

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

June 25, 1979



*Stamp in
6/26
file 1
Route 1
Return 1 - mine*

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

Ref: Sunnyside Mines
Act/007/007
MC700/etc., Violations

Gentlemen:

We hereby submit comments and supporting data in response to your letter of April 13, 1979:

1. (717.11) Kaiser Steel has a "Hydrologic Monitoring Plan" on site which was sent to you on May 30, 1979 identifying:
 - a. Two mine water discharge points directly to Grassy Trail Creek (pts. 002 & 003).
 - b. Two underground mine water metered locations (pts. UGM1 & UGM3).
 - c. One mine water discharge to slurry ditch (pt. 004).
 - d. One clear water slurry pond discharge for agricultural use (pt. CWP).
 - e. Three locations on Grassy Trail Creek (pts. UPR, LWR & USGS).

(See enclosed map - Exhibit A)
2. (717.12) Kaiser Steel has made new signs with information required and placed at all appropriate locations (S) (See Exhibit C).
3. (717.15) 1) a. In process of field measurement and design of total area to facilitate proper installation of necessary berms and ditching to include revegetation.
 - b. Area at silo loadout has been cleaned of all dumped refuse and construction of protection structure is being accomplished to prevent any

recurrence of waste falling into Grassy Trail Creek. (Plans previously submitted to your office 5-18-79)

- c & d. This area is being cleaned up and Kaiser Steel is applying for special permit to allow temporary emergency dumping.
- 2) The solid waste disposal area plans are attached being duly stamped by a registered professional engineer. (see Exhibit D)
4. (717.17) 1) Some diversion structures have been constructed, others are being constructed, and remaining diversion structures needed are being designed prior to implementation.
- 2) An existing slurry pond shall be used as a sedimentation pond and a brief description of the pond slopes was included with the Hydrologic report. (copy attached)
- 3) A formal Hydrologic Monitoring Plan was submitted to your office on 6-15-79. (copy attached)
- 4) a. All roads are no longer maintained with coal waste and Kaiser Steel Corporation is in the process of grading and revegetating where required, all roads and accesses on the property. Our coal waste (refuse) has been tested chemically and found to be non-toxic. We are presently conducting stability and abrasion tests on the waste to substantiate its durability and acceptance as a road base material.
- b. The main road up Whitmore Canyon is a County road which Kaiser Steel received permission to stabilize base with coal waste. (see letter attached)
- 5) A sign has been installed on the stockpile and the pile will be sprayed with a water-repellent emulsion or vegetation mulch by July 31, 1979.

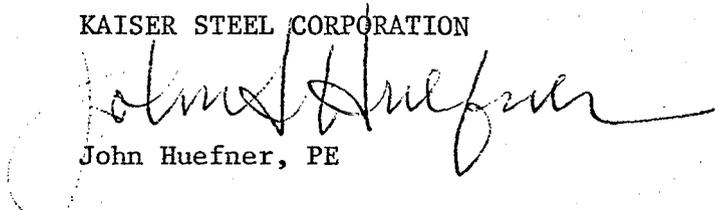
Also enclosed please find the following data:

1. A sample report on the chemically analysis of the mine water (pts. 002, 003 & 004) as conducted by Ford Chemical Laboratory.
2. The chemical analysis of the Grassy Trail Creek at pts. UPR & LWR. They are incorrectly labeled "culinary" water since the samples are taken directly out of the creek, so please disregard that notation.

3. Graphs showing the history (from April '76 thru May '79) of TSS, TDS, Fe, Oil & Grease, & pH from sampling sites 001, 002, 003, & 004.
4. A report from the American Chemical and Research Laboratories on their findings from testing the coal waste and certain waste waters.

Sincerely,

KAISER STEEL CORPORATION


John Huefner, PE

JH:dm

CC: Joe Taylor
Lloyd Heath
Lynn Huntsman

Enclosures