FOR MMD USE ONLY:

REV.DATE: 5/18/09

PROJECT NAME:_____

PERMIT #: _____

DATE RECEIVED:_____

DATE APPROVED:_____

LEAD INSPECTOR: _____

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
Director
Mining and Minerals Division
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505
Telephone: (505) 476-3400

SUBPART 3
MINIMAL IMPACT NEW MINING OPERATIONS PERMIT APPLICATION

The following information is required under the New Mexico Mining Act (Sections 69-36-1 through 69-36-20, NMSA 1978) and associated rules. The Mining and Minerals Division of the Energy, Minerals and Natural Resources Department is the administrative agency through which this application is to be processed. See §304, Minimal Impact New Mining Operations, of the New Mexico Mining Act Rules for all regulations associated with Minimal Impact Mining operations.

Permit Application Requirements: (§304.A-C and §601)

- A minimal impact new mining operation will not be considered a minimal impact mining operation if it exceeds **10 acres of disturbed land,** except that pre-existing roads and reclaimed areas within the permit area will not be counted. Reclaimed, for this purpose means all financial assurance has been released, except the amount held to reestablish vegetation pursuant to §1204.

- Permit applications shall be submitted in ample time to have the permit issued before mining operations begin, and operations shall not begin until after the permit is issued.

- Six copies of the completed application need to be submitted.

- Confidential information needs to be **clearly** indicated and submitted separately.

- Check the "**YES**" or "**NO**" box for each of the following characteristics as related to the proposed minimal impact mining operation:

YES	NO	
☐	X	Located in or having a direct surface impact on wetlands, springs, perennial or intermittent streams, lakes, rivers, reservoirs or riparian areas.
☐	X	Located in designated critical habitat areas as determined in accordance with the federal Endangered Species Act of 1973 or in areas determined by the Department of Game and Fish likely to result in an adverse impact on an endangered species designated in accordance with the Wildlife Conservation Act, Sections 17-2-37 through 17-2-46 NMSA 1978 or by the State Forestry Division for the Endangered Plants Act, section 75-6-1 NMSA 1978.
☐	X	Located in an area designated as Federal Wilderness Area, Wilderness Study Area, Area of Critical Environmental Concern, or an area within the National Wild and Scenic River System.
☐	X	Located in a known cemetery or other burial ground.
☐	X	Located in an area with cultural resources listed on either the National Register of Historic Places or the State Register of Cultural Properties.
☐	X	Having or expected to have a direct impact on ground water that has a total dissolved solids concentration of less than 10,000 mg/L, except exploratory drilling intersecting ground water may be performed as a minimal impact operation.
☐	X	Expected to use or using cyanide, mercury amalgam, heap leaching or dump leaching in its operations.
☐	X	Expected to result in point or non-point source surface or subsurface releases of acid or other toxic substances from the permit area.
☐	X	Requiring a variance from any part of these Rules as part of the permit application.

IMPORTANT NOTES!

- If you have checked "**YES**" to any of the above boxes, the mining operation does not qualify as a minimal impact mining operation. Do not continue to fill out the remainder of this form.
- If you do meet the above requirements and have checked "**NO**" to **all** of the above boxes, continue filling out this application.
- Obtaining a Mining Act permit does not necessarily satisfy the obligation to obtain permits required by other governmental entities.
- PLEASE FILL IN ALL APPLICABLE INFORMATION AS COMPLETELY AS POSSIBLE.
- PLEASE PRINT OR TYPE ALL INFORMATION.

