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*File*

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Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple

Salt Lake City, Utah 84116

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E. STEELE McINTYRE

December 3, 1979

Mr. John Nadolski  
Office of Surface Mining  
Brooks Towers  
1020 15th Street  
Denver, Colorado 80202

Re: Kaiser Steel Corporation  
Sunnyside Mine  
Special Study Period  
*ACT/007/007*

Dear John:

Per our conversation of today, enclosed you will find a copy of the Board's Order in Cause Number ACT/007/007 dated October 24, 1979 and Attachment 'A' to that Order which outlines the special study period. The transmittal for same letter is also enclosed.

Please contact us if you need additional information on this.

Sincerely,

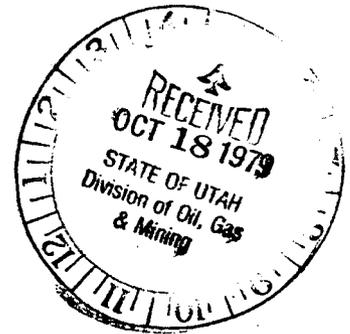
RONALD W. DANIELS  
COORDINATOR OF MINED  
LAND DEVELOPMENT

RWD/sp  
enc: Board Order

**KAISER  
STEEL**

KAISER STEEL CORPORATION  
SUNNYSIDE COAL MINES  
SUNNYSIDE, UTAH 84539  
TELEPHONE 801-888-4421

October 16, 1979



Mr. Ron Daniels  
Department of Natural Resources  
Division of Oil, Gas & Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

Re: KSC Sunnyside Mines  
ACT/007/007  
Special Study Period

Dear Mr. Daniels:

As a result of our appearance before the Board on 9-26-79 an outline for the study period was prepared by us and reviewed with your people on 10-9-79. Kaiser Steel Corporation hereby submits a detailed outline of the parameters to be studied for the "Special Year Study on Use of Coal Waste Material". The following items are periodic and will be done as indicated:

- I. WATER ANALYSIS (Monthly) Grassy Trail Creek sample above (UPR) and below (LWR) mine area, testing by Ford Chemical for: alkalinity, acidity, arsenic, chloride, conductivity, iron (dissolved and total), lead, manganese, nitrate, oil & grease, phosphorus, potassium, selenium, silver, sulphate, TDS, TSS, and pH.
- II. CREEK BOTTOM STUDY (Quarterly) Grassy Trail Creek sample for invertebrates at approximately six random spots determined by DOGM, KSC and Dr. R. N. Winget (BYU), being tested and analyzed by Dr. Winget.
- III. NATURAL VEGETATION GROWTH (frequency to be determined by DOGM). This item will be monitored by DOGM personnel at designated areas in Whitmore Canyon. KSC will establish and plant a refuse test plot to determine growth potential of coal waste to be supervised and analyzed by DOGM. SCS and DWR also available for some help and input.

The following are one time only items:

- IV. ANALYSIS OF WASHED COAL (Physical and chemical) copy of test results indicating make-up of material.
- V. ANALYSIS OF COAL REFUSE (Waste) random sample tested for use as road base material analyzed by AC&R, RB&G, Pittsburgh Testing and UDOT.
- VI. AVAILABILITY OF ALTERNATE MATERIAL SOURCE (Granular) check local area, Henrie pile and Lowdermilk pile and tested by UDOT.

VII. AREA SOILS ANALYSIS conducted by USU Soils Lab. Samples of:

- (1) Undisturbed top soil along road and creek.
- (2) Top soil pile near slurry ponds.
- (3) Disturbed slope near manshaft.
- (4) Refuse silt from road runoff.

VIII. ROAD DRAINAGE PATTERNS on all areas where coal refuse used. Map indicating contributing watershed, runoff patterns, size & spacing of culverts, and past flood data. DOGM will analyze sedimentation, erodability and infiltration.

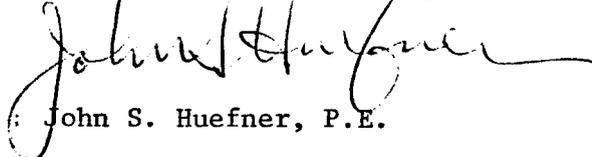
IX. SUPPORTING MATERIAL -

- A. Maps showing locations of items I, II, III, VII, and VIII.
  - B. Photographs of items II and III.
  - C. Graphs of items I and IV.
  - D. Reports included where relating to this study from BOM, SCS, DWR, etc.
- X. SUMMARY - REPORT OF ANALYSIS & FINDINGS drafted by KSC with attachment by DOGM. DOGM also to consider coal refuse use as part of regulations.

Please advise us as soon as possible as to the acceptance of this outline and if we are needed to present this format before the Board at the October meeting.

Sincerely,

KAISER STEEL CORPORATION



John S. Huefner, P.E.

JSH:dm

CC: Joe Taylor  
Lloyd Heath  
Lynn Huntsman

BEFORE THE BOARD OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH

A-1  
File in

IN THE MATTER OF THE APPLICATION OF )  
KAISER STEEL CORPORATION FOR A ) REQUEST FOR HEARING  
HEARING, RE: NOTICE OF VIOLATION OF ) NO. ACT/007/007  
BOARD RULE MC 717.14(4) AT SUNNYSIDE )  
MINE, CARBON COUNTY, UTAH. )

Notice should be Rule 717.17 violation #4

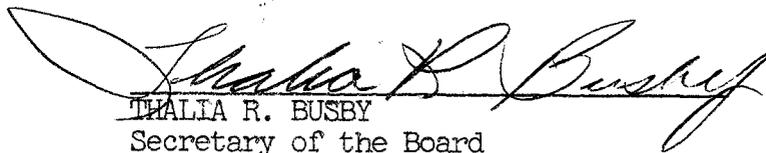
Notice is hereby given that the Board of Oil, Gas and Mining, upon the motion of Kaiser Steel Corporation will conduct a hearing on Wednesday, September 26, 1979, at 10:00 a.m. in the Executive Conference Room, Holiday Inn, 1659 West North Temple, Salt Lake City, Utah in the above entitled matter.

The purpose of said hearing will be the review of a violation notice issued by the Division of Oil, Gas and Mining on April 13, 1979 at the Sunnyside Mine, Carbon County, Utah. The Division issued said notice upon determining that coal waste was being used by the mining operation in areas not specifically designated as disposal sites in violation of Board Rule MC 717.17(4).

Kaiser Steel Corporation and all persons interested in said mining operation located in Township 14 South, Range 14 East, Carbon County, Utah, are hereby ordered to appear at the above scheduled hearing.

DATED this 31st day of August, 1979.

STATE OF UTAH  
BOARD OF OIL, GAS AND MINING

  
THALIA R. BUSBY  
Secretary of the Board

Division of Oil, Gas and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116  
Phone: (801) 533-5771