

Shooting Star

Mining Company, LLC

April 30, 2014



Mr. David J. Ennis, P.G.
Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Permit Modification Fee; Permit No. GR058NM; Billali Mine

Dear DJ:

As requested, attached please find a \$250 check from Shooting Star, payable to New Mexico Mining and Minerals Department. This check is to cover the Permit Modification Fee you discussed with Mark Livingston this morning.

We appreciate your help in assisting us in resolving this matter. Should you need any additional information, please do not hesitate to contact me at (214) 957-0034, or Mark Livingston at (214) 500-1406.

Sincerely,

Robert E. Byerley, Jr.
President

attachment

cc: Mr. Mark Livingston



Shooting Star

Mining Company, LLC

April 28, 2014

Via Overnight Delivery

Mr. David J. Ennis, P.G.
Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

RECEIVED

APR 29 2014

MINING & MINERALS DIVISION

Re: Transfer of Permit No. GR058NM; Billali Mine

Dear DJ:

As requested, attached please find the following items related to the transfer of Permit No. GR058NM related to the Billali Mine:

- On behalf of Shooting Star Mining Company, LLC, as "Transferee" or "Applicant," the signed and notarized Transfer of Permit. As Mark Livingston has discussed with you, hopefully the signed and notarized Transfer of Permit from the "Transferor" (Billali Mine, LLC, et al) will be delivered to you on or before the close of business on April 30, 2014.
- A hard copy of the Bureau of Land Management's Standard Form 299. It is our understanding that the Energy, Minerals and Natural Resources Department of New Mexico has agree to use this Standard Form 299 as Shooting Star's request to modify Permit No. GR058NM to allow mine dewatering.
- A \$1,500 Shooting Star check made payable to the New Mexico Mining and Minerals Division. This check is in payment of Notice of Violation No. N13-20-06 which was issued against Billali Mine, LLC, et al, on December 11, 2013.

We appreciate your help in assisting us in resolving this matter. Should you need any additional information, please do not hesitate to contact me at (214) 957-0034, or Mark Livingston at (214) 500-1406.

Sincerely,



Robert E. Byerley, Jr.
President

attachments

cc: Mr. Mark Livingston
Mr. Seth Fullerton

APPLICATION FOR TRANSPORTATION AND
UTILITY SYSTEMS AND FACILITIES
ON FEDERAL LANDS

FORM APPROVED
OMB Control Number: 0596-0082
Expiration Date: 10/31/2012

FOR AGENCY USE ONLY

NOTE: Before completing and filing the application, the applicant should completely review this package and schedule a preapplication meeting with representatives of the agency responsible for processing the application. Each agency may have specific and unique requirements to be met in preparing and processing the application. Many times, with the help of the agency representative, the application can be completed at the preapplication meeting.

Application Number

Date Filed

1. Name and address of applicant (*include zip code*)

Shooting Star Mining Company, LLC
4099 McEwen Road, Suite 150
Dallas, Texas 75244-5053

2. Name, title, and address of authorized agent if
different from item 1 (*include zip code*)

Robert E. Byerley, Jr., President
Shooting Star Mining Company, LLC
Same address as Applicant
(214) 957-0034

3. Telephone (area code)

Applicant

Authorized Agent

4. As applicant are you? (*check one*)

- a. ☐ Individual
b. ☐ Corporation*
c. ☒ Partnership/Association*
d. ☐ State Government/State Agency
e. ☐ Local Government
f. ☐ Federal Agency

* If checked, complete supplemental page

5. Specify what application is for: (*check one*)

- a. ☒ New authorization
b. ☐ Renewing existing authorization No.
c. ☐ Amend existing authorization No.
d. ☐ Assign existing authorization No.
e. ☐ Existing use for which no authorization has been received *
f. ☐ Other*

* If checked, provide details under item 7

6. If an individual, or partnership are you a citizen(s) of the United States? ☒ Yes ☐ No

7. Project description (describe in detail): (a) Type of system or facility, (*e.g., canal, pipeline, road*); (b) related structures and facilities; (c) physical specifications (*Length, width, grading, etc.*); (d) term of years needed; (e) time of year of use or operation; (f) Volume or amount of product to be transported; (g) duration and timing of construction; and (h) temporary work areas needed for construction (*Attach additional sheets, if additional space is needed.*)

See attachment "Project Description"

8. Attach a map covering area and show location of project proposal

9. State or Local government approval: ☐ Attached ☐ Applied for ☒ Not Required

10. Nonreturnable application fee: ☒ Attached ☐ Not required

11. Does project cross international boundary or affect international waterways? ☐ Yes ☒ No (*if "yes," indicate on map*)

12. Give statement of your technical and financial capability to construct, operate, maintain, and terminate system for which authorization is being requested.

The Applicant possesses sufficient cash-on-hand to construct, operate, maintain, and terminate/reclaim the requested right of way.

13a. Describe other reasonable alternative routes and modes considered.

See attachment "Reasonable Alternative Routes and Modes Considered"

b. Why were these alternatives not selected?

See attachment "Reasonable Alternative Routes and Modes Considered"

c. Give explanation as to why it is necessary to cross Federal Lands.

See attachment "Reasonable Alternative Routes and Modes Considered"

14. List authorizations and pending applications filed for similar projects which may provide information to the authorizing agency. (Specify number, date, code, or name)

None

15. Provide statement of need for project, including the economic feasibility and items such as: (a) cost of proposal (construction, operation, and maintenance); (b) estimated cost of next best alternative; and (c) expected public benefits.

See attachment "Statement of Need for Project"

16. Describe probable effects on the population in the area, including the social and economic aspects, and the rural lifestyles.

The area of the Billali Mine is extremely remote and there are very few inhabitants in the region of the Steeple Rock Mining District. The probable effects of Applicant's for a temporary right of way or easement are nil to extremely limited upon the social and economic aspects of inhabitants in the area.

17. Describe likely environmental effects that the proposed project will have on: (a) air quality; (b) visual impact; (c) surface and ground water quality and quantity; (d) the control or structural change on any stream or other body of water; (e) existing noise levels; and (f) the surface of the land, including vegetation, permafrost, soil, and soil stability.

It is highly unlikely that Applicant's water discharge project will have any effect upon air quality, visual aesthetics of the area, surface or ground water quality, or land surface (including vegetation, permafrost, soil and soil stability).

18. Describe the probable effects that the proposed project will have on (a) populations of fish, plantlife, wildlife, and marine life, including threatened and endangered species; and (b) marine mammals, including hunting, capturing, collecting, or killing these animals.

Given the temporary nature of Applicant's request for a right of way or easement across Federal Lands as proposed herein, it is not expected that the proposed project will have any effect upon populations of fish, plant life, wildlife, or marine life (to include any endangered species or marine mammals).

19. State whether any hazardous material, as defined in this paragraph, will be used, produced, transported or stored on or within the right-of-way or any of the right-of-way facilities, or used in the construction, operation, maintenance or termination of the right-of-way or any of its facilities.

"Hazardous material" means any substance, pollutant or contaminant that is listed as hazardous under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, 42 U.S.C. 9601 et seq., and its regulations. The definition of hazardous substances under CERCLA includes any "hazardous waste" as defined in the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, 42 U.S.C. 6901 et seq., and its regulations. The term hazardous materials also includes any nuclear or byproduct material as defined by the Atomic Energy Act of 1954, as amended, 42 U.S.C. 2011 et seq. The term does not include petroleum, including crude oil or any fraction thereof that is not otherwise specifically listed or designated as a hazardous substance under CERCLA Section 101(14), 42 U.S.C. 9601(14), nor does the term include natural gas.

