



STATE OF UTAH  
DEPARTMENT OF HEALTH

NORMAN H. BANGERTER, GOVERNOR

SUZANNE DANDROY, M.D., M.P.H., EXECUTIVE DIRECTOR

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June 24, 1986  
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**RECEIVED**  
JUL 02 1986

**DIVISION OF  
OIL, GAS & MINING**

Mr. Richard H. Allison, Jr., P. E.  
Project Engineer  
Castle Gate Coal Company  
P. O. Box 449  
Helper, Utah 84526

Re: Castle Gate Coal Company  
Sewer Improvements  
Helper, Utah

Dear Mr. Allison:

We have reviewed construction plans and specifications for improvements to sewage collection facilities within the mine site as submitted to the Division of Environmental Health on June 6, 1986.

We offer the following comments on the plans and specifications:

1. Curvilinear sewers are allowed only under circumstances where conventional sewer construction is not possible. The need for curvilinear sewers must be demonstrated.
2. An additional manhole should be provided between stations 0+00 and 5+00. The maximum allowable spacing between manholes on sewers is 400 feet.
3. The invert elevation at manhole station 13+00 should be 6629.3 instead of 6624.3.
4. Adequate measures for assurance of proper sewer installation should be included in the specifications. This should include a sewerline and manhole testing procedure to insure a tight system.
5. The specifications should describe more thoroughly trench backfill requirements, particularly around the sewer pipe. Backfill must not contain rocks which could damage the pipe.

The proposed improvements to the sewage collection system are designed to serve sanitary facilities for a maximum of 250 persons per day working in three shifts.

KENNETH L. ALKEMA, DIRECTOR • DIVISION OF ENVIRONMENTAL HEALTH

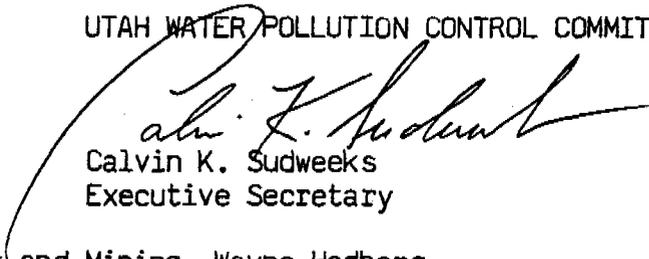
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Mr. Richard H. Allison

Facilities for disposal of wastewater from this operation have not been approved. We are awaiting your final decision on wastewater disposal alternatives. A construction permit for the sewer collection system will not be issued until the method of wastewater disposal has been selected and approved. The Bureau of Public Water Supplies should be contacted for their permitting requirements on the proposed water system.

We will continue our review of the proposed sewer collection system for Castle Gate Coal when all of the above comments have been addressed. If there are any questions, please contact either Dave Ariotti or Bryon Elwell of our staff.

Sincerely,

UTAH WATER POLLUTION CONTROL COMMITTEE



Calvin K. Sudweeks  
Executive Secretary

cc: Division of Oil, Gas and Mining, Wayne Hedberg  
Southeastern District Engineer, Dave Ariotti  
Bureau of Public Water Supplies

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