

May 18, 1987

TO: Coal File

FROM: James R. Fricke, Reclamation Hydrologist *JRF*

RE: Annual Report Review For Kaiser Coal Corporation,
Sunnyside Mines, ACT/007,007, Folder #2 and 6, Carbon
County, Utah

The 1986 Annual Report for the Sunnyside Mines was reviewed and the following concerns need to be addressed by the operator.

1. Stipulation 817.160-.166 has not been completely processed. The operator applied for the BLM right-of-way clearance on the Water Canyon Road January 16, 1986. A response from the BLM was not apparent as of December 31, 1986.
2. The water quality data for 1986 has several deficiencies, see attached table.

djh
Attachment
cc: J. Whitehead
R. Smith
B. Malencik
0798R/16

STATION	PARAMETER	DATE OF MISSING DATA
001	Manganese	3/86-5/86, 7/86-9/86 11/86
	Oil & Grease	1/86, 11/86
	Cation-Anion balance	11/86
	TDS, TSS, Set. Solid	6/86, 11/86
	Iron	11/86
002	Manganese	3/86-7/86, 9/86
	Cation-Anion Balance	12/86
	TSS	9/86
004	Manganese	7/86-9/86
005	Flow	9/86-10/86
	pH	9/86
	Chloride	9/86
	Potassium	9/86
	Cation/Anion Balance	9/86
	Set. Solid	9/86
015	Cation/Anion balance	12/86
WC-1	Total Hardness as CaCO ₃	1/86-12/86
	Dissolved Oxygen	1/86-12/86
	Manganese	3/86-5/86 7/86-9/86
	Oil & Grease	6/86, 10/86
	Cation/Anion Balance	11/86
	TSS, Set. Solid	6/86, Set. Solid 9/86

STATION	PARAMETER	DATE OF MISSING DATA
BC-1	Total Hardness as CaCO ₃	1/86 - 12/86
	Manganese	4/86 - 6/86
	Dissolved Oxygen	1/86 - 12/86
N 2C-1	Dissolved Oxygen Total Hardness as CaCO ₃	1/86 - 12/86
	Manganese Oil & Grease	5/86, 9/86 6/86
	TSS Set, Solid	6/86 6/86
CRB-1	Dissolved Oxygen, Total Hardness	1/86 - 12/86
	Manganese	5/86, 8/86
	pH, Temp., Conductivity	6/86
	Flow	12/86
	Cation/Anion Balance	11/86
ICE-1	Dissolved Oxygen, Total Hardness	1/86 - 12/86
	Field Measurements	1/86, 6/86, 12/86
	Manganese	5/86, 8/86
	Cation/Anion Balance	11/86

STATION	PARAMETER	DATE OF MISSING DATA
GT-1 GT-2	Dissolved Oxygen, Total Hardness	1/86 - 12/86
	Field Measurements	1/86, 6/86, 12/86
	Manganese	5/86, 8/86
	Cation/Anion Balance	11/86
GT-3	Dissolved Oxygen, Total Hardness	1/86 - 12/86
	Field Measurements	1/86, 6/86, 12/86
	Manganese	5/86, 8/86
	Cation/Anion Balance	11/86
	Chloride	2/86, 8/86
GT-4	Dissolved Oxygen, Total Hardness	1/86 - 12/86
	Field Measurements	1/86, 6/86, 12/86
	Manganese	5/86, 8/86
	Cation/Anion Balance	11/86
WR-1, WR-2	Aluminum Arsenic, Barium	6/86, 10/86
	Cation/Anion Balance	6/86, 10/86
	Boron, Cadmium, Sulfide	6/86, 10/86
	Chromium, Copper, Fluoride	6/86, 10/86
	Phosphate	
	Lead, Selenium	6/86, 10/86
	Mercury, Molybdenum,	6/86, 10/86
	Nickel, Nitrate, Nitrate	
	Ammonia, Zinc	6/86

STATION	PARAMETER	DATE OF MISSING DATA
	Aluminum, Arsenic, Boron Cadmium, Barium, Chromium, Copper, Fluoride, Lead, Mercury, Molybdenum, Nickel Ammonia, Nitrate, Nitrate, Phosphate, Selenium, Sulfide, Zinc	6/86
Drillholes 86-2 86-1	No Data Presented	

djh
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