

0014



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

15 October 1982

File ACT/007/007
Copy to Steve
Tom M., Dave D.
JIM
Joe
Jean
OCT 18 1982

Mr. Ronald Daniels
DIV. OF OIL, GAS & MINING
4241 State Office Bldg.
Salt Lake City, Utah, 84114

re: Stream Fording
Small Area Exemption
Sunnyside Mines
ACT/007/007

Dear Ron,

Kaiser Steel Corp. hereby applies for a temporary permit to ford Grassy Trail Creek at a point in the NW $\frac{1}{4}$ of Section 20, T14S, R14E, SLB&M, as shown on the attached maps, for the purpose of constructing a mine water discharge pond and sediment pond at the Manshaft area.

The route is via an existing access roadway and stream crossing used by cattlemen and sheepmen for more than 30 years. It is proposed to install 8"x8" railroad ties in and thru the stream bed to protect the environment from the heavy equipment travel. The equipment using the crossing: one D-9 Cat; one front-end loader; one backhoe; one dump truck; one flat-bed truck; and pick-up truck travel. It is requested that this permit be for a 30-day construction period.

Kaiser Steel Corp. requests a Small-Area Exemption for the Manshaft area since the exposed disturbed area is less than two (2) acres, and an asphalt parking lot exists that contributes no sediment, in fact reduces the area sediment load.

Acreages:	Twinshaft fan pad..	0.42	acres
	Manshaft	+2.09	acres ✓
		<u>2.51</u>	acres
	Asphalt parking....	<u>-0.84</u>	acres
	total		1.67 acres disturbed.

Besides the relative smallness of the area, an active reclamation & revegetation program is and has been in effect over the past 3 years which also warrant this consideration.

Your immediate approval is requested on these two items.

