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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 23, 1985

Mr. Louis Meschede, Hydrologist
Consolidated Coal Company
Western Region
2 Inverness Drive East
Englewood, Colorado 80112

Dear Mr. Meschede:

Re: Surface and Ground Water Monitoring Modification, Emery Deep Mine, ACT/015/015, #3, #4, #7 and #9, Emery County, Utah

The Division has reviewed Consol's proposal to modify the surface and ground water monitoring schedules for the Emery Deep Mine site and adjacent areas.

Monitoring data and information submitted in the Permit Application Package and subsequent monitoring reports indicate that Consol has submitted sufficient information to define baseline surface and ground water conditions.

Considering these facts, the Division hereby grants approval to modify the existing hydrologic monitoring plan according to the following schedules.

Surface Water

Frequency monitoring at surface water sites 1, 2, 3, 4, 5, 8, 9 and 10 may be modified such that flow measurements and water quality samples need be taken four (4) times per year. Monitoring should be done to reflect the seasonal flow hydrographs. Flow measurements, accompanied by water quality samples for the listed surface water sites, should be taken in late May or early June, mid to late July, late September or early October and again in December or January.

Monitoring of sedimentation ponds (sites 6, 7 and 11) shall continue to reflect the requirements of the NPDES permit.

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Groundwater

Spring and well sampling sites should be monitored according to the modified quarterly schedule for flow. Water quality samples at these sites need only to be monitored biannually during the May-June and September-October periods.

Surface and ground water sites which prove to be inaccessible or frozen during December-January sampling may be waived if sufficient documentation is provided to the Division that measurements could not be taken.

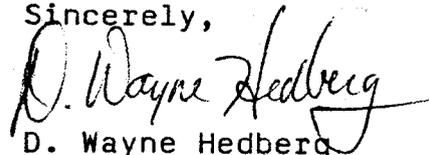
Refuse Disposal Area

Consol's proposal to reduce the frequency of six alluvial monitoring wells at the coal refuse disposal area is approved in accordance with the applicant's proposal received May 7, 1984. The new monitoring schedule will consist of measuring water levels, pH, TDS, Na, SO₄, and dissolved Fe and Mn on a quarterly basis. A complete chemical analysis as presently taken, shall be submitted annually.

Presently, the Division is revising its surface and groundwater monitoring guidelines. The intent is to standardize the minimum hydrologic monitoring requirements for all coal operations. When these guidelines are complete, a more in-depth study can be made of Consol's monitoring information to determine if further revisions to the monitoring changes program may be required.

Thank you for your patience and cooperation in this matter. If we can be of further assistance, please contact us anytime.

Sincerely,



D. Wayne Hedberg
Permit Supervisor/
Reclamation Hydrologist

DD:jvb

cc: A. Klein
L. Hamm
S. McNeal
D. Darby
J. Helfrich
B. Kale
S. Linner

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