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Governor

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GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director



OIL, GAS, AND MINING BOARD

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

May 8, 1979

*Route
file*

Mr. Don A. Stephens
Resident Geologist
American Electric Power
P.O. Box 629
Helper, Utah 84526

Re: Water Monitoring Well
Sec. 33, T. 12S., R. 9E.
Carbon County, Utah
Federal Lease SL-029093,
SL-046653
ACT/007/004

Dear Mr. Stephens:

The Division hereby issues approval to the above-mentioned water monitoring well with the following stipulations:

1. The Office of the Area Mining Supervisor, U.S. Geological Survey, is given the usual information obtained through the coal zone, and the core above the coal bed is made available to them for inspection to obtain information on roof conditions.
2. All coal seams are to be cemented off.
3. The BLM's seed mixture is utilized as specified.
4. The hole is used for a permanent water monitoring well.
5. The Division is notified prior to hole completion.
6. Additional stipulations required by the U.S. Office of Surface Mining are followed.

Thank you for your continuing cooperation.

Sincerely,

K. Michael Thompson

K. MICHAEL THOMPSON
ENGINEERING GEOLOGIST

KMT/sp

cc: John Hardaway, O.S.M., Region V
Jackson W. Moffitt, U.S.G.S.
Leon E. Berggren, B.L.M.

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May 8, 1979

Mr. John Hardaway
Office of Surface Mining
Room 270, Post Office Bldg.
1823 Stout Street
Denver, Colorado 80202

Re: American Electric Power
Water Monitoring Well
Sec. 33, T. 12S., R. 9E.
Carbon County, Utah
Federal Lease SL-029093-
046653
ACT/007/004

Dear John:

Enclosed are comments the Division has received concerning the above-mentioned well. Also enclosed is a copy of our approval.

I understand that your comments were mailed May 4, 1979. Thank you for your quick reply.

Sincerely,

K. Michael Thompson

K. MICHAEL THOMPSON
ENGINEERING GEOLOGIST

KMT/sp
enc.

AMERICAN ELECTRIC POWER Service Corporation



P. O. Box 629
Helper, Utah 84526
Phone (801) 472-3481



May 2, 1979

Mr. K. Michael Thompson
State of Utah
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Dear Mr. Thompson:

In answer to your request for the seed mixture that is used by AEP in reclamation, I am sending to you the letter of instruction sent to us by the Price BLM Office. We follow these instructions as closely as possible in reclamation on federal land. The seed mixture is made up for the particular conditions in our area.

If you have any questions on this subject, please call me.

Very truly yours,

AMERICAN ELECTRIC POWER
SERVICE CORPORATION

Don A. Stephens
Resident Geologist

DAS:jp

Attachment

cc: L. E. McCloskey



United States Department of the Interior

IN REPLY REFER TO

3500
(U-601)

BUREAU OF LAND MANAGEMENT
Moab District
Price River Resource Area
P. O. Drawer AB
Price, Utah 84501

May 4, 1978

Mr. Don Stevens
American Electric Power Service Corp
68 South Main
Helper, Utah 84526

Dear Mr. Stevens:

We have reviewed the seeding mixture we sent you, and have decided to delete a few of the shrubs and grasses from the original mixture, and to lower the seeding rate.

This seeding mixture has been established on the basis of pure live seed. On each seed bag you will find labels denoting percent germination as well as purity. To get the amount of pure live seed, multiply percent germination by percent purity, and divide by 100. Calculate the amount of pure live seed for each species and adjust the number of bulk pounds so that you get a 100 percent figure of pure live seed.

Seeding should be done with a rangeland drill or a drill of similar heavy construction. Where it's not possible to drill, seed should be broadcast at a rate double the drilled. Seed should be covered with the use of an anchor chain, pipe harrow or other suitable equipment. Seeding should take place from October through November, before the ground freezes. If you have any further questions please feel free to call.

Sincerely yours,

Leon E. Berggren
Area Manager

Encl
Seeding Mixture



Save Energy and You Serve America!

SEEDING MIXTURE FOR AMERICAN ELECTRIC CORP.

<u>Common Name</u>	<u>Botanical Name</u>	<u>Rate of Pure Live Seed (pounds-per-acre)</u>
Fairway Crested Wheatgrass	Agropyron cristatum	1½
Intermediate Wheatgrass	Agropyron intermedium	1½
Russian Wildrye	Elymus junceus	1
Ladak Alfalfa	Medicago sativa	1
Bitterbrush	Purshia tridenta	2
Stansbury Cliffrose	Cowania mexicana stansburiana	1
Curleaf Mt. Mahogany	Cecocarpus ledifolius ledifolius	½
Binchleaf Mt. Mahogany	Cecocarpus montanus montanus	½
		<hr/> 9 Total



United States Department of the Interior SL-029093-046653

GEOLOGICAL SURVEY

Office of the Area Mining Supervisor
 Conservation Division
 8426 Federal Building
 125 South State Street
 Salt Lake City, Utah 84138

April 23, 1979



Mr. Michael Thompson
 Engineering Geologists
 State of Utah
 Division of Oil, Gas, and Mining
 1588 West North Temple
 Salt Lake City, Utah 84116

Dear Mr. Thompson:

We have reviewed the proposed plan for drilling a water monitoring well in connection with the plans for the air shafts for the Braztah No. 3 mine.

We have no objections to the proposed plan if the usual information is obtained through the coal zone and the coal seams are cemented off when the hole is abandoned.

We would like to inspect core of the rock above the coal beds to obtain information on roof conditions.

Sincerely yours,

Jackson W. Moffitt
 Jackson W. Moffitt
 Area Mining Supervisor



F. Act/007/004



United States Department of the Interior

IN REPLY REFER TO

BUREAU OF LAND MANAGEMENT
Moab District
Price River Resource Area
P. O. Drawer AB
Price, Utah 84501

3500
SL-029093
SL-046653
(U-601)

April 24, 1979

Mr. K. Michael Thompson
Engineering Geologist, State of Utah
Division of Oil, Gas, & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Dear Mr. Thompson:

We have no objection to American Electric Power drilling a water monitoring well on Federal lands located in NE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 33, T. 12 S., R. 9 E., SLM.

We have been in contact with A.E.P. in regard to their proposed expansion program and made an onsite inspection of this site on April 10.

If you need any additional information, please feel free to call.

Sincerely yours,

Area Manager



Save Energy and You Serve America!