



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Lakeview District Office
HC10 Box 337 - 1300 South G Street
Lakeview, Oregon 97630
email address: or010mb@or.blm.gov

IN REPLY REFER TO:

3809 (015)
OR 51500

October 19, 2001

Mr. Mick Stanley
Cornerstone Mineral
P.O. Box 1287
Lakeview, Oregon 97630

Dear Mr. Stanley:

We have reviewed the proposal you submitted to amend the Plan of Operation (POO) at the mine on Tucker Hill, Oregon. The Lakeview Resource Area, Bureau of Land Management, has reviewed and is authorizing the amendment as stated, to the Plan of Operation.

However, blasting falls outside the suggested time blocks of the original POO schedule. A biologist from the Lakeview Resource Area (LRA) will monitor all blasts for a period of at least two years. The changes to POO's Quarry Schedule and Bench Heights are also authorized as stated in the amendment.

Ken Tillman will be the authorized officers designated representative on this project. If you have any questions concerning this matter, please contact Ken Tillman or Ken Kestner at (541) 947-2177.

Sincerely,

Scott R. Florence, Manager
Lakeview Resource Area

LAKEVIEW RESOURCE AREA PROJECT PROPOSAL
ROUTING SLIP FOR INTERNAL SCOPING/CX REVIEW

PROJECT NAME: Amendment to the Tucker Hill Perlite Plan Of Operations (Nov.1996)

TITLE OR RESOURCE/NAME OF PERSON RESPONSIBLE	SCOPING/CX REVIEW (Initials)	DATE	TEAM MEMBER For EA, if applicable (Y/N)	REVIEW EA, if applicable (Y/N)
Field Manager/ Scott Florence	ASF	8/22/01		
Supervisory NRS/Ken Kestner	KK	21 Aug 01	N	Y
Lands/ Dan Stewardson	DS	6/5/01	Y	Y
Forest/Soils/Water & Air Quality/ Minerals/Hax Mat/ Ken Tillman	KT			
Engineering/ Jim Platt	JP	7/12	N	N
Archeology/Native Am. Con./Traditional Uses/Paleontology/ Bill Cannon	MC	6/4/01	Y	Y
Wilderness/Recreation/Visual/ Dan Hollenkamp	DH	7/18/01	Y	Y
Wild & Scenic Rivers/ Trish Lindaman				
Aquatic/Riparian/Sensitive Aquatic Species/ Alan Munhall				
Wildlife/Sensitive Species/ Vern Stofleth				
Wildlife/Sensitive Species/ Todd Forbes	T	8/6/01	Y	Y
Fire/Fuels Mgmt./ Phil Blythe				
Botany/Sensitive & Cultural Plants/ Lucile Housley	LH	5/21/01	Y	Y
Noxious Weeds/ Erin McConnell	EM	7/19/01	N	N
Supervisory Range Con/ Bob Hopper	BH	5/3/01	N	N
Range/Prime Farmlands/ Les Boothe				
Range/Prime Farmlands/ Martina Keil				
Range/Prime Farmlands/Wild Horses/ Theresa Romasko				
Range/Prime Farmlands/ Heidi Albertson				
Plan. & Environmental Coordinator/Minority/Low Income Populations/ Paul Whitman	PW	6/4/2001	N	NA
RMP Team Leader/ Dwayne Sykes				
Hydrology/Watershed/ Barbara Machado	BM	7/17/01	Y	Y
Safety Issues/ Shelby Gale				
Major Mineral Issues/ Dennis Simontacchi	CC			

See Attached Notes

Review of potential ACEC impacts must be performed by the specialist(s) with expertise in the relevant and important value(s) for which the ACEC was created.