1. OPERATOR INFORMATION (§304.D.1)

LIST PROJECT NAME:

NAME OF APPLICANT: **Rammsco Operations Inc**

ADDRESS: **19416 Park Row Ste 170**
Houston, TX 77084

PHONE #: **281 770 1414**

NAME OF OWNER (if different from applicant's name and address)**:**

ADDRESS:

PHONE #:

NAME OF ON-SITE CONTACT OR OPERATOR'S REPRESENTATIVE:

Rodney Blackford

ADDRESS: **4020 Canterra Arc**
Las Cruces, NM
88011

PHONE #: **575 915 8368**

2. RIGHT TO ENTER INFORMATION (§304.D.1)

A. Describe or provide evidence for the basis of the applicant's right to enter the property to conduct the mining and reclamation:

BLM Contract SA009MN

B. List the names and addresses of surface and mineral ownership within the proposed permit area:

1. **Surface Owner(s):**

Name	Address	Phone #
Calvin Parson Bureau of Land Management Rio Puerco Field Office	100 Sun Avenue NE, suite 330 Pan American Building Albuquerque, New Mexico 87109	505-761-8771

2. **Mineral Owner(s):**

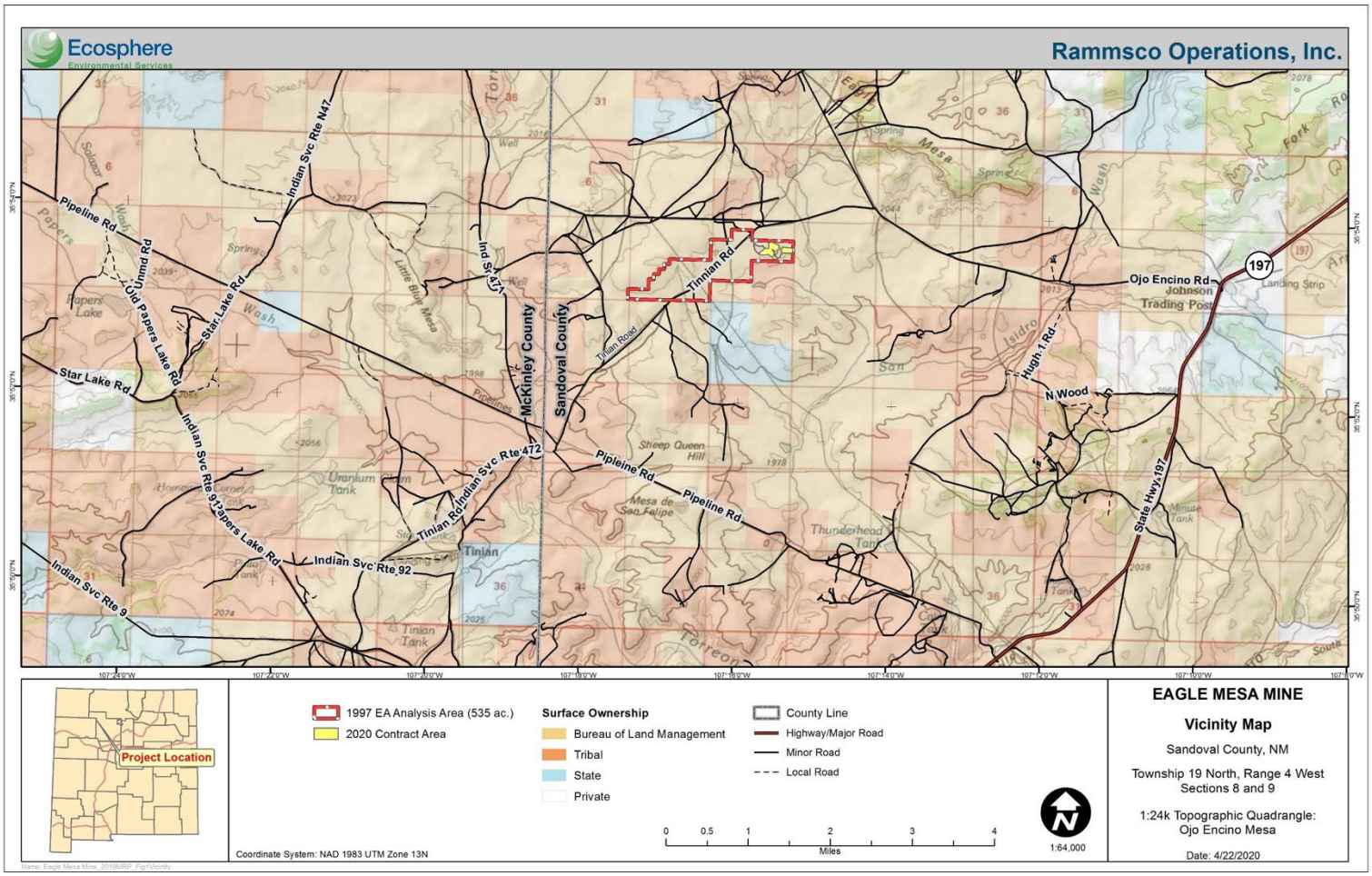
Name	Address	Phone #
Bureau of Land Management	Same as above	