No hazardous material of any kind will be used, produced, transported, or stored within the right of way or used in the construction, operation, maintenance or termination of the easement. The water discharge lines to be laid upon and within the requested right of way across Federal Lands will carry water only and the subsurface water to be discharged from the Billali Mine has been tested for water quality and the analysis of such water has been reported upon by a reputable area laboratory (see attached "Water Sample Report").

20. Name all the Department(s)/Agency(ies) where this application is being filed.

Bureau of Land Management, Las Cruces, New Mexico

I HEREBY CERTIFY, That I am of legal age and authorized to do business in the State and that I have personally examined the information contained in the application and believe that the information submitted is correct to the best of my knowledge.

Signature of Applicant



Date

3/25/14

Title 18, U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

GENERAL INFORMATION
ALASKA NATIONAL INTEREST LANDS

This application will be used when applying for a right-of-way, permit, license, lease, or certificate for the use of Federal lands which lie within conservation system units and National Recreation or Conservation Areas as defined in the Alaska National Interest Lands Conservation Act. Conservation system units include the National Park System, National Wildlife Refuge System, National Wild and Scenic Rivers System, National Trails System, National Wilderness Preservation System, and National Forest Monuments.

Transportation and utility systems and facility uses for which the application may be used are:

1. Canals, ditches, flumes, laterals, pipes, pipelines, tunnels, and other systems for the transportation of water.
2. Pipelines and other systems for the transportation of liquids other than water, including oil, natural gas, synthetic liquid and gaseous fuels, and any refined product produced therefrom.
3. Pipelines, slurry and emulsion systems, and conveyor belts for transportation of solid materials.
4. Systems for the transmission and distribution of electric energy.
5. Systems for transmission or reception of radio, television, telephone, telegraph, and other electronic signals, and other means of communications.
6. Improved right-of-way for snow machines, air cushion vehicles, and all-terrain vehicles.
7. Roads, highways, railroads, tunnels, tramways, airports, landing strips, docks, and other systems of general transportation.

This application must be filed simultaneously with each Federal department or agency requiring authorization to establish and operate your proposal.

In Alaska, the following agencies will help the applicant file an application and identify the other agencies the applicant should contact and possibly file with:

Department of Agriculture
Regional Forester, Forest Service (USFS)
Federal Office Building,
P.O. Box 21628
Juneau, Alaska 99802-1628
Telephone: (907) 586-7847 (or a local Forest Service Office)

Department of the Interior
Bureau of Indian Affairs (BIA)
Juneau Area Office
Federal Building Annex
9109 Mendenhall Mall Road, Suite 5
Juneau, Alaska 99802
Telephone: (907) 586-7177

Department of the Interior
Bureau of Land Management
222 West 7th Avenue
P.O. Box 13
Anchorage, Alaska 99513-7599
Telephone: (907) 271-5477 (or a local BLM Office)

U.S. Fish & Wildlife Service (FWS)
Office of the Regional Director
1011 East Tudor Road
Anchorage, Alaska 99503
Telephone: (907) 786-3440

National Park Service (NPA)
Alaska Regional Office, 2225
Gambell St., Rm. 107
Anchorage, Alaska 99502-2892
Telephone: (907) 786-3440

Note - Filings with any Interior agency may be filed with any office noted above or with the Office of the Secretary of the Interior, Regional Environmental Office, P.O. Box 120, 1675 C Street, Anchorage, Alaska 9513.

Department of Transportation
Federal Aviation Administration
Alaska Region AAL-4, 222 West 7th Ave., Box 14
Anchorage, Alaska 99513-7587
Telephone: (907) 271-5285

NOTE - The Department of Transportation has established the above central filing point for agencies within that Department. Affected agencies are: Federal Aviation Administration (FAA), Coast Guard (USCG), Federal Highway Administration (FHWA), Federal Railroad Administration (FRA)

OTHER THAN ALASKA NATIONAL INTEREST LANDS

Use of this form is not limited to National Interest Conservation Lands of Alaska.

Individual department/agencies may authorize the use of this form by applicants for transportation and utility systems and facilities on other Federal lands outside those areas described above.

For proposals located outside of Alaska, applications will be filed at the local agency office or at a location specified by the responsible Federal agency.

SPECIFIC INSTRUCTIONS
(Items not listed are self-explanatory)

- 7 Attach preliminary site and facility construction plans. The responsible agency will provide instructions whenever specific plans are required.
- 8 Generally, the map must show the section(s), township(s), and range(s) within which the project is to be located. Show the proposed location of the project on the map as accurately as possible. Some agencies require detailed survey maps. The responsible agency will provide additional instructions.
- 9, 10, and 12 The responsible agency will provide additional instructions.
- 13 Providing information on alternate routes and modes in as much detail as possible, discussing why certain routes or modes were rejected and why it is necessary to cross Federal lands will assist the agency(ies) in processing your application and reaching a final decision. Include only reasonable alternate routes and modes as related to current technology and economics.
- 14 The responsible agency will provide instructions.
- 15 Generally, a simple statement of the purpose of the proposal will be sufficient. However, major proposals located in critical or sensitive areas may require a full analysis with additional specific information. The responsible agency will provide additional instructions.
- 16 through 19 Providing this information in as much detail as possible will assist the Federal agency(ies) in processing the application and reaching a decision. When completing these items, you should use a sound judgment in furnishing relevant information. For example, if the project is not near a stream or other body of water, do not address this subject. The responsible agency will provide additional instructions.

Application must be signed by the applicant or applicant's authorized representative.

EFFECT OF NOT PROVIDING INFORMATION: Disclosure of the information is voluntary. If all the information is not provided, the application may be rejected.

DATA COLLECTION STATEMENT

The Federal agencies collect this information from applicants requesting right-of-way, permit, license, lease, or certification for the use of Federal lands. The Federal agencies use this information to evaluate the applicant's proposal. The public is obligated to submit this form if they wish to obtain permission to use Federal lands.

SUPPLEMENTAL

NOTE: The responsible agency(ies) will provide instructions	CHECK APPROPRIATE BLOCK	
I - PRIVATE CORPORATIONS	ATTACHED	FILED*
a. Articles of Incorporation	<input type="checkbox"/>	<input type="checkbox"/>
b. Corporation Bylaws	<input type="checkbox"/>	<input type="checkbox"/>
c. A certification from the State showing the corporation is in good standing and is entitled to operate within the State	<input type="checkbox"/>	<input type="checkbox"/>
d. Copy of resolution authorizing filing	<input type="checkbox"/>	<input type="checkbox"/>
e. The name and address of each shareholder owning 3 percent or more of the shares, together with the number and percentage of any class of voting shares of the entity which such shareholder is authorized to vote and the name and address of each affiliate of the entity together with, in the case of an affiliate controlled by the entity, the number of shares and the percentage of any class of voting stock of that affiliate owned, directly or indirectly, by that entity, and in the case of an affiliate which controls that entity, the number of shares and the percentage of any class of voting stock of that entity owned, directly or indirectly, by the affiliate.	<input type="checkbox"/>	<input type="checkbox"/>
f. If application is for an oil or gas pipeline, describe any related right- of-way or temporary use permit applications, and identify previous applications.	<input type="checkbox"/>	<input type="checkbox"/>
g. If application is for an oil and gas pipeline, identify all Federal lands by agency impacted by proposal.	<input type="checkbox"/>	<input type="checkbox"/>
II - PUBLIC CORPORATIONS		
a. Copy of law forming corporation	<input type="checkbox"/>	<input type="checkbox"/>
b. Proof of organization	<input type="checkbox"/>	<input type="checkbox"/>
c. Copy of Bylaws	<input type="checkbox"/>	<input type="checkbox"/>
d. Copy of resolution authorizing filing	<input type="checkbox"/>	<input type="checkbox"/>
e. If application is for an oil or gas pipeline, provide information required by item "I - f" and "I - g" above.	<input type="checkbox"/>	<input type="checkbox"/>
III - PARTNERSHIP OR OTHER UNINCORPORATED ENTITY		
a. Articles of association, if any	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. If one partner is authorized to sign, resolution authorizing action is	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Name and address of each participant, partner, association, or other	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. If application is for an oil or gas pipeline, provide information required by item "I - f" and "I - g" above.	<input type="checkbox"/>	<input type="checkbox"/>