Worksheet

Documentation of Land Use Plan Conformance and NEPA Adequacy (DNA)

U.S. Department of the Interior
Bureau of Land Management (BLM)

Note: This worksheet is to be completed consistent with the policies stated in the Instruction Memorandum entitled "Documentation of Land Use Plan Conformance and National Environmental Policy Act (NEPA) Adequacy" transmitting this worksheet and the "Guidelines for Using the DNA Worksheet" located at the end of the worksheet. *(Note: The signed CONCLUSION at the end of this worksheet is part of an interim step in the BLM's internal analysis process and does not constitute an appealable decision.)*

A. BLM Office: Lakeview District

Lease/Serial/Case File No. OR 51500

Proposed Action Title/Type: Tucker Hill Occupancy/POO Amendment June 2001

Location of Proposed Action: Tucker Hill; T. 34S, R. 19E, Sec. 35 (see attached map)

Description of the Proposed Action: Minor change in the plan of operations. Two travel trailers located on site for occupancy purposes, and (3) additional proposed Amendments, as follows:

- 1) Long Term Quarry Shedule
- 2) Bench Blasting Depths
- 3) Blasting Schedule

Applicant (if any): Cornerstone Industrial Minerals Corporation.

B. Conformance with one or more of the following Land Use Plans (LUPs) and/or Related Subordinate Implementation Plans*:

Name/Date of Plans: High Desert, Lost River, and/or Warner Lakes Management Framework Plans (MFPs), as amended (1982, 1983, 1989, and 1995), Lakeview Grazing Management FEIS and ROD (1982), Oregon Wilderness FEIS and ROD (1989 and 1991), Wilderness Interim Management Policy (1995), Vegetation Treatment on BLM Lands in Thirteen Western States FEIS and ROD (1991), Supplement to the Northwest Area Noxious Weed Control Program FEIS and ROD (1987), Integrated Noxious Weed Control Program EA #OR-013-93-03 (1994), Lakeview District Fire Management Plan - Phase 1 (1998), Rangeland Reform '94 FEIS and ROD (1995), Standards for Rangeland Health and Guidelines for Livestock Grazing Management for Public Lands Administered by the Bureau of Land Management in the States of Oregon and Washington (1997), and Standards for Land Health for Lands Administered by the Bureau of Land Management in the States of Oregon and Washington (1998).

Other document** _____

Date Approved _____

Other document** _____

Date Approved _____

Other document** _____

Date Approved _____

*List applicable LUPs (e.g., Resource Management Plans or applicable amendments).

**List applicable activity, project, management, water quality restoration, or program plans.

The proposed action is in conformance with the applicable LUPs because it is specifically

provided for in the following LUP decisions:

In the Draft EIS on pages 3, 4, 5. Special attention to Minerals M-2.5 "The MFP lists an initial recommendation to keep Tucker Hill open to mineral entry"

The proposed action is in conformance with the LUP, even though it is not specifically provided for, because it is clearly consistent with the following LUP decisions (objectives, terms, and conditions) and, if applicable, implementation plan decisions:

C. Identify the applicable NEPA document(s) and other related documents that cover the proposed action.

List by name and date all applicable NEPA documents that cover the proposed action.

Record of Decision and Plan of Operations Approval for Atlas Perlite, Inc., Tucker Hill Perlite Project, Mining Plan of Operation and Final Environmental Impact Statement 4/24/96

Final Environmental Impact Statement, Atlas Perlite, Inc., Tucker Hill Perlite Project 2/96

Draft Environmental Impact Statement, Atlas Perlite, Inc., Tucker Hill Perlite Project 10/95

List by name and date other documentation relevant to the proposed action (e.g., source drinking water assessments, biological assessment, biological opinion, watershed assessment, allotment evaluation, rangeland health standard's assessment and determinations, and monitoring the report).

Case file name: OR-51500

D. NEPA Adequacy Criteria

1. Is the current proposed action substantially the same action (or is a part of that action) as previously analyzed?

Documentation of answer and explanation:

1) Occupancy; Yes. In Alternative A-Proposed Action in the Draft EIS page 16, an office trailer would be used on site. The proposed action would allow the addition of two travel trailers on a seasonal basis for over-night stay on site. The trailers would be parked on site. The proposed action is a minor change in the approved plan of operation.

2) Mine Life; Yes, Under the existing, Tucker Hill Plan of Operations, (POO) page 4, was based on market conditions at the time of application. The economic modeling expected the "reserves" to be exhausted after "10 YEARS" hence the term "ten year pit". Change in terms from "Ten Year Pit" to "Life of the Pit". The pit limits will not change under proposed schedule change.