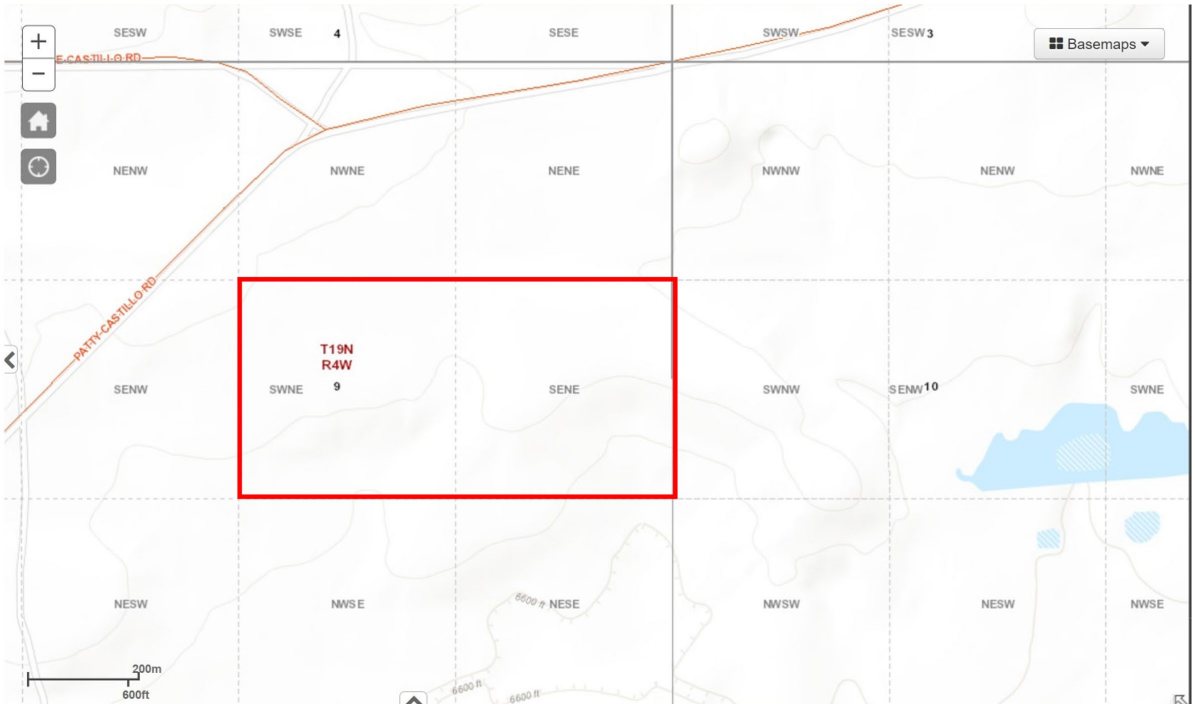
C. List the author(s), title(s), date(s) and report number(s) of any cultural resource survey report(s) submitted to the agency(ies) or landowner(s) listed above:

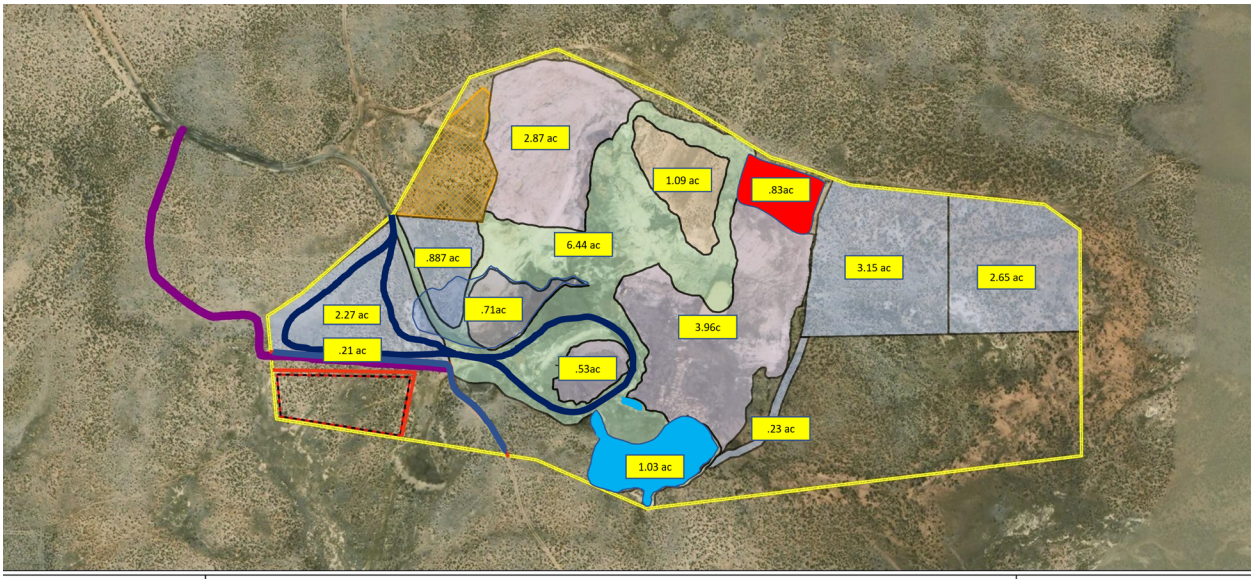
3. MAPS (§304.D.2)

A. Provide a legal description of the site [Township(s), Range(s) and Section(s)]:

The Eagle Mesa Mine is location on a 535-acre area that was analyzed in a 1997 Environmental Assessment (EA). This document summarized the existing environment, including regional and local topography, climate, rights-of-way, surface and groundwater resources, vegetation and wildlife, cultural resources, noise, air quality, demographics, and the visual setting. The EA and associated Finding of No Significant Impact authorized humate mining in Sections 8 and 9 of Township 19 North, Range 4 West, New Mexico Principal Meridian (NMPM) in Sandoval County, NM. The proposed 2020 Contract Area (see section 1.1.3.2) is located within the 1997 EA Analysis Area.







Existing Fenceline
Cultural Protection Area (generalized; no disturbance allowed)
Vegetation Reference Area (1.00 acre)
New Fence Only Around Vegetation Monitoring Site
Proposed Ranch Road Not Made Yet
Fence Not Needed

Active Mining Area 1.8 ac
Earthmoving Complete 8.39 ac
Staging, Storage and Access 6.44 ac
Disturbed area Mining and Access
Additional Disturbed area for Mining .83 ac
New Earthwork Complete 1.03 ac

N
W
E
S
1:2,400

EAGLE MESA MINE

Mine Plan

Sandoval County, NM

Township 19 North, Range 4 West

B. Provide a topographic map(s) of at least 1 inch = 2,000 feet (or appropriate for the size of disturbance) showing the areas of land to be disturbed by the proposed mining and reclamation. Identify general area shown on the map(s) by Township, Range and Section(s). If the area to be mined contains the following features, show them on the map(s):

