



State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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May 3, 1989

TO: Richard V. Smith, Acting Permit Supervisor  
FROM: Darin Worden, Reclamation Hydrologist *DW*  
RE: Possible Groundwater Contamination, Kaiser Coal Corporation, Sunnyside Reclamation and Salvage, Sunnyside Mines, ACT/007/007, Folder #2 and #7, Carbon County, Utah

**Synopsis**

Sunnyside Mine's recent environmental degradation of Grassy Trail Creek has possibly had an effect on the ground water resources of the area. This memo reviews the possible impacts.

**Analysis**

During the April 27, 1989 Grassy Trail Creek inspection, flow measurements showed a loss of surface flow downstream in Grassy Trail Creek. Refer to Table 1.

Table 1

<u>*Location</u>	<u>**Flow (cfs)</u>
Above 002	3
Below 002	7
Permit Boundary	4.5

\* Station locations are in sequence from upstream to downstream.

\*\* Data taken on April 27, 1989.

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No surface water diversions are made from Grassy Trail Creek downstream of 002 discharge. 2.5 cfs are lost in approximately two miles of stream. This water must be lost to groundwater. Recent and historical stream contamination could have impacted the groundwater resources of the area.

Recommendation

More data collection and study is needed. Notify State Health Department, Division of Pollution Control, of this potential problem.

djh  
AT30/26-27