*If the required information is already filed with the agency processing this application and is current, check block entitled "Filed." Provide the file identification information (e.g., number, date, code, name). If not on file or current, attach the requested information.

NOTICES

Note: This applies to the Department of Agriculture/Forest Service (FS)

This information is needed by the Forest Service to evaluate the requests to use National Forest System lands and manage those lands to protect natural resources, administer the use, and ensure public health and safety. This information is required to obtain or retain a benefit. The authority for that requirement is provided by the Organic Act of 1897 and the Federal Land Policy and Management Act of 1976, which authorize the secretary of Agriculture to promulgate rules and regulations for authorizing and managing National Forest System lands. These statutes, along with the Term Permit Act, National Forest Ski Area Permit Act, Granger-Thye Act, Mineral Leasing Act, Alaska Term Permit Act, Act of September 3, 1954, Wilderness Act, National Forest Roads and Trails Act, Act of November 16, 1973, Archeological Resources Protection Act, and Alaska National Interest Lands Conservation Act, authorize the Secretary of Agriculture to issue authorizations or the use and occupancy of National Forest System lands. The Secretary of Agriculture's regulations at 36 CFR Part 251, Subpart B, establish procedures for issuing those authorizations.

BURDEN AND NONDISCRIMINATION STATEMENTS

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0596-0082. The time required to complete this information collection is estimated to average 8 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720- 2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call toll free (866) 632-9992 (voice). TDD users can contact USDA through local relay or the Federal relay at (800) 877-8339 (TDD) or (866) 377-8642 (relay voice). USDA is an equal opportunity provider and employer.

The Privacy Act of 1974 (5 U.S.C. 552a) and the Freedom of Information Act (5 U.S.C. 552) govern the confidentiality to be provided for information received by the Forest Service.

Summary of Attachments

Attachments Referenced in Standard Form 299:

- Project Description (referenced under Section 7)
- Map (referenced under Section 8)
- Nonreturnable Application Fee (referenced under Section 10)
- Reasonable Alternative Routes and Modes Considered (referenced under Sections 13a, 13b, and 13c)
- Statement of Need for Project (referenced under Section 15)
- Water Sample Report (referenced under Section 19)

Attachments Referenced in Supplemental to Standard Form 299:

- Articles of Association (referenced under Section IIIa, including other authority to do business filings):
 - Texas Certificate of Filing
 - Texas Franchise Tax Account Status
 - New Mexico Certificate of Registration
- Resolution of Shooting Star Mining Company, LLC (referenced under Section IIIb)
- Ownership of Shooting Star Mining Company, LLC, as of December 31, 2013 (referenced under Section IIIc)

Project Description

Applicant proposes a pipeline to carry subsurface potable water from the Billali Mine to the locations identified in Section 13 a). The pipeline will be constructed utilizing 6-inch aluminum pipe in lengths of 20, 30, and 40 feet length segments, traversing approximately 1,000 feet, or less, across Federal Lands. The pipeline will be installed and assembled by hand without the use of any trenching or other excavation equipment. The pipeline will lie on top of Federal Lands without the necessity of vegetation clearing. No grading work upon Federal Lands will be necessary for Applicant to install the pipeline. There will be no related structures or facilities upon Federal Lands in association with the pipeline, other than a wooden trestle approximately one foot high, four feet wide, and approximately 16 feet long encasing the pipeline as it runs across a bladed road entering the Billali Mine Patent. Applicant's request for a right of way is temporary and limited to one year. The easement or right of way requested will be utilized year round during the temporary term requested herein. The pipeline will carry roughly 200 gallons per minute of subsurface potable water until the Billali Mine is dewatered. Dewatering initially will last one to two weeks and, thereafter, dewatering of freshly made subsurface water will continue for an additional 4-6 weeks while Applicant conducts an underground core rig drilling program. Applicant proposes to commence construction of the pipeline immediately upon securing approval of its request by the BLM. Construction will take approximately one week to complete. Other than the wooden trestle encasing the pipeline as it runs across the bladed road entering the Billali Mine Patent, no temporary work areas are needed or contemplated, nor will any grading or excavation be required.

6" TEMP WATER LINE

6" aluminum & HDPE pipe to
be placed by hand over
existing grade

PRIVATE

TEMP BOOSTER PUMP

Pump to be used 10
days. Will be removed.

BLM

Billall

Nonreturnable Application Fee

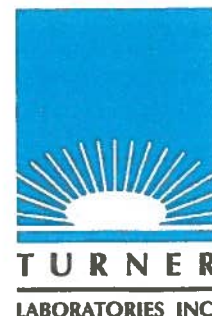
The nonreturnable application fee will be submitted immediately by the Applicant upon the BLM's advice of the fee amount required.

Reasonable Alternative Routes and Modes Considered

- a) To accomplish mine dewatering, Applicant is required to transmit water from its Billali Mine Portal to two (2) locations: (i) Norman King Shaft (Lat 32 deg 53' 07.82" N, Long 108 deg 59' 06.08 W), and (ii) private lands adjacent to Billali Mine Patent owned by Larry and Phyllis Monzingo, d/b/a Bar V Five Ranch. Out of necessity, Applicant has determined, with BLM permission pursuant to this Application for Transportation and Utility Systems and Facilities on Federal Lands, to run water discharge lines in the most direct, shortest possible routes to the locations indicated herein as visualized on the Map provided in Section 8. There are no alternative routes available to Applicant to accomplish dewatering of the Billali Mine.
- b) No alternative routes are available to Applicant.
- c) It is necessary to cross Federal Lands as proposed herein because Federal Lands lie between the Billali Mine Portal and discharge locations identified in a) above.

Statement of Need for Project

Applicant acquired the Billali Mine on November 30, 2012. Since the acquisition date, Applicant has expended approximately \$2.3 million to develop the mine to a depth of roughly 5100' and advance the main decline 1600' from the main portal. Sub-surface water was encountered in June 2013 and the mine is currently flooded with approximately 750,000 gallons of water. If Applicant is unable to dewater the mine, Applicant's total development investment of \$2.3 million dollars, plus its purchase price cash payments of approximately \$522,000, will be lost and unrecoverable. The cost of dewatering the mine is approximately \$174,000, plus the cost of laying water discharge lines across Federal Lands as requested herein, of approximately \$20,000. Operation of the proposed water discharge lines is minimal, as is associated maintenance during the temporary right of way or easement term of one year. There is no alternative route for Applicant as explained herein and accordingly the cost of any alternative route cannot be estimated. Suggested public benefits of the temporary right of way or easement proposed herein are as follows: (i) continuation of mine development work will employ local miners as well as payments of sales and use taxes on equipment rentals and materials purchased in the local area, and (ii) if Applicant is successful in dewatering the mine and development of the mine leads to mineralized ore extraction, royalties and taxes will ultimately be paid to the State of New Mexico.