1. **Boundary of the proposed permit area** with the existing and proposed area of disturbance
2. Previously disturbed areas
3. Perennial, intermittent and ephemeral streams; springs; wetlands; riparian areas; lakes and reservoirs
4. Proposed and existing roads and other access routes
5. Residences
6. Support facilities
7. Cemeteries, burial grounds; cultural resources listed or eligible for listing on either the National Register of Historic Places or the State Register of Cultural Properties
8. Pipelines
9. Oil, gas, water and monitoring wells on and within two miles of the permit area
10. Identify the location of shafts, adits, trenches, ponds, pits, quarries, stockpiles, waste dumps, etc.

4. ENVIRONMENTAL PERMITS HELD FOR OTHER OPERATIONS (§304.D.3)

Provide a list of other environmental permits held for other mining operations within the United States and any violations issued for non-compliance with those permits.

NAMES OR TYPES OF ENVIRONMENTAL PERMITS: EPA # NMR053211 reported on form 6100-28

LIST PERMIT VIOLATIONS; NUMBER, TYPE AND ISSUING AGENCY:

None

5. MINING DESCRIPTION (§304.D.4)

A. Type of mineral or minerals to be mined: Humate and Clay

B. Check the method of proposed mining: Kamatsu 480 Loader for Surface Mining. Remove Topsoil and store for restoration. Removal of overburden and store. Mine Humate and/or clay store at staging area before removal from mine.

C. Describe the sizes and volumes of the facilities to be used:

Staging and loading area. Approximately 1 acre.

Plant Site/Staging Area:

How Many 2 Acreage 1

Pits or Quarries: How Many 3 Acreage _____ Volume (cu.yds.) _____
Stockpiles: How Many 3 Acreage _____ Volume (cu.yds.) _____
Waste Dumps: How Many 3 Acreage _____ Volume (cu.yds.) _____

List the following for **New Road(s):**

Length (ft.) 1650 ft Width (ft.) 20

Length (ft.) _____ Width (ft.) _____

List the following for extension or widening of **Existing Road(s):**

Length (ft.) _____ Width (ft.) _____

Length (ft.) _____ Width (ft.) _____

Other Disturbances: Type

How Many _____ Acreage _____ Volume (cu.yds.) _____

TOTAL ACREAGE TO BE DISTURBED: 40 Acres

D. Describe the type of processing that will be conducted on site:

None

E. Describe the typical equipment to be used for the mining operations:

Komatsu 480 Loader and over the road Haul Trucks will be loaded on site.

6. CHEMICAL USE (§304.D.4)

A. List all chemicals proposed to be used by the mining operation.

Name:	**Use:**
Diesel	Loader
Gas	Pickup
Oil	Pickup and loader
Hydraulic oil	Loader

7. GROUND WATER INFORMATION (§304.D.5)

A. Provide an estimate of depth to ground water and the total dissolved solids (T.D.S.)

concentration.
Naturally occurring sulfates levels are too high to sustain plant or animal life.

Depth to ground water (ft.) 500 ft T.D.S. concentration ?

B. Describe the source of groundwater information:

State Geologist and local ranchers.

C. Describe any dewatering activities to be conducted during mining operations:

None

8. PERFORMANCE STANDARDS (§304.D.7)

A. Provide a general description of how the mining and reclamation will be designed and operated using the most appropriate technology and best management practices:

Topsoil will be removed and stored for final step of restoration. Overburden will then be removed and stored for reclamation. Humates and clay will be mined and removed from mine location. After mining operations are complete, the stored overburden will be brought back into mined area and graded with a slope less than 1 ft vertical to 3 ft horizontal. The top soil will then be spread over the overburden thick enough to sustain plant life. The Kamatsu's blade teeth of at least 6 " will be used to contour along strike of the slope to hold moisture for plant life. Broadcast seeding of the area reclaimed then monitored to assure growth that will protect topsoil from erosion.

