

0001

File ACT/007/007, File #2

~~Copy to Mary~~

3400  
SL-052966  
(U-921)

December 28, 1983

Memorandum

To: Utah Senior Project Manager, OSM, Denver

Attention: Mr. Louis Hamn

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

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

RECEIVED  
DEC 30 1983

DIVISION OF  
OIL, GAS & MINING

The four-volume supplemental submission, apparent completeness review (ACR) to the subject MRP, which was transmitted with your letter dated October 5, 1983, has been reviewed for completeness and technical adequacy. We were also requested to determine if the proposed current coal recovery procedures conflicted with future recovery of the coal resources. Our current review was directed principally to determine conformance with 43 CFR 3482.1(c) formerly 30 CFR 211.10(c), which were effective August 30, 1982, and for compliance to the appropriate deficiencies and special requests listed in our memorandum dated June 1, 1981, (copy attached). As a consequence of the consolidation of the operations functions of the Minerals Management Service into the Bureau of Land Management, the former 30 CFR 211 operating regulations have now been renumbered into the 43 CFR 3480 series. All references to operating regulations will reflect this change. The June 1, 1981, memorandum was the review for completeness and technical adequacy of the initial two-volume MRP plan, which was received in this office on April 1, 1981.

Apparently, the June 1, 1981, memorandum was not considered in the ACR process. The total plan on file in this office is still deficient in some of the concerns noted in the June 1, 1981, memorandum and must be supplemented or modified to include the following:

1. 43 CFR 3482.1(b) in part, requires that MRP plan submittals not approved as of August 30, 1982, be revised to comply with the new rules. The subject MRP plan is still pending approval. By memorandum dated October 12, 1982, (copy attached) we notified the company of this requirement and suggested a way to minimize their efforts to revise the underground mining part of the current permit application package. Principally, we requested that the company provide this office with a cross-reference between the new rules and their current permit application and submit any additional technical information that may be required. To assist the review and preparation of the cross-reference, we attached a checklist used by this office for reviewing "Resource Recovery and Protection Plans" (revised checklist attached).

2. Information relative to reserves, by lease as required by 43 CFR 3482.1(c)(3)(iii).

3. 43 CFR 3482.1(c)(4)(v) and 43 CFR 3482.1(c)(7) requires that all minable coal in Federal lease U-32083 be included in the conceptual mine plans. The areas not covered by projections need an explanation as to why they are not included and how the unmined coal reserves, if any, will be protected. Sufficient data should be submitted to substantiate the anticipated recovery of the resource including supporting maps.

4. 43 CFR 3482.1(c)(6) requires copies and cross-referencing of data used from submittals approved by Mine Safety and Health Administration.

We have a letter from Utah State DCGM dated November 22, 1983, stating that they have completed a review of the MRP plan and have determined that the plan to be apparently complete and that they will now prepare a technical analysis. BLM cannot approve the resource recovery and protection plan, our part of the permit application package, until our concerns noted above are resolved.

Enclosures

cc: DCGM w/enclosure ✓  
Kaiser w/enclosure

**RECEIVED**  
DEC 30 1983

**DIVISION OF  
OIL, GAS & MINING**



IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SL-062966

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)

RECEIVED  
DEC 30 1980

DIVISION OF  
OIL, GAS & MINING

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 submitter 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)(5)(i).

C. 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  
VI-B10 & B11

**RECEIVED**  
500 00 1980

**DIVISION OF  
OIL, GAS & MINING**

Copy for [unclear]

*Make [unclear]*



# United States Department of the Interior

MINERALS MANAGEMENT SERVICE  
CENTRAL REGION

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

IN REPLY  
REFER TO

October 12, 1982

*Companies  
attached*

**RECEIVED**  
DEC 30 1982

**DIVISION OF  
OIL, GAS & MINING**

Dear Sirs:

The Coal Exploration and Mining Operations Rules, 30 CFR 211, govern operations for the exploration, development, and production of coal from Federal lands in accordance with the requirements of the Mineral Leasing Act of 1920 and its amendments. A major revision of these rules became effective August 30, 1982. A significant section of these rules addresses the requirements of your mine plan, now designated as a "resource recovery and protection plan." Specifically 30 CFR 211.10(b) states that, "Any resource recovery and protection plan submitted but not approved shall be revised to comply with these rules."

Most of the mine plans currently approved by this office were submitted as a result of our request that your mine plan comply with the May 17, 1976, amendment of the 30 CFR 211 rules. Others are plans of new mines which have been approved by this office and the State and Federal regulatory authority. Still others are old plans which were updated and became a part of your more recent "permit application" to the Office of Surface Mining or the State regulatory agency. Some mining permits have been issued as a result of these recent applications and others are pending action by Federal and State regulatory bodies.

We interpret the rule change in 30 CFR 211.10(b) to apply to those plans submitted to the State or Federal regulatory authority as a permit application prior to August 30, 1982, which have not been approved as well as any new permit applications which have been or will be submitted after that date. The Mineral Leasing Act resource recovery and protection plan (mine plan) was submitted as a part of the permit application package to the regulatory authority.