3) Bench Blasting Depth; Under existing POO page 5 2.D.b, gives a 10 to 12 foot bench height. In

order to minimize "fly rock" and produce the desired rock breakage, it is necessary to increase the bench height to 20 to 25 feet. Pit boundary will not change.

4) **Blasting Schedule;** Yes, Under POO Appendix I Blasting Schedule, blasting during the first year of operations during February -June with wildlife clearance. After the first year schedule required that no blasting occur during these months to minimize noise impacts on near by raptors. Since that first year of operation BLM wildlife Biologist have monitored authorized blasting on Tucker Hill quarry. Result show very little to no effect on raptors during the blasting. The company proposes to lift the 5 month restriction and allow year around blasting with 2 years of additional monitoring by BLM biologist to determine the effects if any on raptors in the area and documented results in a written report.

2. Is the range of alternatives analyzed in the existing NEPA document(s) appropriate with respect to the current proposed action, given current environmental concerns, interests, resource values, and circumstances?

Documentation of answer and explanation:

Yes. See Draft EIS p. 13-34; Final EIS S-3 through S-5 and p. 3-13; Record of Decision p.2-4

Since the proposed action is substantially the same action, the range of alternatives analyzed in the

existing NEPA documents is appropriate given environmental concerns, interests, resource values, and circumstances.

3. Is the existing analysis adequate and are the conclusions adequate in light of any new information or circumstances (including, for example, riparian proper functioning condition [PFC] reports; rangeland health standards assessments; Unified Watershed Assessment categorizations; inventory and monitoring data; most recent Fish and Wildlife Service lists of threatened, endangered, proposed, and candidate species; most recent BLM lists of sensitive species)? Can you reasonably conclude that all new information and all new circumstances are insignificant with regard to analysis of the proposed action?

Documentation of answer and explanation:

The existing analysis is adequate since there is no new information or circumstances that come to light

since the Record of Decision was signed.

4. Do the methodology and analytical approach used in the existing NEPA document(s) continue to be appropriate for the current proposed action?

Documentation of answer and explanation:

Yes, the methodology and analytical approach used in the existing NEPA documents continue to

be

appropriate for the proposed action since it is a minor change in the plan of operation.

5. Are the direct and indirect impacts of the current proposed action substantially unchanged from those identified in the existing NEPA document(s)? Does the existing NEPA document sufficiently analyze site-specific impacts related to the current proposed action?

Documentation of answer and explanation:

Yes, the direct and indirect impacts of the proposed action are substantially unchanged from those

identified in the existing NEPA documents. The proposed action represent a very minor change in the

plan of operation, therefore the existing NEPA document sufficiently analyze site-specific impacts

related to the proposed action. See chapters three and four in the Draft EIS.

6. Can you conclude without additional analysis or information that the cumulative impacts that would result from implementation of the current proposed action are substantially unchanged from those analyzed in the existing NEPA document(s)?

Documentation of answer and explanation:

Yes, it can be concluded without additional analysis or information that the cumulative impacts that

would result from implementation of the current proposed action are substantially unchanged from those

analyzed in the existing NEPA documents. The proposed action represents a minor change in the approved plan of operation.

7. Are the public involvement and interagency review associated with existing NEPA document(s) adequate for the current proposed action?

Documentation of answer and explanation:

Yes, the level of public involvement and interagency review associated with the existing NEPA documents is adequate for the current proposed action. See the Draft EIS p. 9-11; Final EIS p. 25-65; Record of Decision p. 6-8.

E. Interdisciplinary Analysis: Identify those team members conducting or participating in the

preparation of this worksheet.

<u>Name</u>	<u>Title</u>	<u>Resource Represented</u>
<u>Chris Carusona</u>	<u>Geologist</u>	<u>Mineral</u>
<u>Paul Whitman</u>	<u>Planning and Environmental Coordinator</u>	
<u>Ken Tillman</u>	<u>Surface Protection Specialist</u>	<u>Environmental Impacts</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

F. Mitigation Measures: List any applicable mitigation measures that were identified, analyzed, and approved in relevant LUPs and existing NEPA document(s). List the specific mitigation measures or identify an attachment that includes those specific mitigation measures. Document that these applicable mitigation measures must be incorporated and implemented. The mitigation measures that were identified in the EIS were designed to minimize impacts to Native American values, cultural resources, visual resources, soils, noxious weeds, air quality, threatened, endangered and candidate wildlife species. Details can be found in the Draft EIS p. 96-97, Final EIS p.12-13, and Record of Decision p.6. The proposed change to the plan of operation is so minor that it does not require any specific mitigation.