B. Provide a general description of how the mining and reclamation will be designed and operated to assure protection of human health and safety, the environment,

wildlife, and domestic animals:

All highwalls, pits, holes etc. will be filled and sloped with less than 1 ft vertical to 3 feet horizontally. No water will be able to leave the disturbed area of the mine.

C. Provide a general description of how the mining and reclamation will be designed and operated to safeguard the public from unauthorized entry into shafts, adits and tunnels and to prevent falls from highwalls or pit edges:

The mine is fenced and warning signs placed to safeguard entry onto mine. Berms are also placed in strategic locations to prevent forced entry into restricted areas.

D. Provide a general description of how the mining and reclamation will be designed and operated so the disturbed area will not contribute suspended solids above background levels, or where applicable the Water Quality Control Commission's standards, to intermittent and perennial streams:

The disturbed area will be and are contoured with small water catchments distributed throughout the disturbed area to prevent any suspended solids or water from escaping the mined area. The small catchment provide moisture for plant life in the surface soils down slope as well.

E. Provide a general description of how the mining and reclamation will be designed and operated to control erosion:

Contouring with the teeth of the loader of at least 6” depth with small catchments in place in critical areas to prevent the movement of rainwater on the surface of the

mine where slopes are limited to 1 ft vertical to 3 ft horizontal. This has historically been ideal to limit surface water movement that would cause erosion. Broadcast seeding would immediately follow. This is ideal for plant life growth which is the main erosion prevention measure in the long term.

9. RECLAMATION PLAN (§304.D.8)

The operation will be operated and reclaimed to a self-sustaining ecosystem appropriate for the life zone of the surrounding areas following closure unless conflicting with the approved post-mining land use.

A. List adjacent land use other than mining (i.e. grazing):

Cattle grazing.

B. List the proposed post mining land use (i.e. wildlife):

Mining reclamation will provide small mounds and groves for small animal burrows.

C. Describe how reclamation activities will avoid adverse impact to cultural resources:

No water has ever left the disturbed mining area. The disturbed areas will be contoured with mini catchments to hold small amounts of water to add to soil moisture content for plant growth. No water nor tailings will be able to leave the mine while providing moisture for plant life.

C. Describe any backfilling and grading operations to be performed after mining:

Overburden will be used to fill the major void in pits after mining. Major grading where one vertical foot to three horizontal feet will be used. Topsoil will then be spread on the surface for plant life nutrition. Then broadcast seeding will commence immediately.

D. Describe what mitigation steps will be taken to reconstruct or protect the hydrologic balance of the site after mining:

Six-inch grooves will be dug parallel to the strike of the surface topography with the teeth of the frontend loader. Mini Catchments will be used to capture water in locations that will provide moisture, in surface soils, at lower topographical locations. Broadcast seeding will commence immediately for best possibilities of germination of plant life.

F. Describe how topsoil or topdressing will be salvaged, stockpiled and distributed for the re-establishment of vegetation:

All topsoil is stockpiled separately and will be spread prior to seeding after the overburden is in place and contoured.

F. Describe what kind of seed bed preparation will take place prior to seeding. What soil amendments will be added? Scarification of the seed bed needs to take place. Will this involve discing or ripping?

The teeth on the Komatsu 480 front end loader will be used to rip grooves into the topsoil parallel to the strike of the topographical slope. Broadcast seeding will take place immediately afterward to assure the best environment for the seeds to be able to germinate.

