



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WILDLIFE RESOURCES

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January 4, 1996

Mr. Dave Darby, Reclamation Hydrologist
Division of Oil, Gas, and Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Genwal Mine Plan Modification-Longwall Mining, Crandall Canyon Mine,
Act/015/032-95F, Carbon County, Utah, Folders 2 and 5.

Dear Mr. Darby:

In our comment letter, dated August 22, 1995, to the above referenced mine plan, we stated that our Southeast Regional Office in Price would be measuring the flow of Crandall Creek during the fall of 1995. We requested that these measurements be referenced to decide at what location the stream becomes perennial.

From these fall measurements, we are requesting that the entire Crandall Creek stream bed of both the north and south forks, be classified as perennial. We also request that a stream buffer zone for the entire stream be included as a requirement of the permit. The measurements were completed in conjunction with the U.S. Forest Service and showed quantifiable evidence that the stream is perennial. A visual inspection by Ben Morris, Utah Division of Wildlife Resources (UDWR), and Jeff DeFrees, U.S. Forest Service (USFS), on October 5, revealed a minimum of one to two cubic feet per second flow in the north fork. This flow was observed approximately 1.5 miles west of the main forks. Genwal mine had submitted that perennial flow ends within 100 yards above the fork. Jill Dufour, fisheries biologist, USFS, also toured the same area of the creek with Randy Gaynor, Genwal Mine and Dale Harber, USFS, the first part of September and found essentially the same situation regarding water flow.

During the inspection UDWR used the following criteria to define Crandall Creek as perennial:

- Water flow is present year round except during prolonged droughts.
- Hydric species were present on the greenline.

