

BEFORE THE BOARD OF OIL, GAS, AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
in and for the STATE OF UTAH

-----

IN THE MATTER OF THE APPLICATION OF )	
KAISER STEEL CORPORATION FOR A )	ORDER
HEARING, RELATIVE TO THE NOTICE OF )	Cause No. ACT/007/007
VIOLATION OF BOARD RULE MC-717.14(4) )	
AT SUNNYSIDE MINE, CARBON COUNTY, )	
UTAH. )	

-----

This cause came before the Board of Oil, Gas, and Mining on 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 was to review a violation notice issued 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. The following Board Members were present:

John Bell, Chairman  
E. Steele McIntyre  
Thadis W. Box  
Edward T. Beck

Also present and representing the Division were:

Ron Daniels, Coordinator of Mined Land Reclamation  
Cleon B. Feight, Director, Division of Oil, Gas, and Mining  
Mike Thompson, Engineering Geologist  
Tom Suchoski, Reclamation Hydrologist

Representing Kaiser Steel Corporation were:

John Huffner, Mining Engineer, Sunnyside Mine  
Lynn Huntsman, Chief Engineer, Sunnyside Mine  
Joe Taylor, Director of Mining Operations, Kaiser Steel

NOW THEREFORE, The Board having heard the testimony of the witnesses and having considered the evidence and being advised in the premises now makes and enters the following:

FINDINGS OF FACT

1. Due and regular notice of the time, place and purpose of the hearing was given to all interested parties in the form and manner and within the time required by law and the rules and regulations of the Board.
2. The Board has jurisdiction over this matter and over the parties interested therein and has authority to issue the Order hereinafter set forth.

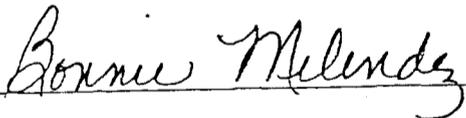
3. Kaiser Steel Corporation, the operator has placed coal refuse in the past on road surfaces around its Sunnyside Mine in the general areas of Whitmore Canyon, #2 Canyon, Slaughter Canyon to the mouth of Water Canyon and on the road to the Sunnyside Mine Coarse Refuse Pile.
4. The operator has not deposited coal refuse material on road surfaces since the enactment of Public Law 95-87.
5. The Division issued a violation to the operator on April 13, 1979 for maintaining access roads with coal waste material. The violation, on page three was numbered as part four of violation number four.
6. To demonstrate an alternative abatement measure of part four of violation number four as issued on April 13, 1979, the operator proposes to conduct a "Special Year Study on Uses of Coal Waste Material" as shown on Attachment 'A' and dated as received by the Division on October 18, 1979.

ORDER

IT IS NOW THEREFORE ORDERED BY THE BOARD THAT:

1. Violation number four, part four is temporarily abated until November 1, 1980.
2. The operator shall conduct the steps included in the study outlined in Attachment 'A' and the Division will monitor the conduct of said study by the operator or his contractors by receiving quarterly reports.
3. The major objective of the study will be to demonstrate that the use of coal waste material as a road surfacing medium does not pose a threat to either public safety of the environment.
4. A draft report of analyses and findings will be submitted to the Division by November 1, 1980 and the Board shall be presented with the final report at its November, 1980, regular monthly meeting.

SO ORDERED by the Board at its executive meeting on October 24, 1979.

  
ACTING SECRETARY TO THE BOARD

**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.

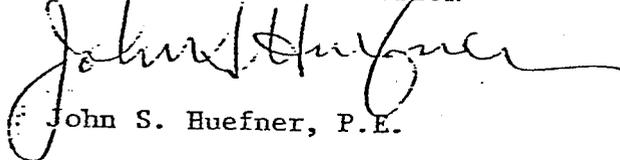
IX. SUPPORTING MATERIAL -

- 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