H. Describe in detail the plant species to be used in the re-establishment of vegetation:

Plant Name:	**Rate of application (lb/ac)**

Species	Application Rate[1] (lbs/acre)	Contribution in Seeds/sq. ft. Based on Planting Rate
Western wheatgrass (*Pascopyrum smithii*)	5.0	13
Blue grama (*Bouteloua gracilis*)	2.0	38
James' Galleta (*Pleuraphis jamesii*)	2.0	8
Indian ricegrass (*Achnatherum hymenoides*)	4.0	13
Mountain brome (*Bromus marginatus*)	4.0	6
Fourwing saltbush (*Atriplex canescens)*	3.0	4
Mat saltbush (*Atriplex corrugata*)	2.0	5
Scarlet globemallow (*Sphaeralcea coccinea*)	0.1	2
TOTAL:	**22.1**	**89**

I. Will the seeds be broadcast. Broadcast

J. Describe the type of mulch material to be applied after seeding and its application rate:

Non needed after scarification with frontend loader

K. What structures will be on the site and how will they be removed or reclaimed? (Buildings, portals, adits, shafts, bore holes, ponds, etc.):

No buildings are on the mine at present and any buildings that maybe used in the future will all be mobile structures.

L. What roads are part of the mine site and how will they be reclaimed? Please provide an estimate of road square footage and explain if reclamation will involve ripping, scarification, backfilling, recontouring, and topsoiling, etc.:

M. What will be the time frame for reclamation, (e.g. time of year, during mining, after mining, etc)?

All reclamation will be done within a few months of depletion of material mining area.

Proposed reclamation dates: Begin:_____/ /_____ End:___/___/

10. OTHER REQUIRED PERMITS FOR THIS OPERATION (§304.D.9)

A. Provide a list of other permits required for the operation and the anticipated schedule for receipt of these.

Permit Name & Issuing Agency	**Date or anticipated date of receipt**

11. FINANCIAL ASSURANCE AND PERMIT FEES (§304.E & F)

A. Provide a financial assurance estimate based on the cost of reclaiming the site by a third party. Include supporting calculations. Operations with less than 2 acres total

disturbance are not required to provide financial assurance.

B. Attach the permit fees as determined pursuant to Subpart 2. The permit application fee for a minimal impact new mine is $1,000.00.

12. CERTIFICATION REQUIREMENT (§304.J.5)

Each application shall be signed **and notarized** by an applicant for the operation with the following certification made:

I certify that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I agree to comply with the requirements of the permit, these Rules, and the Act. Further, I hereby allow the Director to enter the permit area for the purpose of conducting inspections until release of financial assurance.

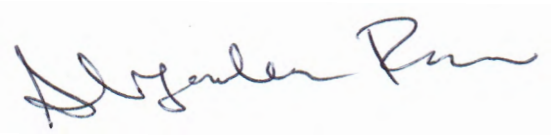
Signature of Applicant: David G. Williams

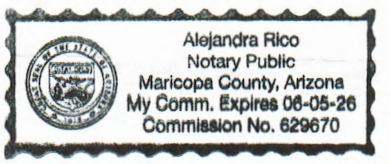
Name (typed or print): DAVID G WILLIAMS

Title/Position: PRESIDENT

Date: NOV. 3, 2022

Signature of Notary:





Notary Seal

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OFFICIAL RECEIPT

Date: 11/09/2022

Received From: Rammsco Operations Inc.

One thousand dollars & no/100 Dollars

Center Code	Revenue Code	Amount	Reference
0440	H16902	$1,000—	

Total $ 1,000.00

Description:
Permit Modification 22-1
Fee for Permit No.
SA0089MN/Eagle Mesa
Mine

CR# 1417

Signed: [signature]

1417

RAMMSCO OPERATIONS INC.
19416 PARK ROW STE 170
HOUSTON TX 77084

35-2/1130 TX
17974

DATE Oct 31, 2022

PAY TO THE ORDER OF State of New Mexico Mining & Minerals Division $ 1,000.00

One Thousand and no/100 DOLLARS

Photo Safe Deposit® Details on back

BANK OF AMERICA

ACH R/T 111000025

FOR DMM - Mining Permit Mod Fees

[signature]

⑈001417⑈ ⑆111000025⑆ 488061209938⑈