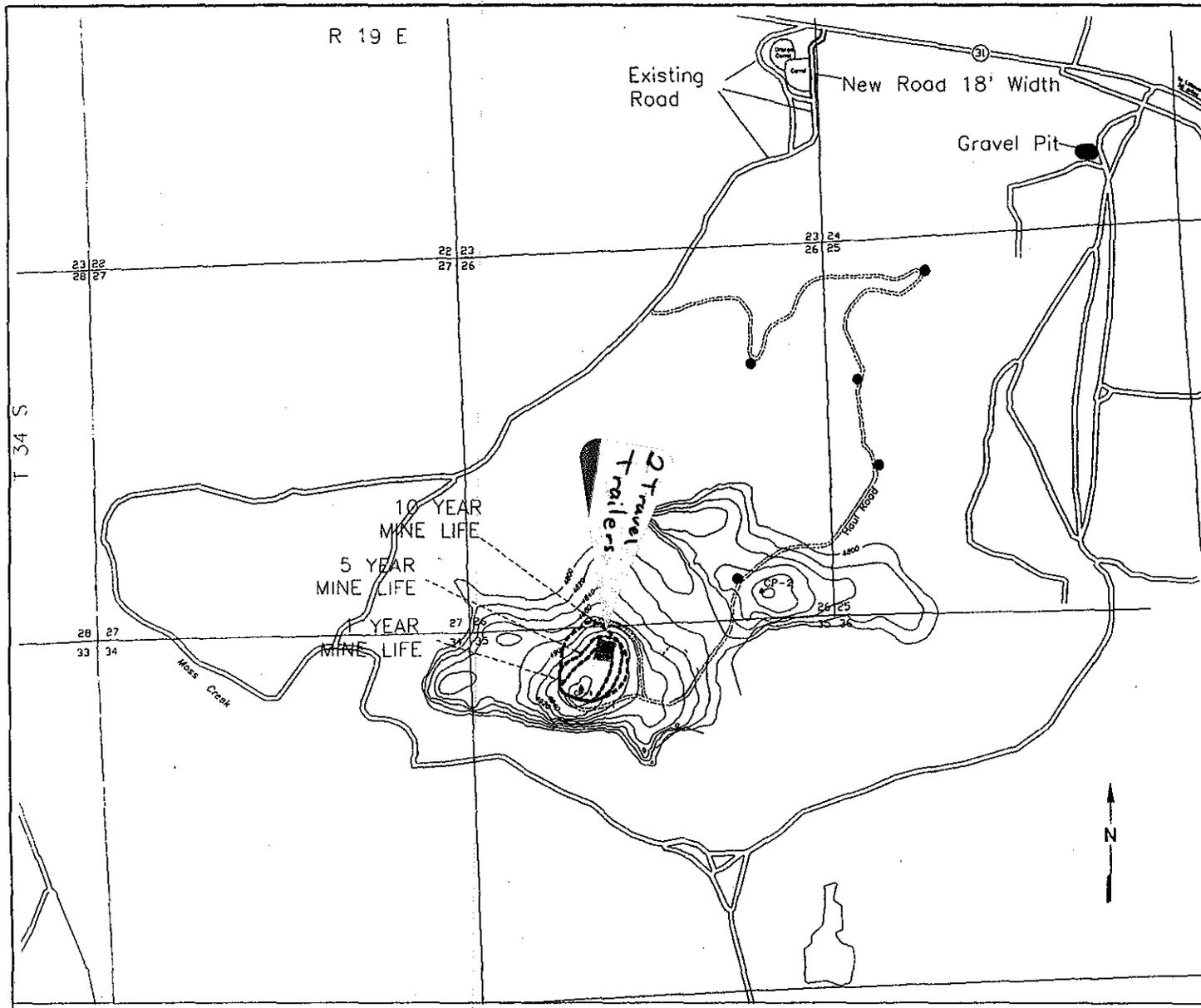
CONCLUSION

Based on the review documented above, I conclude that this proposal conforms to the applicable land use plan and that the existing NEPA documentation fully covers the proposed action and constitutes BLM's compliance with the requirements of NEPA.