January 21, 2014

Leslie Billingsley
Billali LLC
53 Carlisle Rd.
Duncan, AZ 85534

TEL -
FAX -

Work Order No.: 14A0133

RE: Billali Mine

Dear Leslie Billingsley,

Turner Laboratories, Inc. received 1 sample(s) on 01/06/2014 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Terri Garcia
Technical Director

Client: Billali LLC
Project: Billali Mine
Work Order: 14A0133
Date Received: 01/06/2014

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
14A0133-01	1-6-2014	Non-Potable Water	01/06/2014 0900

Client: Billali LLC
Project: Billali Mine
Work Order: 14A0133
Date Received: 01/06/2014

Case Narrative

- H1 Sample analysis was performed past holding time.
- H5 This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
- M3 The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS/LCSD recovery was acceptable.
- M4 The analysis of the spiked sample required a dilution such that the calculation does not provide useful information. The associated LCS/LCSD recovery was acceptable.
- M7 Matrix spike recovery was low. Data reported per ADEQ policy 0154.000. Matrix interference was confirmed.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

- ND Not Detected at or above the PQL
- PQL Practical Quantitation Limit
- DF Dilution Factor

Client: Billali LLC
 Project: Billali Mine
 Work Order: 14A0133
 Lab Sample ID: 14A0133-01

Client Sample ID: 1-6-2014
 Collection Date/Time: 01/06/2014 0900
 Matrix: Non-Potable Water

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
ICP Total Metals-E200.7								
Aluminum	ND	2.0		mg/L	1	01/08/2014 0815	01/09/2014 1117	RAD
Barium	ND	0.050		mg/L	1	01/08/2014 0815	01/09/2014 1117	RAD
Boron	ND	0.10		mg/L	1	01/08/2014 0815	01/10/2014 1552	RAD
Cadmium	ND	0.0020		mg/L	1	01/08/2014 0815	01/09/2014 1117	RAD
Chromium	ND	0.030		mg/L	1	01/08/2014 0815	01/09/2014 1117	RAD
Copper	ND	0.020		mg/L	1	01/08/2014 0815	01/09/2014 1117	RAD
Iron	ND	0.30		mg/L	1	01/08/2014 0815	01/09/2014 1117	RAD
Lead	ND	0.040		mg/L	1	01/08/2014 0815	01/09/2014 1117	RAD
Manganese	0.42	0.020		mg/L	1	01/08/2014 0815	01/09/2014 1117	RAD
Molybdenum	0.036	0.010		mg/L	1	01/08/2014 0815	01/09/2014 1117	RAD
Nickel	ND	0.050		mg/L	1	01/08/2014 0815	01/09/2014 1117	RAD
Selenium	ND	0.040		mg/L	1	01/08/2014 0815	01/09/2014 1117	RAD
Silver	ND	0.010		mg/L	1	01/08/2014 0815	01/09/2014 1117	RAD
Zinc	2.3	0.040		mg/L	1	01/08/2014 0815	01/09/2014 1117	RAD
CVAA Total Mercury-E245.1								
Mercury	ND	0.0010		mg/L	1	01/09/2014 1150	01/10/2014 1122	RAD
Anions by Ion Chromatography-E300								
Chloride	11	1.0		mg/L	1	01/06/2014 1000	01/06/2014 1712	EW
Fluoride	2.0	0.50		mg/L	1	01/06/2014 1000	01/06/2014 1712	EW
Nitrogen, Nitrate (As N)	11	1.0		mg/L	2	01/07/2014 1000	01/07/2014 1454	EW
Sulfate	430	130		mg/L	25	01/07/2014 1000	01/07/2014 1435	EW
Total Dissolved Solids (Residue, Filterable)-SM2540 C								
Total Dissolved Solids (Residue, Filterable)	850	20	H1	mg/L	1	01/13/2014 0935	01/14/2014 1535	AC
Cyanide-SM4500-CN BE								
Cyanide	ND	0.10		mg/L	1	01/13/2014 0830	01/13/2014 1700	EW
pH-SM4500-H+ B								
pH (pH Units)	7.3	0.0	H5	-	1	01/06/2014 1550	01/06/2014 1553	WS
Temperature (°C)	20		H5	-	1	01/06/2014 1550	01/06/2014 1553	WS

Client: Billali LLC
 Project: Billali Mine
 Work Order: 14A0133
 Date Received: 01/06/2014

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1401072 - E200.7										
Blank (1401072-BLK1)										
Prepared: 01/08/2014 Analyzed: 01/09/2014										
Aluminum	ND	2.0	mg/L							
Barium	ND	0.050	mg/L							
Boron	ND	0.10	mg/L							
Cadmium	ND	0.0020	mg/L							
Chromium	ND	0.030	mg/L							
Copper	ND	0.020	mg/L							
Iron	ND	0.30	mg/L							
Lead	ND	0.040	mg/L							
Manganese	ND	0.020	mg/L							
Molybdenum	ND	0.010	mg/L							
Nickel	ND	0.050	mg/L							
Selenium	ND	0.040	mg/L							
Silver	ND	0.010	mg/L							
Zinc	ND	0.040	mg/L							
LCS (1401072-BS1)										
Prepared: 01/08/2014 Analyzed: 01/09/2014										
Aluminum	2.0	2.0	mg/L	2.000		102	85-115			
Barium	2.0	0.050	mg/L	2.000		98	85-115			
Boron	1.0	0.10	mg/L	1.000		104	85-115			
Cadmium	0.049	0.0020	mg/L	0.05000		98	85-115			
Chromium	0.21	0.030	mg/L	0.2000		103	85-115			
Copper	0.25	0.020	mg/L	0.2500		99	85-115			
Iron	0.96	0.30	mg/L	1.000		96	85-115			
Lead	0.49	0.040	mg/L	0.5000		98	85-115			
Manganese	0.51	0.020	mg/L	0.5000		101	85-115			
Molybdenum	0.98	0.010	mg/L	1.000		98	85-115			
Nickel	0.50	0.050	mg/L	0.5000		101	85-115			
Selenium	2.0	0.040	mg/L	2.000		101	85-115			
Silver	0.050	0.010	mg/L	0.05000		99	85-115			
Zinc	0.51	0.040	mg/L	0.5000		101	85-115			
LCS Dup (1401072-BSD1)										
Prepared: 01/08/2014 Analyzed: 01/09/2014										
Aluminum	2.0	2.0	mg/L	2.000		100	85-115	2	20	
Barium	1.9	0.050	mg/L	2.000		97	85-115	1	20	
Boron	1.0	0.10	mg/L	1.000		104	85-115	0.2	20	
Cadmium	0.049	0.0020	mg/L	0.05000		97	85-115	0.7	20	
Chromium	0.20	0.030	mg/L	0.2000		102	85-115	0.8	20	
Copper	0.24	0.020	mg/L	0.2500		98	85-115	1	20	
Iron	0.96	0.30	mg/L	1.000		96	85-115	0.8	20	
Lead	0.49	0.040	mg/L	0.5000		97	85-115	0.7	20	
Manganese	0.50	0.020	mg/L	0.5000		100	85-115	1	20	
Molybdenum	0.96	0.010	mg/L	1.000		96	85-115	1	20	
Nickel	0.50	0.050	mg/L	0.5000		100	85-115	0.8	20	
Selenium	2.0	0.040	mg/L	2.000		100	85-115	0.5	20	
Silver	0.050	0.010	mg/L	0.05000		99	85-115	0.2	20	
Zinc	0.50	0.040	mg/L	0.5000		100	85-115	1	20	

