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# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

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Division Director

Outgoing

C0070041

# 3309

Q

July 27, 2009

Dave Shaver, Environmental Manager  
West Ridge Resources Inc.  
P.O. Box 910  
East Carbon, Utah 84520-0910

Subject: Catchment Structures, Task ID #3309, West Ridge Resources Inc, West Ridge Mine, C/007/0041

Dear Mr. Shaver :

The Division has reviewed your application to include the catchment structures in the permit area. The Division has determined that there are some deficiencies that must be addressed before a determination can be made that the requirements of the R645 Coal Mining Rules have been met, and an approval can be granted. Those deficiencies are listed as an attachment to this letter.

Each deficiency identifies its author by that author's initials in parentheses, such that your staff can directly communicate with that individual should any questions arise relative to the preparation of West Ridge Resource's response to that particular deficiency.

The plans as submitted are denied. Please resubmit the entire application. If you have any questions, please feel free to contact me at 801-538-5262 or Ingrid Wieser at 801-538-5318.

Sincerely,

James D. Smith  
Permit Supervisor

JDS/IW/sqs  
Attachment  
O:\007041.WR\FINAL\WG3309\DEFICIENCIES3309F.DOC



**Deficiency List**  
**Task No. 3309**  
**Catchment Structures**

The members of the review team include the following individuals:

Ingrid Wieser: 801-538-5318

Steve Christensen: 801-538-5350

Priscilla Burton: 438-613-3733

**R645-301-742.313**, Designs should be provided for the reclaimed channel bottom and banks, including profile and plan views and cross-sections. The channel reclamation designs should describe the bedding material and the D<sub>50</sub> size for the channel rock. The channel reclamation plan should describe embedding the channel rock into the regraded channel bottom. The channel reclamation plan should describe the use of bioengineering techniques, such as vortex weirs, drop structures, brush revetments and plant cuttings to provide stability. The following website is a good resource for streambank reclamation:

**<http://plant-materials.nrcs.usda.gov/idpmc/streambank.html>** (PWB)

**R645-301-121.200**, Table 1-3 records an increase of 41.02 acres for one of the four catchment sites. This should likely be 0.23 acres as stated in the narrative for each site. The total increase in acreage reported on page 1-6 and 1-10 of the application should be corrected accordingly. (PWB)