

0006

**KAISER  
STEEL**

KAISER STEEL CORPORATION  
RATON COAL PROPERTIES • P. O. BOX 1107  
RATON, NEW MEXICO 87740 • (505) 445-5531

**RECEIVED**  
DEC 19 1983

**DIVISION OF  
OIL, GAS & MINING**

Steve Long  
1850 Laporte D-24  
Ft. Collins, Colorado 80521

Dear Mr. Long,

I am sending a copy of the corrected answer to one of the questions in the DOC of the Apparent Completeness Report. We discussed this page on the phone on Dec. 14, 1983. I am doing this to clarify the answer which was partially omitted on the copy you recieved. This answer is under Section UMC 784.13 (b)(5)(ii-v) of the A.C.R. The question deals with the reclamation plan, the reclamation techniques and the waste disposal site. I hope this correction will avoid any confusion about the answer to this question.

Sincerely,

*Les Boothe*

Les Boothe

cc:

Steve Cox

Doug Pierce

Marcia Wolfe



plan it is explained that highwalls and rock faces will be removed or regraded to blend with the surrounding landscape as natural outcrops. In section 3.5.5.2 it states that all disturbed areas will be reseeded either with a drill or hydroseeder.

In section 3.5.4.4 of the revised reclamation plan it is explained that until the research plots provide additional information, twelve inches of borrow material will be used to cover the refuse pile. The borrow material will be spread by scrapers and the area will be seeded with a drill, fertilized if necessary and mulched.

The reclamation plan does address each habitat or revegetation type. The reclamation plan need not address each specific disturbed site. Each facility will be reclaimed to the appropriate habitat type in which it occurs.

#### UMC 784.14 Reclamation Plan: Protection of Hydrologic Balance

(b)(1) In the presentation of mitigation measures in Section 3.4.3.2, mention is made of diverting runoff, regulating channel velocities and sealing roads and berms. However, no details from implementing these measures were found in the mine plan. This information should be provided, e.g., maximum velocity criteria for designing diversions. A sentence in Section 7.2.3.2 states that no diversions are planned. Please resolve this conflict.

#### Determination of Completeness

Design criteria to prevent erosion must be included. For example, limiting velocities to a maximum, dependent on material the diversion is located in. Several of the design calculations show velocities in excess of five feet per second. There could be erosion problems with these ditches. This must be addressed.

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UMC 784.14 (b)(1) asks for a plan for control or surface and ground water drainage through and out of the proposed mine plan area which does not include design criteria. Where velocities exceed 5 feet per second velocity breaks are provided on the design maps as required by the division in their approval letters.



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
UTAH STATE OFFICE  
136 E. SOUTH TEMPLE  
SALT LAKE CITY, UTAH 84111

IN REPLY REFER TO

3400  
SL-062966  
(U-921)

December 5, 1983

## Memorandum

To: Western Technical Center Manager,  
OSM, Denver

From: Chief, Mining Law and Solid Minerals  
BLM-SO, Salt Lake City

Subject: Kaiser Steel Corporation, Sunnyside Mines,  
Carbon County, Utah, Mining and  
Reclamation Plan (MRP)

Letters requested relative to the subject MRP plan are attached. Listing follows:

1. Letter dated 6/1/81, Moffitt to OSM Regional Director, Denver.
2. Letter dated 6/9/81, Moffitt to Kaiser
3. Letter dated 8/12/82, Moffitt to Kaiser
4. Letter dated 9/2/82, Moffitt to Utah State Coordinator, OSM, Denver

If you have questions, please call Boyd McKean, FTS 588-3108.

Attachments



DIVISION OF  
OIL, GAS & MINING

*John Moffitt*

OSM-WTC  
1983 DEC -7 PM 2:32  
WESTERN TECHNICAL CENTER



W. Hammon OSM  
IN REPLY REFER TO:  
BL-062966

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Office of the District Mining Supervisor  
Conservation Division  
2040 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

June 1, 1981

Memorandum

To: Regional Director, Office of Surface Mining, Denver

From: District Mining Supervisor

Subject: Kaiser Steel Corporation, Sunnyside Mines, Carbon  
County, Utah, Mining and Reclamation Plan, Utah  
Permit Application (Five-Year)

The subject two-volume plan (permanent program) forwarded with your letter dated March 30, 1981, and received in this office on April 1, 1981, has been reviewed for completeness and technical adequacy pursuant to the cooperative agreement between our offices and for conformance with Federal Regulations 30 CFR 211.10(c) dated May 17, 1976, as amended August 22, 1978. The following are our comments:

1. The subject submittal material has been assembled using the Utah State general guidelines for organizational format and content and items that are required by the U.S. Geological Survey's 30 CFR 211.10(c) regulations are not specifically identified. We propose that the submittee provide a cross-reference index that designates the sections and pages or maps which contain the 30 CFR 211.10(c) requirements. The format of this cross-reference index should follow the guidelines sent sometime in April 1981 to the operating companies by John Hardaway of OSM. A mining and reclamation plan submission under the permanent program (OSM) is to be a complete plan including mining plans approved by USGS-CD and the roof control and ventilation plans approved by the Mine Safety and Health Administration (MSHA). The complete submission will eventually be approved by the Secretary and will replace all previous approvals. If this option is taken to complete the plan, the prior approved plans as amended or modified must be submitted in their entirety as a supplement to the subject submittal. The subject new plan submittal would supercede any differences with the old 211 submittal. The cross-reference index referred to above should also be a part of this supplement.

2. A second option to complete the plan would require the operator to provide the following, including the cross-reference index:

A. Information relative to recoverable reserves as required by 30 CFR 211.10(c)(6)(1).

B. Federal leases issued after August 4, 1976, must have conceptual mining plans submitted that provide for the mining of all the reserves in the

lease (s) as required by 30 CFR 211.10(c)(6)(ii). A plan showing this data is required.

C. Federal regulations 30 CFR 211.10(c)(6)(vii) require the method of operation and measures by which the operator plans to comply with 30 CFR 211.4 and 211.40 and any special terms and conditions of the lease permit or license. A narrative statement, including only those items related to resource recovery, will comply with this requirement.

D. U.S. Geological Survey Operating Regulations, 30 CFR 211.10(c)(6)(viii) require the anticipated starting and termination dates of each phase for the life of the mining operation and the number of acres of land to be affected or having the potential to be affected.

E. Sufficient data should be submitted to substantiate the anticipated recovery factor of the resource. This data should include a narrative, cross sections, coal thickness isopachs for each minable seam, interburden isopachs, overburden isopachs, and quality and quantity data of all known potentially minable seams on the lands involved. The areal extent of mining of each seam to be mined should be delineated. This data is needed to ensure the maximum practicable recovery of the mineral resource as required by 30 CFR 211.10(c)(6)(x). This data is also relevant to information in the mining plan required by 30 CFR 211.10(c)(7)(iii).

F. Provide a narrative that addresses abandonment of coal mine operations as required by 30 CFR 211.10(c)(6)(xi). The narrative should include a statement that "Abandoning reserves on Federal leases or contiguous lands that may affect Federal lands for any reason will require an onsite review or inspection and a USGS-CD approval of the abandonment plan."

G. The operator is required by 30 CFR 211.10(c)(6)(xii) to furnish the USGS-CD complete logs of all exploration drill holes both surface and underground on Federal leases, that have not been submitted previously.

H. The operator must submit the Roof Control and Ventilation System and Methane and Dust Control Plans, most recently approved by MSHA, including the approved mine maps submitted as part of these plans. Regulations 30 CFR 211.10(c)(7)(v) requires the planned mine layout which must conform with the MSHA approved plans.

The company should furnish all agencies involved in the permitting process with the appropriate number of copies.

Jackson W. Hoffitt

cc: Denver  
Kaiser Steel Corp., California  
McKean (2) ✓

JBMckean:ot  
V1-B10 & B11

UNITED STATES  
DEPARTMENT OF THE INTERIOR

SL-062966

GEOLOGICAL SURVEY  
Office of the District Mining Supervisor  
Conservation Division  
2040 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

June 9, 1981

Kaiser Steel Corporation  
Attention: Mr. Hon C. Lee  
300 Lakeside Drive  
P.O. Box 58  
Oakland, CA 94666

Dear Mr. Lee:

The mine plan check-list (30 CFR 211.10(c)) you requested in our telephone conversation on June 5, 1981, is enclosed. We used this list to review the two-volume plan submitted by Kaiser Steel Corporation for a Utah State Mining Permit under the permanent OSM program.

In our review letter dated June 1, 1981, you were given two options to be in compliance with USGS-CD regulations. The end result in either case would be essentially the same. A mining and reclamation plan submitted for approval must be a complete document as it will eventually be approved by the Secretary, at which time all prior mining and reclamation plan approvals become "null and void."