Client: Billali LLC
 Project: Billali Mine
 Work Order: 14A0133
 Date Received: 01/06/2014

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1401072 - E200.7										
Matrix Spike (1401072-MS1)		Source: 14A0152-02		Prepared: 01/08/2014 Analyzed: 01/09/2014						
Aluminum	2.1	2.0	mg/L	2.000	ND	105	70-130			
Barium	1.8	0.050	mg/L	2.000	0.065	88	70-130			
Cadmium	0.042	0.0020	mg/L	0.05000	ND	84	70-130			
Chromium	0.19	0.030	mg/L	0.2000	0.0023	94	70-130			
Copper	0.26	0.020	mg/L	0.2500	0.019	98	70-130			
Iron	1.0	0.30	mg/L	1.000	0.12	89	70-130			
Lead	0.44	0.040	mg/L	0.5000	ND	87	70-130			
Manganese	0.46	0.020	mg/L	0.5000	0.0070	90	70-130			
Molybdenum	1.3	0.010	mg/L	1.000	0.38	95	70-130			
Nickel	0.47	0.050	mg/L	0.5000	0.0073	92	70-130			
Selenium	1.8	0.040	mg/L	2.000	ND	92	70-130			
Silver	0.045	0.010	mg/L	0.05000	0.00088	88	70-130			
Zinc	0.60	0.040	mg/L	0.5000	0.16	88	70-130			
Matrix Spike (1401072-MS2)		Source: 14A0198-01		Prepared: 01/08/2014 Analyzed: 01/09/2014						
Aluminum	8.7	20	mg/L	2.000	6.3	122	70-130			
Barium	0.18	0.50	mg/L	2.000	0.14	2	70-130			M4
Cadmium	0.041	0.020	mg/L	0.05000	0.0043	74	70-130			
Chromium	0.64	0.30	mg/L	0.2000	0.47	83	70-130			
Copper	8.0	0.20	mg/L	0.2500	7.9	21	70-130			M4
Iron	41	3.0	mg/L	1.000	41	22	70-130			M4
Lead	0.041	0.40	mg/L	0.5000	ND	8	70-130			M4
Manganese	6.2	0.20	mg/L	0.5000	6.0	36	70-130			M4
Molybdenum	360	0.10	mg/L	1.000	350	171	70-130			M3
Nickel	3.8	0.50	mg/L	0.5000	3.3	87	70-130			
Selenium	2.1	0.40	mg/L	2.000	0.21	97	70-130			
Silver	0.057	0.10	mg/L	0.05000	0.013	89	70-130			
Zinc	5.5	0.40	mg/L	0.5000	5.3	47	70-130			M4
Batch 1401082 - E245.1										
Blank (1401082-BLK1)		Prepared: 01/09/2014 Analyzed: 01/10/2014								
Mercury	ND	0.0010	mg/L							
LCS (1401082-BS1)		Prepared: 01/09/2014 Analyzed: 01/10/2014								
Mercury	0.0050	0.0010	mg/L	0.005000		100	85-115			
LCS Dup (1401082-BSD1)		Prepared: 01/09/2014 Analyzed: 01/10/2014								
Mercury	0.0052	0.0010	mg/L	0.005000		103	85-115	3	20	
Matrix Spike (1401082-MS1)		Source: 14A0152-02		Prepared: 01/09/2014 Analyzed: 01/10/2014						
Mercury	0.0050	0.0010	mg/L	0.005000	ND	100	85-115			
Matrix Spike (1401082-MS2)		Source: 14A0198-01		Prepared: 01/09/2014 Analyzed: 01/10/2014						
Mercury	0.0020	0.0010	mg/L	0.005000	0.00026	35	85-115			M7
Matrix Spike Dup (1401082-MSD1)		Source: 14A0152-02		Prepared: 01/09/2014 Analyzed: 01/10/2014						
Mercury	0.0050	0.0010	mg/L	0.005000	ND	100	85-115	0.08	20	
Matrix Spike Dup (1401082-MSD2)		Source: 14A0198-01		Prepared: 01/09/2014 Analyzed: 01/10/2014						
Mercury	0.0016	0.0010	mg/L	0.005000	0.00026	26	85-115	25	20	M7

Client: Billali LLC
 Project: Billali Mine
 Work Order: 14A0133
 Date Received: 01/06/2014

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1401049 - SM4500-H+ B										
Duplicate (1401049-DUP1)		Source: 14A0133-01		Prepared & Analyzed: 01/06/2014						
pH (pH Units)	7.3	0.0	-		7.3			0.4	200	
Temperature (°C)	22		-		20			6	200	
Batch 1401119 - SM4500-CN BE										
Blank (1401119-BLK1)		Prepared & Analyzed: 01/13/2014								
Cyanide	ND	0.10	mg/L							
LCS (1401119-BS1)		Prepared & Analyzed: 01/13/2014								
Cyanide	1.9	0.10	mg/L	2.000		93	90-110			
LCS Dup (1401119-BSD1)		Prepared & Analyzed: 01/13/2014								
Cyanide	2.0	0.10	mg/L	2.000		102	90-110	9	20	
Matrix Spike (1401119-MS1)		Source: 14A0187-03		Prepared & Analyzed: 01/13/2014						
Cyanide	1.9	0.10	mg/L	2.000	0.056	90	70-130			
Matrix Spike Dup (1401119-MSD1)		Source: 14A0187-03		Prepared & Analyzed: 01/13/2014						
Cyanide	2.0	0.10	mg/L	2.000	0.056	96	70-130	6	20	
Batch 1401163 - SM2540 C										
Duplicate (1401163-DUP1)		Source: 14A0151-01		Prepared: 01/13/2014 Analyzed: 01/14/2014						
Total Dissolved Solids (Residue, Filterable)	560	20	mg/L		570			2	5	
Duplicate (1401163-DUP2)		Source: 14A0152-02		Prepared: 01/13/2014 Analyzed: 01/14/2014						
Total Dissolved Solids (Residue, Filterable)	800	20	mg/L		790			1	5	

Client: Billali LLC
 Project: Billali Mine
 Work Order: 14A0133
 Date Received: 01/06/2014