Note: If one or more of the criteria are not met, a conclusion of conformance and/or NEPA adequacy cannot be made and this box cannot be checked

Scott R. Moore
Signature of the Responsible Official

8/22/01
Date



- Growth Medium Stockpile Site
- Waste Rock Site

0 1200
SCALE IN FEET

Atlas Perlite Inc.
TUCKER HILL PROJECT

FIGURE 1
AGENCY PREFERRED
ALTERNATIVE

Wildlife Notes
on
Amendments to Tucker Hill Plan of Operations (POO)
August 2001

Seasonal restrictions were recommended by the Lakeview Resource Area biologist in order to keep nesting raptors from being disturbed. This is required under the Eagle Protection Act of 1940 as amended and also under the Migratory Bird Treaty Act of 1918 as amended. At the time of the original POO (Nov. 1996), impacts to raptors from blasting operations was poorly understood. There were golden eagle, red-tailed hawk and prairie falcon nest sites within two miles of the quarry and the marsh below the quarry was a popular wintering site for bald eagles. It does not appear that Bald eagles use the area to the east of the quarry in the same manner as they did before the quarry was operational. This is most likely due to the fact that the private ranch that owns the majority of the marsh and the site the eagles were using, no longer dumps dead cattle on the site. There are no good roost structures for wintering bald eagles and it is suspected that the available carrion from dead cattle was the only draw to this particular site. Monitoring of golden eagles on the site during blasting operations were carried out beginning in January 2000. Monitoring has been conducted 3 times since and eagles were present (within viewing range) on two of those occasions. On one occasion, two adult golden eagles were present within 1 mile of the blast site and were in direct view of the blast. Both these eagles flew off shortly after the blast, but returned to their perch sometime later. On another occasion, a juvenile golden eagle was present 1.3 miles from the blast out of direct view and did not move from it's perch. It is suspected that occasional blasting will not cause direct mortality to golden eagles unless they are perched within the flying rock zone or flying directly overhead of the blast. Occasional blasting should not cause nest abandonment unless nests are located within 1 mile of the blast, in direct view or if repeated blasting were to occur within the nesting season.

A proposal was submitted by the operators of the Tucker Hill quarry to amend the POO by 1) removing the quarry schedule, 2) increasing the bench heights, allowing increased blasting depth, creating less noise to the surrounding areas and less fly rock from the blast, and 3) lifting the restrictions on blasting that run from February to June. It was also proposed that a LRA biologist monitor the blast to observe eagles for at least two additional years. Based on the limited observations to date, I recommend that the Tucker Hill POO be amended to temporarily remove current blasting restrictions for two years in order to allow blasting at any time during the year. This should be done with the exception that no more than three blasts would be allowed from February 1 to June 30 in order to eliminate the possibility of repeated disturbances. Biologists from the LRA should monitor all of the blasts for a period of at least two years. Blasting restrictions will be reevaluated again at that time. It is suspected that less disturbance to wildlife would occur if the bench restrictions are also changed as proposed. This would allow for the majority of the noise, air wake, and flying rock from the blast to be directed upward and not outward where it creates disturbance to wildlife.


/s/ Todd Forbes
August 20, 2001



P.O. Box 1287 • Lakeview, Oregon 97630
Telephone (541) 947-5755 • Fax (541) 947-5770

RECEIVED
APR 10/5/2001
LAKEVIEW, B.L.M.

Ken Tillman
Lakeview Resource Area
Bureau of Land Management
HC10 Box 337
Lakeview, Oregon 97630

RE: AMENDMENT TO THE TUCKER HILL PERLITE PROJECT PLAN OF OPERATIONS, 1996, Lake County, Oregon

Dear Ken,

Attached is the revised "Amendment to the Plan of Operations" for the Tucker Hill Quarry operation. The amendment transmits information required under 43 CFR 3809 describing the changes proposed by Cornerstone Industrial Minerals Corp., at the Quarry Site, Sections 26 and 35, T34N, R19E, Lake County, Oregon.