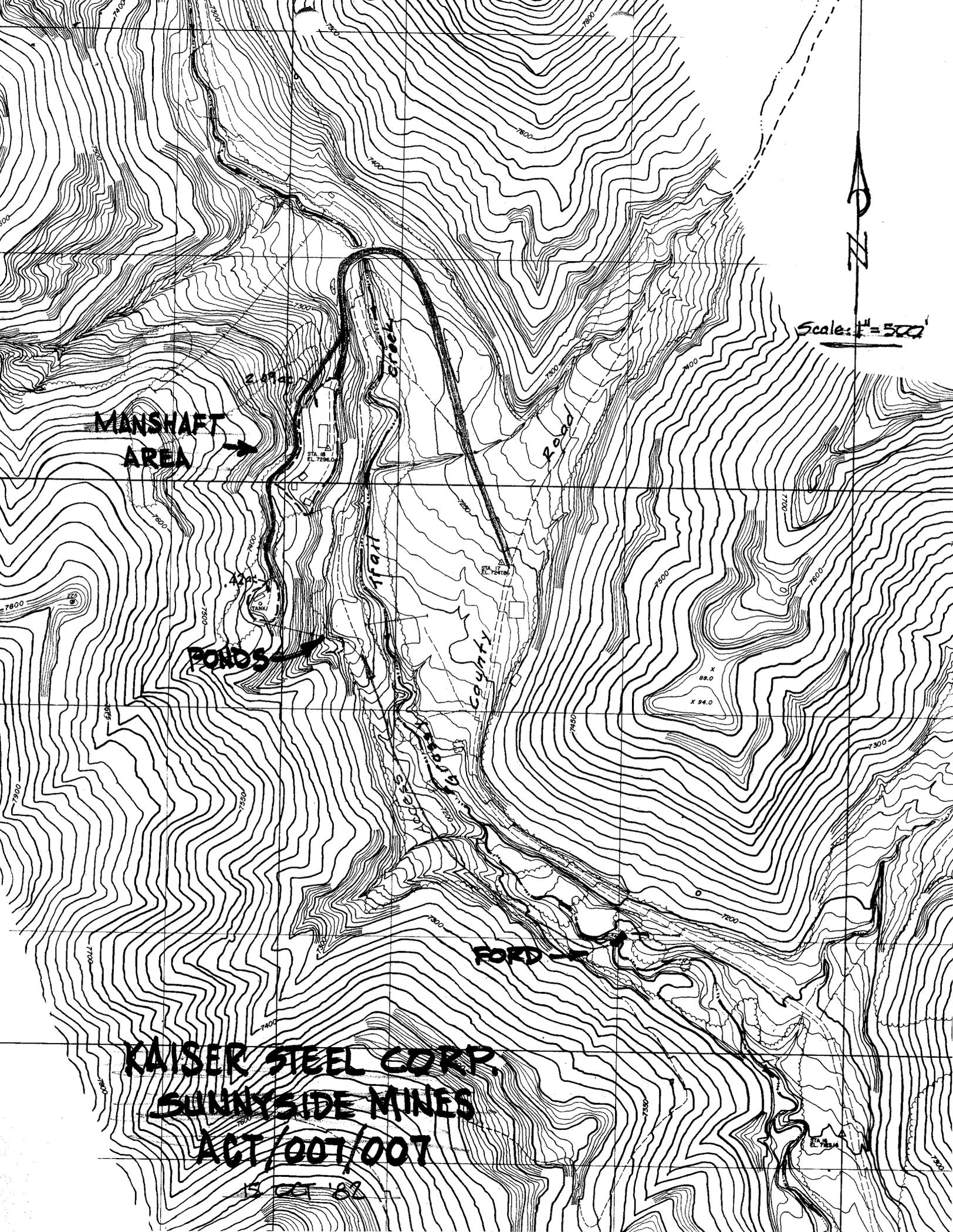
RECEIVED

OCT 18 1982

Sincerely,

John S. Huefner, PE
Civil Engineer

Attachments
DIVISION OF
OIL, GAS & MINING



Scale: 1" = 500'



MANSHAFT AREA →

POND →

FORD →

Trail Creek

Road

County

**KAISER STEEL CORP.
SUNNYSIDE MINES
ACT/007/007**

15 OCT '82

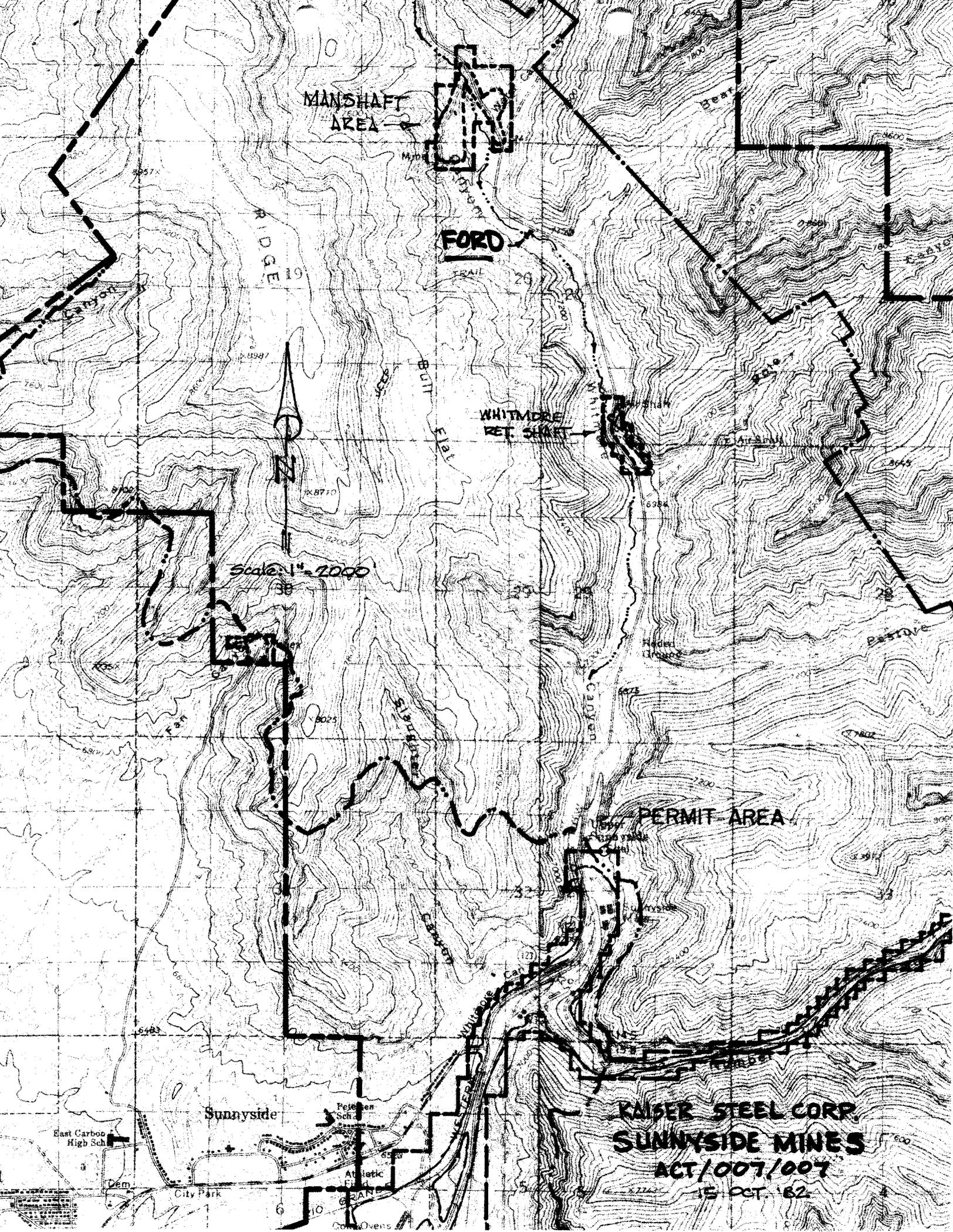
STA. 18
EL. 7286.0

STA. 19
EL. 7247.0

X 88.0

X 94.0

STA. 20
EL. 7254.0



MANSHAFT
AREA

FORD

WHITMORE
RET. SHAFT

PERMIT AREA

Scale: 1" = 2000'