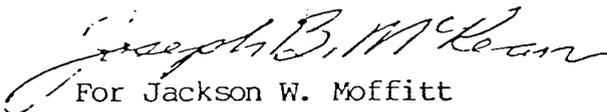
In an attempt to minimize your efforts to revise your current pending permit application to comply with the new rules, we request that you review your present permit application now filed with the State to determine that it contains all of the information required by the August 30, 1982, version of 30 CFR 211. If additional information is required, it should be submitted

directly to this office since it only involves technical information relative to the contents of the resource recovery and protection plan. In addition, we request that you provide us with a cross-reference between the new rules and your current permit application. To assist you in your review and preparation of the cross-reference, we have attached a check list used by this office for reviewing "Resource Recovery and Protection Plans." Where required, we request that your resource recovery and protection plan be updated and submitted to this office by April 1, 1983.

In any new permit application, the resource recovery and protection plan is to be submitted as a separate entity in the permit application package. Original maps and other related information need not be generated. Maps and other documents prepared for other sections in the application will be adequate providing they contain the required information. However, a copy of the relevant portion of such submittals must be included in the resource recovery and protection plan.

If you have any questions, please contact Boyd McKean or myself.

Sincerely yours,

  
For Jackson W. Moffitt  
District Mining Supervisor

Attachment

P. O. Box AU  
Price, UT 84501

P. O. Box 330  
Donaker, VA 24260

P. O. Box 899  
Salt Lake City, UT 84110

Blackhawk Coal Company  
P. O. Box 700  
Lancaster, OH 43130

Kaiser Steel Coal Corporation  
Mr. John D. Saussaman, VP  
P. O. Box 58  
Oakland, CA 94666

Wasatch Coal Company  
c/o Cannon Associates  
102 West Victoria Square  
Phoenix, AZ 85013

Price River Coal Company  
P. O. Box 629  
178 South Main Street  
Helper, UT 84526

Malcolm N. McKinnon Marital &  
Residual Trusts  
1300 Walker Bank Building  
175 South Main Street  
Salt Lake City, UT 84111

*one to Summary*  
↑  
*Mailed*  
*10-22-8*  
*af*

California Portland Cement Co.  
800 Whilshire Boulevard  
Los Angeles, CA 90017

Utah Power & Light Company  
P. O. Box 899  
1407 West North Temple  
Salt Lake City, UT 84110

Soldier Creek Coal Company  
P. O. Box I  
Price, UT 84501

Sunoco Energy Development Company  
Suite 1500  
12700 Park Central Place,  
Dallas, TX 75251

Coastal States Energy Company  
111 West 7200 South, Suite 200  
Salt Lake City, UT 84047

Trail Mountain Coal Company  
P. O. Box 356  
Orangeville, UT 84537

Southern Utah Fuel Company  
P. O. Box P  
Albina, UT 84654

~~Fetterolf Group  
P. O. Box 84  
Somerset, PA 15501~~

*Natomas*

Consolidation Coal Company  
Western Region  
Inverness Drive, East  
Glenwood, CO 80110

U. S. Fuel Company  
University Club Building  
Nineteenth Floor  
136 East South Temple  
Salt Lake City, UT 84111

Hammer Coal Company  
Frontier, WY 83121

U. S. Steel Corporation  
c/o U. S. Steel Mining Company, Inc.  
P. O. Box 807  
East Carbon, UT 84520

Mr. Caesar Fulton  
P. O. Box 49  
Truth or Consequences, NM  
87943

U. S. Steel Corporation  
Room 2215, 600 Grant Street  
Pittsburgh, PA 15230

Mr. Charles A. Denton  
P. O. Box 2497  
Lindoso, NM 88345

Utah International Inc.  
550 California Street  
San Francisco, CA 94104

Coal Mine \_\_\_\_\_ Mine Plan Date \_\_\_\_\_ Date Received \_\_\_\_\_

Current Resource Recovery and Protection Plan Approval Date \_\_\_\_\_

3482.1(c) Regulation	Separate Items	Included In Plan	Adequate	Comments
(1) Names, addresses, and telephone numbers of persons responsible for operations to be conducted under the approved plan to whom notices and orders are to be delivered; names and addresses of operators/lessees; Federal lease serial numbers; Federal license serial numbers, if appropriate and names and addresses of surface and subsurface coal or other mineral owners of record, if other than the United States.	Operations			
	Lessees			
	Lease Numbers			
	Surface Owners			
	Mineral Owners			
	Lease Numbers			
	MSHA I.D. #			
(2) A general description of geologic conditions and mineral resources, with appropriate maps, within the area where mining is to be conducted.	Geologic Conditions			
	Mineral Resources			
	Maps			
(3) A description of the proposed mining operation, including: (i) Sufficient coal analyses to determine the quality of the minable reserve base in terms including, but not limited to, Btu content on an as-received basis, ash, moisture, sulphur, volatile matter, and fixed carbon content.	Coal Analyses			
	Coal Quality			
	Btu			
	Ash			
	Moisture			
	Sulphur			
	Volatile Matter			
	Fixed Carbon			

