix:
	Analytes:
Comments:	Report Via: ☐ Fax ☑ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY Type	Time On/Off	Avg. LPM	Total Time	Sample Area / Air Volume
PA-143	9/16/13	Sample Station 3	Al Pi Ci	0704 / 1721	2.10		
PA144	"	W. of Area F	Al Pi Ci	0715 / 1718	2.07		
PA-145	"	Sample Station 4	Al Pi Ci	0724 / 1710	2.14		
PA-146	"	Scaffolding - Area 6.	Al Pi Ci	0727 / 1707	2.08		
			Al Pi Ci				
			Al Pi Ci				
			Al Pi Ci				
			Al Pi Ci				
			Al Pi Ci				
			Al Pi Ci				

Sampled By: Ryan J Date: 9/16/13 Time: 1830

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By:	Relinquished By:	Relinquished By:
Date / Time: 9/16/13 1830	Date / Time:	Date / Time:
Received By:	Received By:	Received By:
Date / Time: 10/1/13 1237	Date / Time:	Date / Time:
Condition Acceptable? ☑ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545-2761 / Ph: (510)887-8828 * (800)827-3274 / Fax: (510)887-4218
Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Ph: (310)763-2374 * (888)813-9417 / Fax: (310)763-4450
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, Nevada 89119 / Ph: (702)784-0040 / Fax: (702)784-0030