The proposed amendments to the Plan of Operation include three minor changes to the "in pit" operations of the quarry. **No changes in the permitted disturbance are proposed in the amendment.** The changes include modifications in the quarry schedules and bench blasting.

If you or your staff have any questions regarding information presented in the amendment, please do not hesitate to contact Mick Stanley or myself.

Sincerely,

Gregory McN. French
Consulting Geologist

Enclosures

cc: Randy Moore, DOGAMI
Michael Stanley

PROPOSED AMENDMENT

TO

**TUCKER HILL PERLITE PROJECT
PLAN OF OPERATIONS AND
RECLAMATION PLAN, JUNE 1996**

Prepared for:

**Bureau of Land Management
Lakeview District
Lakeview, Oregon 97630**

**Cornerstone Industrial Minerals Corp.
P.O. Box 1287
Lakeview, Oregon 97630**

April 2001

General Overview

Cornerstone Industrial Minerals Corporation is a privately held industrial minerals company engaged in the quarrying, processing, and marketing of perlite. The primary asset of company is the Tucker Hill operation located in south central Oregon (Fig. 1).

The company's assets in Oregon consist of the quarry, which contains the Tucker Hill perlite deposit, the processing facility in Lakeview, and the trans-loading terminal near Klamath Falls.

The quarry property consists of 800 acres of unpatented mining claims located on land administered by the Bureau of Land Management (BLM). Within the mining claims, drilling and sampling have delineated a perlite reserve of 4.9 million tons. Test work on core and bulk samples indicate that Tucker Hill perlite exceeds industry standards for expanded density, furnace yield, and compacted density.

The processing facility is located on an industrial park in Lakeview; it is served by good highway and rail connections. Lakeview and the mill are located on a rail spur operated by a short line carrier that is linked to the Union Pacific Railroad (UP) System.

In addition to the mill site rail spur, Cornerstone owns and operates a trans-loading terminal in Klamath Falls, Oregon which is served by the Burlington Northern Railway (BN), serving to customers throughout the Pacific northwest. Processed perlite is trucked from the processing facility in Lakeview to the trans-loading terminal.

The company produced approximately 65,000 tons of product last year. The processing plant has undergone a \$1.5 million dollar upgrade and expansion. Cornerstone presently ships to customers throughout the United States, Canada and the Pacific Rim via rail, truck and ship.

