

March 12, 1985

TO: Coal File, Inspection and Enforcement Folder
FROM: David Lof, Mining Field Specialist 
RE: Kaiser Steel Corporation, Sunnyside Mine, ACT/007/007,
Folder #7, Carbon County, Utah

On February 21, 1985 I conducted a partial inspection at the above mentioned mine site. I was accompanied on the inspection by Doug Pearce of Kaiser Steel Corporation. The weather at the time of my inspection was sunny and mild.

Manshaft Mine Water Pond

The water level in the pond was approximately 2 feet below the spillway. There was no apparent inflow to the pond at the time of my inspection. This pond was the subject of Notice of Violation N85-4-1-4 #1 of 4, because the operator had failed to construct it in accordance with their approved mine plan. Plans for abatement of the violation were received by the Division on January 24, 1985 and the violation was terminated on January 25, 1985. At this time the Division technical staff is completing their review of the revised plans.

Notice of Violation N85-4-4-2, #2 of 2

Disturbed area runoff from the #2 Canyon storage area was flowing down onto the bridge just west of the material foreman's office. At that point the runoff was passing through the bridge and going into the undisturbed #2 Canyon ephemeral drainage. The amount of runoff going to the bridge was less than 3 gallons per minute and appeared to be heavily sediment laden. It is not possible to get a sample of the runoff.

It appeared to be a maintenance problem due to freezing, thawing, and frequent vehicle traffic through that area, infact the runoff was following a set of tire tracks onto the bridge. Mr. Pearce indicated that the runoff had been going to the Lower #2 Canyon Sediment Pond a couple of days prior to the violation. However, considering the fact that this area should have drainage controls which will prevent the 10 year, 24 hour event from going into the undisturbed #2 Canyon drainage it is highly unlikely that the sediment control measures were adequately maintained at the time Mr. Pearce indicated that the drainage was going to where it was suppose to.

Because the disturbed area drainage was not going to the sediment pond Notice of Violation N85-4-4-2, #2 of 2 was issued. It reads as follows:

Nature of the Violation

Failure to pass all surface drainage from the disturbed area through a sediment pond before leaving the permit area.
Failure to maintain sediment control measures in order to prevent additional contributions of sediment to stream flow or runoff outside the permit area.

Provisions of Regulations, Act or Permit Violated

UMC 817.42 (a) (1)
UMC 817.45

Portion of the Operation to Which Notice Applies

#2 Canyon Bridge

Remedial Action Required

Maintain the area so that disturbed area runoff bypasses the bridge and goes to the Lower #2 Canyon Sediment Pond as designed.

Time for Abatement

February 22, 1985

At the time of my inspection on February 21, 1985 I told Mr. Pearce that they were going to get a Notice of Violation for the area and that I would return the next day February 22, 1985 in order to terminate the violation.

On February 22, 1985 I returned to the mine and issued the violation to Mr. Pearce. When we inspected the area of the bridge to see what had been done to abate the violation, we found that the operator had made a very shallow, narrow ditch (approximately 2 X 12 inches) on the south side of the bridge to convey disturbed area runoff past the bridge. I told Mr. Pearce that it was inadequate and that he is to maintain the area design.

Upon returning to the Division offices and reviewing the approved plans for the Lower #2 Canyon Sediment Pond, I found that Plate III-10, drawing D4-0088 shows a culvert passing the disturbed area runoff under the #2 Canyon road at that point.

Notice of Violation N85-4-4-2, #1 of 2

Runoff from the parking lot, shop, change house, office/warehouse, and training building area was all draining to the west toward the retaining wall between the facilities area and the #1 Mine train

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tracks. At that point the water was passing through the joints in the retaining wall and down to the east side of the mine train tracks.

A large portion of the parking lot drainage was coming through the retaining wall near the northwest corner of the training building, then traveling north along the retaining wall and going under the mine train bridge into Grassy Trail Creek. This runoff was not being treated in any manner and a sample was taken for analysis by State Health Laboratories. The flow at the time of my inspection was less than 5 gallons per minute.

Some runoff from the training building, change house, and office/warehouse was coming through the retaining wall at several points on the west side of the training building. Runoff was then flowing along the retaining wall to a point approximately midway along the training building, where it was draining under a metal plate which is covering a portion of the retaining walls foundation. Where the runoff was going once it went under the metal plate is unknown. I walked over to the stream bank above Grassy Trail Creek which is approximately 100 feet to the west, and could not see any discharge along the stream bank from this area.

A small portion of the runoff from between the north end of the shop and the change house was draining into a drain in the bottom of the underpass/walkway to the mine train tracks. Where the runoff was going to from that point was unknown.

I asked Mr. Pearce what their mine plan called for as far as sediment controls for this area. He told me that this area was suppose to drain down to the surface facilities pond which is to be constructed in the future. I told Mr. Pearce to place several loose straw filter dikes on the south side of the mine train bridge and on either side of the metal plate which covers the retaining wall's foundation that day.

When I was standing above the stream looking for discharge from the runoff that was going under the metal plate, I noticed a 24 inch culvert outlet just upstream of the railroad bridge. I asked Mr. Pearce what it was for, he said it was blocked off during the last time they asphalted the surface facilities area. That day after I dropped Mr. Pearce off I went over to the other side of the steam once again to see if I could see any discharge of the runoff going under the metal plate. At that time I happened to notice the culvert discharging, the amount of discharge was a little less than 2 gallons per minute. Looking at the alignment of the culvert it appeared that it was aligned with the drain in the underpass/walkway to the mine train tracks.

Because the disturbed area runoff was not going to a sediment pond or treatment facility before leaving the permit area Notice of

Violation N85-4-4-2, #1 of 2 was issued on February 22, 1985. It reads as follows:

Nature of the Violation

Failure to pass all surface drainage from the disturbed area through a sediment pond or treatment facility before leaving the permit area.

Failure to design and construct sediment control measures to prevent additional contributions of sediment to stream flow or to runoff outside the permit area.

Provisions of the Regulations, Act or Permit Violated

UMC 817.42 (a)(1)
UMC 817.45

Portion of the Operation to Which Notice Applies

Runoff from the parking lot, office/warehouse, bathhouse, shop area going down to the #1 Mine tracks and from there into Grassy Trail Creek.

Remedial Action Required

- A. Install loose strawfilter dikes along the tracks to treat the runoff.
- B. Submit drainage control plans to the Division for this area.

Time for Abatement

- A. February 22, 1985
- B. March 8, 1985

On February 22, 1985 when I returned to the mine site I found that the operator had broken up some straw bales and placed them in the drainage path for the runoff going under the #1 Mine train bridge. This is not very effective because runoff could have bypassed the straw in the drainage path. I told Mr. Pearce to install loose straw dikes perpendicular to the tracks from the tracks to the retaining wall at both the mine train bridge and metal plate.

I asked Mr. Pearce about the 24 inch culvert outlet and told him what I had seen the day before, he said that he was not sure where the runoff was coming from.

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I told Mr. Pearce that in order to abate the violation that their plans had to address at a minimum:

1. The drain in the bottom of the underpass/walkway.
2. Runoff going under the metal plate.
3. The culvert outlet upstream of the railroad bridge.
4. The runoff going to the mine train bridge

re

cc: Doug Pearce, Kaiser Steel Corporation
Scott Johnson, Kaiser Steel Corporation
Donna Griffin, OSM
Joe Helfrich, DOGM

Statistics: See Soldier Creek Coal Company, Soldier Canyon Mine
memo dated March 12, 1985

0166Q-4-8