\* The Resource Recovery and Protection Plan under 43 CFR 3482.1(c) provides for the requirements of the Mineral Leasing Act (MLA) and shall be submitted to the appropriate BLM District as required under

3482.1(c)(3) Regulation	Separate Items	Included In Plan	Adequate	Comments
(ii) The methods of mining and/or variation of methods, basic mining equipment and mining factors including, but not limited to, mining sequence, production rate, estimated recovery factors, stripping ratios, highwall limits, and number of acres to be affected.	Mining Methods			
	Mining Equipment			
	Mining Sequence			
	Production Rate			
	Stripping Ratios			
	Highwall Limits			
	Acres Affected			
(iii) An estimate of the coal reserve base, minable reserve base, and recoverable coal reserves for each Federal lease included in the resource recovery and protection plan. If the resource recovery and protection plan covers an LMU, recoverable coal reserves will also be reported for the non-Federal lands included in the resource recovery and protection plan.	For each Fed. lease			
	For LMU			
	Coal Reserve Base			
	Minaable Reserve Base			
	Recov. Coal Reserves			
(iv) The method of abandonment of operations proposed to protect the unmined recoverable coal reserves and other resources.	Protect Coal Reserves			
	Protect Other Resources			
(4) Maps and cross sections as follows: (i) A plan map of the area to be mined showing the following: (A) Federal lease boundaries and serial numbers; (B) LMU boundaries, if applicable; (C) Surface improvements, and surface ownership and boundaries;	Plan Map(s)			
	A			
	B			
	C			

3482.1(c)(4)(i) Regulation	Separate Items	Included In Plan	Adequate	Comments
(D) Coal outcrop showing dips and strikes; and, (E) Locations of existing and abandoned surface and underground mines.	D			
	E			
(ii) Isopach maps of each coal bed to be mined and the overburden and interburden.	Coal Isopach Maps			
	Overburden			
	Interburden			
(iii) Typical structure cross sections showing all coal contained in the coal reserve base.	Cross Sections			
(iv) General layout of proposed surface or strip mine showing: (A) Planned sequence of mining by year for the first 5 years, thereafter in 5-year increments for the remainder of mine life; (B) Location and width of coal fenders; and, (C) Cross sections of typical pits showing highwall and spoil configuration, fenders, if any, and coal beds.	Gen. Layout Surface			
	A			
	B			
	C			
(v) General layout of proposed underground mine showing: (A) Planned sequence of mining by year for the first 5 years, thereafter in 5-year increments for the remainder of mine life; (B) Location of shafts, slopes, main development entries and barrier pillars, panel development, bleeder entries, and permanent barrier pillars;	General Layout Underground			
	A			
	B			

3482.1(c)(4)(v) Regulation	Separate Items	Included In Plan	Adequate	Comments
<p>(C) Location of areas where pillars will be left and an explanation why these pillars will not be mined;</p> <p>(D) A sketch of a typical entry system for main development and panel development entries showing centerline distances between entries and crosscuts;</p> <p>(E) A sketch of typical panel recovery (e.g., room and pillar, longwall, or other mining method) showing, by numbering such mining, the sequence of development and retreat.</p>	C			
	D			
	E			
<p>(vi) For auger mining:</p> <p>(A) A plan map showing the area to be auger mined and location of pillars to be left to allow access to deeper coal;</p> <p>(B) A sketch showing details of operations including coal bed thickness, auger hole spacing, diameter of holes and depth or length of auger holes.</p>	Auger Mining			
	A			
	B			
<p>(5) A general reclamation schedule for the life-of-the-mine. This should not be construed as meaning duplication of a permit application in a permit application package under SMCRA. The resource recovery and protection plan may cross-reference, as appropriate, a permit application submitted under SMCRA to fulfill this requirement.</p>	General Schedule			
	Included			
	Cross-Referenced			

3482.1(c)(6) Regulation	Separate Items	Included In Plan	Adequate	Comments
<p>(6) Any required data which are clearly duplicated in other submittals to the regulatory authority or Mine Safety and Health Administration may be used to fulfill the requirements of the above paragraphs provided that the cross-reference is clearly stated. A copy of the relevant portion of such submittals must be included in the resource recovery and protection plan.</p>	MSHA Approvals			
	Included			
<p>(7) Explanation of how MER of the Federal coal will be achieved for the Federal coal leases included in the resource recovery and protection plan. If a coal bed, or portion thereof, is not to be mined or is to be rendered unminable by the operation, the operator/lessee shall submit appropriate justification to the District Mining Supervisor for approval.</p>	MER			

ADDITIONAL COMMENTS

Regulation	Separate Items	Included In Plan	Adequate	Comments