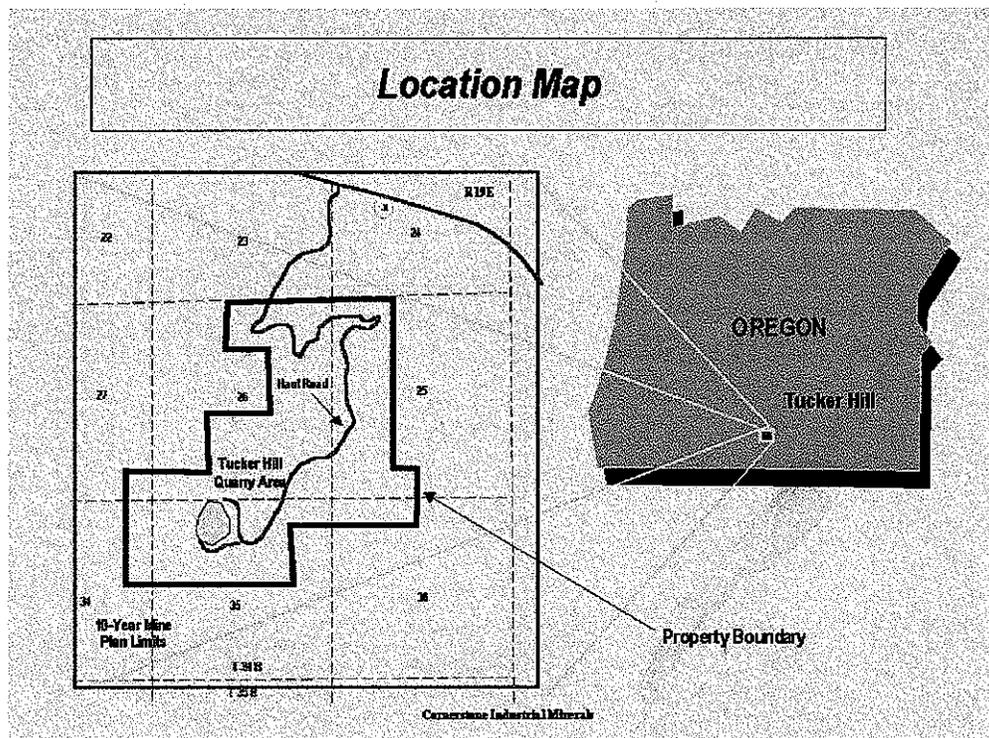


Fig 1

Legal Description

The Tucker Hill Project site and haul road is located in Lake County, Oregon within sections 23-26,35, Township 34 South, Range 19 East. A list of claims and corresponding serial numbers is provided in Exhibit A.

Claim Owner and Operator Information

The claim owner and operational offices are located at:

Cornerstone Industrial Minerals Corp.
P.O. Box 1287
HC 64, Box 19
Lakeview, Oregon 97630

Tel. (541) 947-5755
Fax (541) 947-5770

The contact personnel:

Gregory French, Consulting Geologist
Mick Stanley, President

Proposed Amendments

Cornerstone is proposing to make minor modifications to the present Tucker Hill Plan of Operations and Reclamation Plan, June 1996. The proposed amendment is necessary in order to address several changes in the operational parameters of the Plan of Operation; One, the economic market conditions of the perlite industry have changed. Two, the ore mined and processed over the last several years has produced slightly different physical properties than were used in determining the original operational parameters.

No changes in the permitted disturbance are proposed in the amendment. The pit limits will stay the same. All changes are considered "in pit" operational changes.

The amendment proposes three "in pit" operational changes in the quarrying operation.

- 1) Long term quarry schedule
- 2) Bench blasting
- 3) Blasting schedule

The following are the proposed changes:

- **QUARRY SCHEDULE:**

Original Plan: The quarry schedule developed for the plan of operations was based on market conditions at the time of application. The economic modeling expected the reserves to be exhausted after ten years. Hence the term "10 year pit" and "ten year mine life" were referred to in the original plan. The plan also recognized that market and mining conditions could change and that the permit would be amended accordingly.

Proposed Plan: The pit limits will not change under the proposed schedule change.

It is presently difficult to predict future production schedules for the Tucker Hill quarrying operation. It is proposed that the production schedule be dropped from the plan in order to reflect the changing market conditions of the perlite industry. Quarrying will cease when the pit reserves are exhausted.

Rational for Change: Production, both mill capacity and product sales, has not reached the expected levels predicted in the Plan of Operations quarrying schedule. Production has fallen behind. In addition, perlite market economics are currently undergoing changes that make it difficult to forecast the future sales for Cornerstone Industrial Minerals, Corp.

Added to the fluctuating market conditions of the perlite industry, the physical characteristics of the ore have changed. The original production model expected the quarrying to encounter very light perlite ore. The density of the ore is slightly heavier than predicted. More tons are being produced from the same volume of rock extracted, thereby increasing the reserves and quarry life.

- **BENCH BLASTING:**

Original Plan: The Tucker Hill quarrying operation uses conventional drilling and blasting methods to break the rock. In the original quarrying plan, bench heights were based on blasting depths of 10- to 12-foot.

Proposed Plan: The pit limits will not change under the proposed schedule change.

In order to minimize fly rock and produce the desired rock breakage, it is necessary to increase the bench heights to 20- to 25-foot. The quarry walls on the east and south sides would have benches 20-25 feet vertical and 25-30 feet horizontal. The pit limits will not change under this proposed amendment.

