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October 13, 1981

Mr. John Hufner
Kaiser Steel Corporation
P.O. Box D
Sunnyside, Utah 84539

RE: Sunnyside Mine
ACT/007/007/
Carbon County, Utah

Dear Mr. Huefner:

During the inspection of September 2, 1981, a series of photographs were taken of the slurry pond area to show how runoff was being controlled to reduce erosion and sedimentation in both the disturbed and undisturbed areas and how ditches were designed to segregate the disturbed area runoff from the adjacent undisturbed and reclaimed areas and to direct water into the sediment pond.

Picture captions were prepared along with the photographs and these are being sent to you for your information and attention.

1. Ditches have been graded along the roadway to keep sedimentation away from the reclaimed area. Some spoil can be seen on the wrong side of the ditch;
2. Drainage ditches along the railway line are designed to prevent water from the revegetated hill area from becoming contaminated with coal fines along the railroad.
3. Previously disturbed areas of coal spoil should be completely covered with subsoil to a depth of 2 feet before topsoil is added and reseeded during reclamation.

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4. A berm built of coal spoil along this road to the landfill area has a ditch below it to retain coal fines and direct the runoff to a sediment pond. Another ditch about ten feet away runs parallel to it. This ditch diverts water flow away from the disturbed area into a natural drainage. Objective of the double ditch system is to segregate contaminated water from adjacent normal runoff.

5. Adjacent to this roadway formed of coal spoil is a borrow area where both topsoil and a larger subsoil stockpile are being stored for revegetating and reclaiming coarse refuse. Both of these stockpiles have a perimeter berm to reduce erosion and runoff. Strawbales should be used to effectively control further erosion. These stockpiles require topsoil and subsoil markers.

6. Two large oil tanks, owned by Sunnydale Corporation, are partially buried into the berm of the large slurry pond. These and two vehicles in the area should be removed if they are no longer used.

7. The large topsoil stockpile on the north side of the slurry pond area, has a water course and berm around it. The coke breeze fraction had been removed from it and some topsoil has been removed to the new stockpile in the south borrow area. This should be reshaped and leveled and then reseeded to protect it during the coming season. Mr. Huefner suggested the complete removal of this stockpile may require two or more years. Strawbales have been placed in both perimeter drains to control outflow sedimentation. This topsoil stockpile has a well defined marker. More perimeter markers should be put up to define the perimeter of the slurry pond area, that is disturbed, and particularly around the new borrow areas.

Sincerely,


JEAN L. DOUTRE
RECLAMATION OFFICER

JLD/te

Enc: Photographs

cc: Inspection Staff