

#3664
OK

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

November 22, 2010

TO: Internal File

THRU: Jim Smith, Permit Supervisor *JS 29 Nov 2010*

FROM: Steve Christensen, Environmental Scientist *SCC*

RE: Change to Page 7-47, Genwal Resources, Inc., Crandall Canyon Mine, C/015/0032 and Task ID #3664

SUMMARY:

The Division of Oil, Gas and Mining (the Division) received an amendment from Genwal Resources, Inc., (the Permittee) to revise page 7-47 in Chapter 7 of the approved Mining and Reclamation Plan (MRP) of the Crandall Canyon Mine.

The amendment proposes to revise language relative to the iron concentrations of the mine-water discharge as well as establish a time frame for revising the MRP to assure that the mine-water discharge meets Utah Pollutant Discharge Elimination System.

The amendment does not meet the requirements of the State of Utah R645-Coal Mining Rules and should not be approved at this time. The following deficiency must be addressed prior to Division approval:

R645-301-120, -130, -150, -728: The Permittee must provide technical data and/or a scientific justification for the proposed changes to the approved MRP relative to the iron concentrations in the mine water discharge and revise the probable hydrologic consequences determination.

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TECHNICAL ANALYSIS:

GENERAL CONTENTS

PERMIT APPLICATION FORMAT AND CONTENTS

Regulatory Reference: 30 CFR 777.11; R645-301-120.

Analysis:

The amendment does not meet the Permit Application Format and Contents requirements of the State of Utah R645-Coal Mining Rules.

The amendment proposes to revise language contained on page 7-47 in Chapter 7 of the approved MRP. The amendment states, "*Iron levels now appear to have stabilized based on recent sampling.*" The amendment also deletes the previously approved statement "*It is now the consensus that the elevated iron concentration will be a permanent situation, and that the reclamation plan must provide for a permanent means of treating the discharge water so as to meet UPDES requirements, even subsequent to final reclamation*". Additionally, the amendment proposes to address final reclamation of the site at the time of permit renewal.

The amendment does not provide technical data and/or a scientific justification for the proposed changes to the approved MRP relative to the iron concentrations in the mine water discharge. Furthermore, the proposed commitment to revise the reclamation plan "*at the time of permit renewal, as necessary to assure that the discharge water meets UPDES standards*" was previously submitted to and rejected by the Division (March 2010).

Findings:

R645-301-120, -130, -150: The Permittee must provide technical data and/or a scientific justification for the proposed changes to the approved MRP relative to the iron concentrations in the mine water discharge.

ENVIRONMENTAL RESOURCE INFORMATION

Regulatory Reference: Pub. L 95-87 Sections 507(b), 508(a), and 516(b); 30 CFR 783., et. al.

HYDROLOGIC RESOURCE INFORMATION

Regulatory Reference: 30 CFR Sec. 701.5, 784.14; R645-100-200, -301-724.

Analysis:

Probable Hydrologic Consequences Determination

The application does not meet the Probable Hydrologic Consequences Determination as required by the State of Utah R645-Coal Mining Rules.

The Permittee proposes to revise language in the approved MRP relative to the iron concentrations in the mine-water discharge. In order to do so, the Division must be provided with technical data and/or a scientific justification for such a revision.

Findings:

The application does not meet the Probable Hydrologic Consequences Determination as required by the State of Utah R645-Coal Mining Rules.

R645-301-728: The Permittee must provide technical data and/or a scientific justification for the proposed changes to the approved MRP relative to the iron concentrations in the mine water discharge.