Rational for Change: Blasting the blocky flat lying perlite ore on 10- to 12-foot benches produces a large amount of flyrock outside the pit limits and incomplete fragmentation of the ore (oversize/boulders). The heavy energy (explosive generated gases) tends to follow the existing bedding planes in the shallow holes instead of developing the desired radial fractures needed for uniform breakage. Increasing drilling depths to 20-25 foot and corresponding stemming has reduced the flyrock and improved fragmentation.

Closer spaced drilling with reduced bit sizes did reduce some flyrock but excessive fines were produced in the ore. The increased fines have a deleterious effect on the ore processing. The fines create an additional dust hazard in the summer, frozen stockpiles in the winter, and more unmarketable sized products (waste).

▪ **BLASTING SCHEDULE:**

Original Plan: Wildlife clearance by a LRA biologist was required for blasting during the period of February 1 - June 30 for the first year of operation. After the first year, the plan of operation, required that no blasting occur during these five months. Blasting was prohibited to minimize the noise impacts on nearby raptors or other sensitive species should any be nearby during this nesting time.

Proposed Plan: The pit limits will not change under the proposed schedule change.

Cornerstone proposes that blasting be allowed throughout the year on a trial basis for the next two years. It is requested that a LRA biologist be present during the blasting periods in order to determine if raptors or other sensitive species are within the effected area of the blast and if there are any noise related impacts on the species. The proposed schedule will be adopted at the end of this review period, if the observations by the LRA biologist and company determine that the new schedule is acceptable.

The proposed two-year trial is in addition to the monitoring data collected during the past two years.

Rational for Change: The original operational plan did not have the flexibility to determine if raptors were in the immediate quarry area and if they were close enough to be impacted by the blast noise. Five months of no blasting can create operational and economic hardships for the company.

Large amounts of stockpiled material during the winter months produces ore with higher amounts of moisture. The high moisture ore causes handling problems at the quarry and higher fuel usage at the plant when

drying the rock. The inability to blast selected areas of the quarry during the restricted months could also cause a temporary shut down should excessive amounts of dead ore be encountered.

Creating a stockpile of material before the no blast period has required increased spending during a period of slow product sales. With the changing perlite markets it has been difficult to forecast revenues and cash reserves.

Inquires at Intermountain West quarry and mining operations with nearby raptors, indicate that there are no blasting moratoriums on the operations during the months required in the present Tucker Hill plan of Operations.

This Amendment to the Plan of Operations and Reclamation is being submitted in compliance with 43 CFR 3809 BLM regulations for the surface mining of public lands and the State of Oregon Revised Statutes (ORS) 517.

EXHIBIT A

The following unpatented lode mining claims located in Sections 25 - 27, & 34 - 35, T 34 S - R 19 E, WM, Lake County, Oregon:

<u>CLAIM NAME</u>	<u>BLM OMC #</u>	<u>BOOK</u>	<u>PAGE</u>
ED 11	47556	23	393
ED 12	47557	23	394
ED 13	47558	23	395
ED 14	47559	23	396
ED 15	47560	23	397
ED 25	47570	23	407
ED 26	47571	23	408
ED 27	47572	23	409
ED 28	47573	23	410
ED 29	47574	23	411
ED 37	47582	23	419
ED 38	47583	23	420
ED 39	47584	23	421
ED 40	47585	23	422
ED 41	47586	23	423
ED 42	47587	23	424
ED 43	47588	23	425
ED 46	47591	23	428
ED 47	47592	23	429
ED 48	47593	23	430
ED 49	47594	23	431
ED 50	47595	23	432
ED 51	47596	23	433
ED 52	47597	23	434
ED 53	47598	23	435
ED 54	47599	23	436
ED 55	47600	23	437
ED 56	47601	23	438
ED 57	47602	23	439
ED 58	47603	23	440

ED 59	47604	23	441
ED 62	47607	23	444
ED 63	47608	23	445
ED 64	47609	23	446
ED 65	47610	23	447
ED 66	47611	23	448
ED 67	47612	23	449
ED 68	47613	23	450
ED 69	47614	23	451
EDR 8	148286	32	99
EDR 9	148287	32	100
EDR 10, as amended	147400	32	78
EDRL 24	147864	32	77
EDR 35, as amended	147402	32	79
EDR 36, as amended	147403	32	80