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1401038 - E300										
Blank (1401038-BLK1)				Prepared & Analyzed: 01/06/2014						
Chloride	ND	1.0	mg/L							
Fluoride	ND	0.50	mg/L							
Nitrogen, Nitrate (As N)	ND	0.50	mg/L							
Sulfate	ND	5.0	mg/L							
LCS (1401038-BS1)				Prepared & Analyzed: 01/06/2014						
Chloride	12	1.0	mg/L	12.50		95	90-110			
Fluoride	2.1	0.50	mg/L	2.000		103	90-110			
Nitrogen, Nitrate (As N)	4.8	0.50	mg/L	5.000		97	90-110			
Sulfate	12	5.0	mg/L	12.50		99	90-110			
LCS Dup (1401038-BSD1)				Prepared & Analyzed: 01/06/2014						
Chloride	12	1.0	mg/L	12.50		96	90-110	0.3	10	
Fluoride	2.1	0.50	mg/L	2.000		103	90-110	0.1	10	
Nitrogen, Nitrate (As N)	4.8	0.50	mg/L	5.000		97	90-110	0.1	10	
Sulfate	12	5.0	mg/L	12.50		99	90-110	0.3	10	
Matrix Spike (1401038-MS1)				Source: 14A0104-01	Prepared & Analyzed: 01/06/2014					
Chloride	20	1.0	mg/L	12.50	7.3	100	80-120			
Fluoride	2.9	0.50	mg/L	2.000	1.1	90	80-120			
Nitrogen, Nitrate (As N)	5.3	0.50	mg/L	5.000	0.69	93	80-120			
Sulfate	21	5.0	mg/L	12.50	9.6	94	80-120			
Matrix Spike (1401038-MS2)				Source: 14A0111-01	Prepared & Analyzed: 01/06/2014					
Fluoride	3.3	0.50	mg/L	2.000	1.5	89	80-120			
Nitrogen, Nitrate (As N)	5.0	0.50	mg/L	5.000	0.38	91	80-120			
Matrix Spike (1401038-MS3)				Source: 14A0116-01	Prepared & Analyzed: 01/06/2014					
Chloride	18	1.0	mg/L	12.50	5.9	93	80-120			
Fluoride	5.1	0.50	mg/L	2.000	3.4	86	80-120			M3
Nitrogen, Nitrate (As N)	5.0	0.50	mg/L	5.000	0.56	89	80-120			
Matrix Spike Dup (1401038-MSD1)				Source: 14A0104-01	Prepared & Analyzed: 01/06/2014					
Chloride	20	1.0	mg/L	12.50	7.3	100	80-120	0.5	10	
Fluoride	2.8	0.50	mg/L	2.000	1.1	89	80-120	0.6	10	
Nitrogen, Nitrate (As N)	5.3	0.50	mg/L	5.000	0.69	92	80-120	0.8	10	
Sulfate	21	5.0	mg/L	12.50	9.6	94	80-120	0.09	10	
Matrix Spike Dup (1401038-MSD2)				Source: 14A0111-01	Prepared & Analyzed: 01/06/2014					
Fluoride	3.3	0.50	mg/L	2.000	1.5	89	80-120	0.2	10	
Nitrogen, Nitrate (As N)	5.0	0.50	mg/L	5.000	0.38	92	80-120	0.3	10	
Matrix Spike Dup (1401038-MSD3)				Source: 14A0116-01	Prepared & Analyzed: 01/06/2014					
Chloride	18	1.0	mg/L	12.50	5.9	94	80-120	1	10	
Fluoride	5.1	0.50	mg/L	2.000	3.4	88	80-120	0.9	10	M3
Nitrogen, Nitrate (As N)	5.1	0.50	mg/L	5.000	0.56	91	80-120	1	10	
Batch 1401046 - E300										

Client: Billali LLC
 Project: Billali Mine
 Work Order: 14A0133
 Date Received: 01/06/2014

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 1401046 - E300										
Blank (1401046-BLK1)				Prepared & Analyzed: 01/07/2014						
Nitrogen, Nitrate (As N)	ND	0.50	mg/L							
Sulfate	ND	5.0	mg/L							
LCS (1401046-BS1)				Prepared & Analyzed: 01/07/2014						
Nitrogen, Nitrate (As N)	4.9	0.50	mg/L	5.000		98	90-110			
Sulfate	12	5.0	mg/L	12.50		99	90-110			
LCS Dup (1401046-BSD1)				Prepared & Analyzed: 01/07/2014						
Nitrogen, Nitrate (As N)	4.9	0.50	mg/L	5.000		98	90-110	0.02	10	
Sulfate	12	5.0	mg/L	12.50		99	90-110	0.02	10	
Matrix Spike (1401046-MS1)				Source: 14A0153-01		Prepared & Analyzed: 01/07/2014				
Nitrogen, Nitrate (As N)	5.1	0.50	mg/L	5.000	0.50	93	80-120			
Sulfate	54	5.0	mg/L	12.50	42	93	80-120			M3
Matrix Spike (1401046-MS2)				Source: 14A0178-01		Prepared & Analyzed: 01/07/2014				
Nitrogen, Nitrate (As N)	31	2.5	mg/L	25.00	10	83	80-120			
Matrix Spike (1401046-MS3)				Source: 14A0198-01		Prepared: 01/09/2014 Analyzed: 01/10/2014				
Nitrogen, Nitrate (As N)	25000	2500	mg/L	25000	430	97	80-120			
Sulfate	93000	25000	mg/L	62500	50000	69	80-120			M4
Matrix Spike Dup (1401046-MSD1)				Source: 14A0153-01		Prepared & Analyzed: 01/07/2014				
Nitrogen, Nitrate (As N)	5.2	0.50	mg/L	5.000	0.50	93	80-120	0.4	10	
Sulfate	54	5.0	mg/L	12.50	42	92	80-120	0.1	10	M3
Matrix Spike Dup (1401046-MSD2)				Source: 14A0178-01		Prepared & Analyzed: 01/07/2014				
Nitrogen, Nitrate (As N)	31	2.5	mg/L	25.00	10	85	80-120	1	10	
Matrix Spike Dup (1401046-MSD3)				Source: 14A0198-01		Prepared: 01/09/2014 Analyzed: 01/10/2014				
Nitrogen, Nitrate (As N)	25000	2500	mg/L	25000	430	97	80-120	0.5	10	
Sulfate	92000	25000	mg/L	62500	50000	67	80-120	0.9	10	M4



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER #

1540133

DATE

1/6/14

PAGE

OF

PROJECT NAME Billingham #
 CONTACT NAME Leslie Billingsley
 COMPANY NAME Billingham LLC
 ADDRESS 53 Cardinals Rd. Duracav AZ
 ZIP 85555
 SAMPERS SIGNATURE Leslie Billingsley VTC.NET
 EMAIL address@vtc.net

SAMPLE I.D. 1-6-2014 DATE 1-6 TIME 2am LAB I.D.
 SAMPLE MATRIX*

NUMBER OF CONTAINERS

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

Acids	625/8270	Base Neutrals	625/8270	Volatiles	624	THMS	HAAS	8260	524.2	Chloride	NO ₃	NO ₂	TKN	1664	TPH	TCAP Analysis	Semivolatile	Metals	Total	RCRA8	Cyanide	Ammonia	WAD	SECONDARY	COFORM	MPN	PH	COD	TSS	BOD
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