KAISER STEEL CORP.
SUNNYSIDE MINES

ACT/007/007

15 OCT '62

Sunnyside

East Carbon
High Sch

City Park

Petersen
Sch

Athletic
Field

Coal Ovens

Dem.

COPY TO Tom M.



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

RECEIVED
OCT 08 1982

7 October 1982

DIVISION OF
OIL, GAS & MINING

Mr. Thomas Munson
DIV. OF OIL, GAS & MINING
4241 State Office Bldg.
Salt Lake City, Utah, 84114

re: Manshaft Sed. Pond
Sunnyside Mines
ACT/007/007

Dear Tom,

In response to your letter of 10-4-82, visit of 10-6-82, and phone call of today; please find enclosed a 200' scale topo map of the Manshaft area with the separate areas, including acreages, delineated. Hopefully this will clarify a number of questions and resolve any problems.

In recalculating the combined CN factor, three (3) separate areas are considered to secure the weighted average for the AMC-II condition:

	area	acreage	%	CN	
1.	Undisturbed	25.76	83.3	76(h) & 55(1)	2399.1 / 30.93
2.	Disturbed	4.01	13.0	82	
3.	Asphalt/parking	1.16	3.7	97	77.56

Therefore $CN/II = 76 \times .833 + 82 \times .13 + 97 \times .037 = 78 = 55 + 82 + 97 / 3$; and converting to AMC-I yields $CN/I = 60$ as indicated on the calculation sheet submitted on 8-27-82, and consequently, all computations should remain as shown. Arguments for use of AMC-I were submitted by letter dated 2-13-80 (a copy is attached).

A one foot freeboard between the outflow and the spillway is provided as shown on the plan, sht 4.

The "Ford" details will be submitted for approval the first part of next week.

May we receive approval to construct both the Discharge Pond and the Sediment Pond at the Manshaft promptly, since the mine water will begin discharging about Oct. 20th, 1982.

Sincerely
John S. Huefner
John S. Huefner, PE.
Civil Engineer

Attachments & Enclosures

277

76
71



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

13 February 1980

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

Re: ACT/007/007
Icelander Sed. Ponds

ATTN: Mr. Ronald Daniels

Dear Ron,

Please find enclosed the plans and computation sheets on three proposed sedimentation ponds to catch the surface runoff from the coarse refuse pile and haul road berm out slopes which drain into Icelander Creek.

The ponds were designed using the AMC-I condition because:

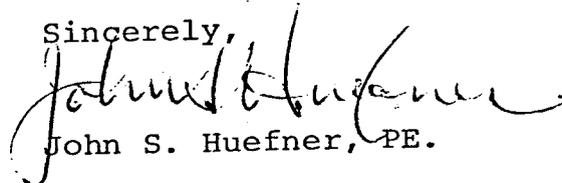
1. Ponds located in semi-arid region.
2. Area precipitation results of the 5-day rain from the Sunnyside Weather Station over the past 6 years averages 30% less than the AMC-I criteria.
3. The annual rainfall over the pond area is less than the \rightarrow 30" (AMC-I) allowed. The total annual rainfall over the past 6 years averages only 12" with a max. of 18".

We feel that the sediment loading as computed using the Soil Conservation Service (SCS) Universal Soil Loss Equation (USLE) produces unrealistic amounts for our area. Especially is this true of the south berm area. The calculations indicate that the pond will be half-full in two months. Kaiser will therefore monitor the pond continually all effluent leaving the pond(s) to assure that effluent standards are met and maintained.

The following is in response to your letter of 10-5-79:

1. detailed contour maps are on the individual computation sheets.
2. the collected sediment will be used as topsoil.
3. the ponds are sized to retain the runoff from a 10yr/24hr storm.
4. the spillways are designed using the 25yr/6hr storm.
5. NPDES permits will be applied for at these 3 sedimentation ponds.
6. Kaiser will only be using the auxiliary slurry pond as a sed. pond in emergencies. We are in the process of designing a number of small sedimentation ponds throughout the main complex area to handle the runoff. This information will be forthcoming.

Sincerely,


John S. Huefner, PE.

Enclosures

CC: Taylor

What are the AMC-I criteria?

AMC-I