We have requested one of the following two options to supplement your two-volume submission:

1. Submit a complete copy of the original 211 plan approval (May 17, 1976, plan) and all mine plan modifications presently effective. Also submit the latest roof control and ventilation plans including the mine maps approved by Mine Safety and Health Administration (MSHA).
2. Submit the itemized data and information request in our review letter dated June 1, 1981, relative to Federal regulations 30 CFR 211.10(c).

With either option please include a cross-reference index that designates, where the USGS-CD requirements are located in the plan. This cross-reference should follow the format of the enclosed regulations and show the location of the specific items by section and page or maps.

Sincerely yours,

Jackson W. Moffitt  
District Mining Supervisor

enclosure

cc: Denver

McKean (2) ✓



IN REPLY REFER TO:  
SL-062966

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
MINERALS MANAGEMENT SERVICE

Office of the District Mining Supervisor  
2040 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

August 12, 1982

Kaiser Steel Corporation  
Attn: Mr. John Huefner  
Sunnyside, Utah 84539

Dear Mr. Huefner:

In our telephone conversation on August 6, 1982, you inquired if we needed any additional information with respect to your mining plan permit applications. Both plans, Sunnyside and the South Lease Project, have been reviewed and commented on by our engineers. The correspondence relating to the reviews is listed below and a copy of each is attached.

1. Letter dated June 1, 1981, Moffitt to Regional Director, Office of Surface Mining (OSM). Review of Sunnyside Mines Mining and Reclamation Plan (MRP).
2. Letter dated June 9, 1981, Moffitt to Hon C. Lee (Kaiser). Information requested by Mr. Lee relative to the Sunnyside mines MRP.
3. Letter dated June 21, 1982, Moffitt to OSM. Review of South Lease Coal Property MRP.

Review the three letters and call myself or Boyd McKean if you have questions.

Sincerely yours,

Jackson W. Moffitt  
District Mining Supervisor

Attachments

cc: Denver w/o attachments  
McKean (3)✓



IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
MINERALS MANAGEMENT SERVICE

SL-062966-063383

Office of the District Mining Supervisor  
2040 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

September 2, 1982

Memorandum

To: Utah State Coordinator, Office of Surface Mining  
From: District Mining Supervisor  
Subject: Kaiser Steel Corporation, Sunnyside Mines, Carbon  
County, Utah, Resource Recovery and Protection Plan

The subject material transmitted with your form letter dated August 3, 1982, consisting of replacement and insertion information relative to Summary of Environmental Impacts, Environment Protection, Protection of Vegetative Resources, Revegetation Plan, and Schedule of Reclamation and Costs for chapters 1 and 3 and a rewritten chapter 9, Vegetation Resources, have been reviewed, as requested, for completeness and technical adequacy. The submitted material is compatible with 30 CFR 211 regulations, dated July 30, 1982, and will not conflict with our administration of the associated Federal leases. The information does not contain anything that relates directly to the responsibilities of the Minerals Management Service and will not interfere with the safe recovery of the maximum amount of the recoverable resource (coal).

Jackson W. Moffitt

cc: DMH-Mining  
Kaiser, Sunnyside  
DOGM  
McKean (2)✓



# United States Department of the Interior

IN REPLY REFER TO  
3400  
(U-066)

BUREAU OF LAND MANAGEMENT  
Moab District  
P. O. Box 970  
Moab, Utah 84532

MAY 28 1981

UT0006  
UT0010

UT 0014

## Memorandum

To: Regional Director, Office of Surface Mining, Denver, Colorado

From: District Manager, Moab

Subject: Mine Plan Review

The following comments are provided for listed mine plans:

Kaiser's Sunnyside Mines - Vegetation Section: Definitions for the terms "cover", "frequency", "constancy" and "production" are not provided. Reference to who made sagebrush subspecies identification and methods used should be included as considerable confusion of such identification exists. Rabbitbrush is not needed in the seeding mixture as it would be introduced by natural means.

Beaver Creek's Gordon Creek No. 2 - Hydroseeding (page 3-30) is not considered a viable method for seeding in areas having less than 20 inches of precipitation annually. Harrowing or drilling of seed is recommended to provide soil cover. Rabbitbrush is not needed in the seeding mixture as it would be introduced by natural means.

U. S. Fuel's King Mines - No comment.

CC:  
State Director, Utah (U-931)