See attached	X																												
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1. RELINQUISHED BY: <u>Leslie Billingsley</u> Signature <u>Leslie Billingsley</u> Printed Name <u>Billingham LLC</u> Firm <u>1-6-2014</u> Date/Time <u>3:15 PM</u>	2. RECEIVED BY: <u>Kevin Brin</u> Signature <u>Kevin Brin</u> Printed Name <u>TURNER LABORATORIES, INC.</u> Firm <u>1/6/14 1515</u> Date/Time	3. RELINQUISHED BY: <u>Leslie Billingsley</u> Signature <u>Leslie Billingsley</u> Printed Name <u>Billingham LLC</u> Firm <u>1-6-2014</u> Date/Time <u>3:15 PM</u>	4. RECEIVED BY: <u>Kevin Brin</u> Signature <u>Kevin Brin</u> Printed Name <u>TURNER LABORATORIES, INC.</u> Firm <u>1/6/14 1515</u> Date/Time
TURNAROUND REQUIREMENTS: <input checked="" type="checkbox"/> Standard (approx. 10 days)* <input type="checkbox"/> Next Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day* <input type="checkbox"/> Email Preliminary Results * Working Days		* LEGEND SAMPLE MATRIX DW = DRINKING WATER GW = GROUNDWATER SD = SOLID SG = SLUDGE SL = SOIL ST = STORMWATER WW = WASTEWATER	
REPORT REQUIREMENTS: <input type="checkbox"/> I. Routine Report <input type="checkbox"/> II. Report (includes DUP, MS, MSD, as required, may be charged as samples) <input type="checkbox"/> III. Data Validation Report (includes All Raw Data) Add 10% to Invoice		INVOICE INFORMATION: Account <input type="checkbox"/> Y <input type="checkbox"/> N P.O. # <u>9A.0 278.66</u> Bill to: <u>CASH</u>	
SAMPLE RECEIPT: Total Containers <u>1</u> Temperature <u>5.6</u> <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Ambient <input type="checkbox"/> Blue Ice		Compliance Analysis: <input type="checkbox"/> Yes <input type="checkbox"/> No ADEQ Forms: <input type="checkbox"/> Yes <input type="checkbox"/> No Mail ADEQ Forms: <input type="checkbox"/> Yes <input type="checkbox"/> No SPECIAL INSTRUCTIONS/COMMENTS:	
CUSTODY SEALS: <input type="checkbox"/> CONTAINER INTACT: <input checked="" type="checkbox"/> COC / LABELS AGREE: <input checked="" type="checkbox"/>		PRESERVATION CONFIRMATION: <input checked="" type="checkbox"/> APPROPRIATE HEAD SPACE: <input checked="" type="checkbox"/> RECEIVED WITHIN HOLD TIME: <input checked="" type="checkbox"/>	

Project Information

Merz, Joy J

5502 E 7th St
Tucson, AZ 85711

Laboratory PM: Terri Garcia

Phone: (520) 790-4913

Fax: (520) 750-1611

Merz, Joy

1/6/2014

garlisle

Project Name:	Billali Claim	Invoice To:	Merz, Joy J
Project Number:	[none]	Invoice Bid:	(list pricing)
Client PM:	Joy J Merz	Invoice Manager:	Joy J Merz
Comments:			

Analysis	Comment
Mercury, Total	
Al by ICP, Total	
As by GFAA, Total	
B by ICP, Total	
Ba by ICP, Total	
Cd by ICP, Total	
Chloride by Ion Chromatography	
Cr by ICP, Total	
Cu by ICP, Total	
Cyanide	
Ag by ICP, Total	
Fluoride by Ion Chromatography	
Zn by ICP, Total	
Metals Prep ICP	
Mn by ICP, Total	
Mo by ICP, Total	
Ni by ICP, Total	
Nitrate by Ion Chromatography	
Pb by ICP, Total	
pH	
Se by ICP, Total	
Sulfate by Ion Chromatography	
Total Dissolved Solids	
Fe by ICP, Total	



Office of the Secretary of State

CERTIFICATE OF FILING OF

Shooting Star Mining Company, LLC
File Number: 801687848

The undersigned, as Secretary of State of Texas, hereby certifies that a Certificate of Formation for the above named Domestic Limited Liability Company (LLC) has been received in this office and has been found to conform to the applicable provisions of law.

ACCORDINGLY, the undersigned, as Secretary of State, and by virtue of the authority vested in the secretary by law, hereby issues this certificate evidencing filing effective on the date shown below.

The issuance of this certificate does not authorize the use of a name in this state in violation of the rights of another under the federal Trademark Act of 1946, the Texas trademark law, the Assumed Business or Professional Name Act, or the common law.

Dated: 11/20/2012

Effective: 11/20/2012



A handwritten signature in cursive script that reads "Coby Shorter, III".

Coby Shorter, III
Deputy Secretary of State

**Form 205
(Revised 07/10)**

Submit in duplicate to:
 Secretary of State
 P.O. Box 13697
 Austin, TX 78711-3697
 512 463-5555
 FAX: 512 463-5709
Filing Fee: \$300



**Certificate of Formation
 Limited Liability Company**

This space reserved for office use.

FILED
 In the Office of the
 Secretary of State of Texas
NOV 20 2012

Corporations Section**Article 1 – Entity Name and Type**

The filing entity being formed is a limited liability company. The name of the entity is:

Shooting Star Mining Company, LLC

The name must contain the words "limited liability company," "limited company," or an abbreviation of one of these phrases.

Article 2 – Registered Agent and Registered Office

(See instructions. Select and complete either A or B and complete C.)

☐ A. The initial registered agent is an organization (cannot be entity named above) by the name of:

CT Corporation System

OR

☒ B. The initial registered agent is an individual resident of the state whose name is set forth below:

First Name	M.I.	Last Name	Suffix
------------	------	-----------	--------

C. The business address of the registered agent and the registered office address is:

350 N. Saint Paul St., Suite 2900	Dallas	TX	75201
Street Address	City	State	Zip Code

Article 3—Governing Authority

(Select and complete either A or B and provide the name and address of each governing person.)

☒ A. The limited liability company will have managers. The name and address of each initial manager are set forth below.

☐ B. The limited liability company will not have managers. The company will be governed by its members, and the name and address of each initial member are set forth below.

GOVERNING PERSON 1

NAME (Enter the name of either an individual or an organization, but not both.)
 IF INDIVIDUAL

First Name	M.I.	Last Name	Suffix
------------	------	-----------	--------

OR

IF ORGANIZATION

ThinkLinking LLC

Organization Name

ADDRESS

4099 McEwen Road, Suite 150	Dallas	TX	USA	75244-5053
Street or Mailing Address	City	State	Country	Zip Code

GOVERNING PERSON 3				
NAME (Enter the name of either an individual or an organization, but not both.)				
IF INDIVIDUAL				
First Name	M.I.	Last Name	Suffix	
OR				
IF ORGANIZATION				
Organization Name				
ADDRESS				
Street or Mailing Address	City	State	Country	Zip Code

The purpose for which the company is formed is for the transaction of any and all lawful purposes for which a limited liability company may be organized under the Texas Business Organizations Code.

Text Area: [The attached addendum, if any, is incorporated herein by reference.]

Organizer

The name and address of the organizer:

W. Judd Pritchard, Barlow Garsek & Simon, LLP

Name

3815 Lisbon Street

Street or Mailing Address

Fort Worth

City

TX 76107

State Zip Code

Effectiveness of Filing (Select either A, B, or C.)

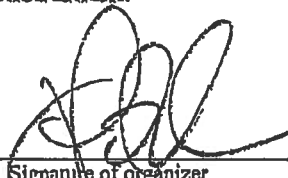
- A. ☒ This document becomes effective when the document is filed by the secretary of state.
- B. ☐ This document becomes effective at a later date, which is not more than ninety (90) days from the date of signing. The delayed effective date is: _____
- C. ☐ This document takes effect upon the occurrence of the future event or fact, other than the passage of time. The 90th day after the date of signing is: _____

The following event or fact will cause the document to take effect in the manner described below:

Execution

The undersigned affirms that the person designated as registered agent has consented to the appointment. The undersigned signs this document subject to the penalties imposed by law for the submission of a materially false or fraudulent instrument and certifies under penalty of perjury that the undersigned is authorized to execute the filing instrument.

Date: 11/20/2012



Signature of organizer

W. Judd Pritchard

Printed or typed name of organizer



Franchise Tax Account Status

As of: 03/24/2014 11:32:53 PM

This Page is Not Sufficient for Filings with the Secretary of State

[Obtain a certification](#) for filings with the Secretary of State.

SHOOTING STAR MINING COMPANY, LLC	
Texas Taxpayer Number	32049531059
Mailing Address	4099 MCEWEN RD STE 150 DALLAS, TX 75244-5053
 Right to Transact Business in Texas	ACTIVE
State of Formation	TX
Effective SOS Registration Date	11/20/2012
Texas SOS File Number	0801687848
Registered Agent Name	C T CORPORATION SYSTEM
Registered Office Street Address	1999 BRYAN ST., STE. 900 DALLAS, TX 75201

Officers And Directors Information

NEW MEXICO PUBLIC REGULATION COMMISSION

COMMISSIONERS

DISTRICT 1 Jason Marks
DISTRICT 2 Patrick H. Lyons
DISTRICT 3 Douglas J. Howe
DISTRICT 4 Theresa Becenti-Aquilar
DISTRICT 5 Ben L. Hall



1120 Paseo de Peralta
P.O. Box 1269
Santa Fe, NM 87504-1269
Johnny Montoya, Chief of Staff
CORPORATIONS BUREAU
(505) 827-4508

December 20, 2012

BARLOW GARSEK & SIMON, LLP
3815 LISBON STREET
FORT WORTH TX 76107

RE: SHOOTING STAR MINING COMPANY, LLC

NMPRC# 4686675

This Commission has approved and filed the Application For Registration for the above captioned organization effective December 4, 2012. The enclosed Certificate Of Registration is evidence of filing, and should become a permanent document of the organization's record:

The referenced approval does not constitute authorization for the above referenced organization to transact any business which requires compliance with other applicable federal or state laws, including, but not limited to, state licensing requirements. It is the organization's sole responsibility to obtain such compliance with all legal requirements applicable thereto prior to engaging in the business for which it has obtained approval of the referenced document.

Your canceled check, as validated by this commission, is your receipt. If you have any questions, please contact the Charter Document Division at (505) 827-4511 for assistance.

Chartered Document Division

Ted Flanagan

TED.FLANAGAN@STATE.NM.US

505-827-4664



NEW MEXICO PUBLIC REGULATION COMMISSION

Certificate Of Registration

OF

SHOOTING STAR MINING COMPANY, LLC

4686675

The Public Regulation Commission certifies that the Application For Registration, duly signed and verified pursuant to the provisions of the

Limited Liability Company Act

(53-19-1 To 53-19-74 NMSA 1978)

have been received by it and are found to conform to law. Accordingly, by virtue of the authority vested in it by law, the Public Regulation Commission issues this Certificate Of Registration and attaches hereto a duplicate of the Application For Registration.

Dated : **December 4, 2012**

In testimony whereof, the Public Regulation of the State of New Mexico has caused this certificate to be signed by its Chairman and the seal of said Commission to be affixed at the city of Santa Fe.

Stacy Starr-Garcia

Bureau Chief

Patrick H. Lyons

Chairman

Resolution of Shooting Star Mining Company, LLC

Pursuant to Waiver of Notice and Call of a Special Meeting of the Membership Interest Owners of Shooting Star Mining Company, LLC ("Company"), a telephonic meeting of a majority of Membership Interest Owners was held on March 24, 2014.


The purpose of such specially called Meeting of the Membership Interest Owners of the Company was to approve the Company's submission of Form 299 (see attached draft, the same having been circulated to all Membership Interest Owners in advance of the meeting) to the Bureau of Land Management, Las Cruces, New Mexico (herein "BLM").

After review of the Form 299, it was moved and seconded that a vote be taken authorizing the President of the Company, and the Managing Member of ThinkLinking LLC, the Company's duly elected and acting Manager of the Company, to execute Form 299 and submit same to the BLM for processing.

Upon affirmative voice vote of all Membership Interest Owners present and voting, the same constituting a quorum, it was resolved that the Company, acting by and through its President, Robert E. Byerley, Jr., and as the Managing Member of ThinkLinking LLC, the Company's duly elected and acting Manager of the Company, shall execute and submit the attached Form 299 to the BLM.

Attested as a formal resolution of Shooting Star Mining Company, LLC:

ThinkLinking LLC as Manager of Shooting Star Mining Company, LLC

By: 
Robert E. Byerley, Jr., President
And Manager

Shooting Star Mining Company, LLC
Ownership Interests as of December 31, 2013

Member Name/Name Certificate Issued In	Units	Percentage	Address 1	Address 2	City	State	Zip Code
Jeffrey Benison and Nola Benison	350 00000	11.57324%	C/O Benjamin Partners	589 Broadway, 4th Floor	New York	NY	10012-3290
Inflation Hedged Assets, LLC	1,763.49587	58.31248%	4099 McEwen Road, Suite 150		Dallas	TX	75244-5053
ThinkLinking LLC	515.33750	17.04036%	4099 McEwen Road, Suite 150		Dallas	TX	75244-5053
Steele Resources Corporation	100 00000	3.30664%	C/O Scott D. Landow	2705 Garnet Avenue, Suite 2A	San Diego	CA	92109-3856
Christopher Fleming	6.18750	0.20460%	1105 North Court Street, Unit 102		Rockford	IL	61103-7000
James L. Applegate	4.68750	0.15500%	67825 Elizabeth Road		Cathedral City	CA	92234-5877
Albert W. Saladin and Ruby B. Saladin	7.56054	0.25000%	26 Seven Oaks Drive		Chesterfield	MO	63005-6815
Adam Robert Sampson	3.78027	0.12500%	220 20th Street South, Apartment 502		Arlington	VA	22202-3622
Martin A. Saladin	9.07265	0.30000%	377 North Taylor Avenue, 1-South		St. Louis	MO	63108-1955
Sean Gregory Morrissey and René Marie Morrissey	7.56054	0.25000%	16601 Bartizan Drive		Wildwood	MO	63038-2258
Jess T. Hay	2.81250	0.09300%	7236 Lupton Circle		Dallas	TX	75225-1737
B. Ramona Taylor	1.87500	0.06200%	14333 Valley Hi Circle		Farmers Branch	TX	75244-3858
Ted N. McAfee and Gayle B. McAfee	3.75000	0.12400%	313 Shepards Hill		Rockwall	TX	75087-2850
Anastasia Marie Hoffman	7.56054	0.25000%	2512 Pepperfield Court		Wildwood	MO	63005-6710
Quest IRA, Inc. FBO Kristi A. Fleming IRA # 15391-21 ROTH IRA	7.56054	0.25000%	ATTN: Martha Mora	17171 Park Row, Suite 100	Houston	TX	77084-4935
Quest IRA, Inc. FBO Christopher Fleming IRA # 15363-21 ROTH IRA	5.35286	0.17700%	ATTN: Martha Mora	17171 Park Row, Suite 100	Houston	TX	77084-4935
James Edward Kleitches	7.56054	0.25000%	7018 San Mateo Boulevard		Dallas	TX	75223-1123
Leslie Nini	9.07265	0.30000%	7018 San Mateo Boulevard		Dallas	TX	75223-1123
M&T Bank as Trustee FBO Jeffrey Benison IRA Account # 1008045	173.49000	5.73669%	ATTN: Matt Lyndaker	One M&T Plaza, 9th Floor	Buffalo	NY	14203-2309
Earl D. Harrison	37.50000	1.23999%	1000 Briggs Lane		Fallon	NV	89406-7319

Total 3,024,217.00 100.000000%