



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

Coal

Michael O. Leavitt
Governor

Robert L. Morgan
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State Engineer

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August 18, 2004

MAYOR DALE ANDREWS
EAST CARBON CITY
100 WEST GENEVA ROAD
P.O. BOX 70
EAST CARBON CITY, UT 84520

J. Leavitt
8/18/04

Re: GRASSY TRAIL/UT00126 ✓

A field inspection of the above-referenced dam was completed on August 2, 2004, with the following in attendance:

NAME

Mickey Dickson
Mike Marquez
Daren Robison
Casey Ford
Jim Wells

REPRESENTING

East Carbon City
Sunnyside City
Jones & DeMille Engineering
Division of Water Rights/Price
Division of Water Rights/Dam Safety

Based on our visual observation of the dam and appurtenant facilities, we have observed some items which need attention to ensure the satisfactory long-term operation of the facilities:

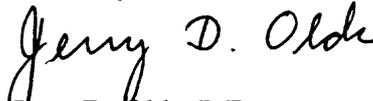
1. This office has yet to receive a copy of the Minimum Standards' Review prepared by RB&G Engineering. The information contained in this report is critical to determining future action on the dam.
2. Please provide this office with copies of the reports being prepared that consider the proposed mining impacts on the dam.
3. A chief concern of this office regarding the proposed mining is that slopes with demonstrated stability problems will be subjected to further disruption through mine subsidence. This aspect will need to be specifically addressed in one of the forthcoming reports.
4. This office appreciates your efforts at spraying undesirable vegetation on the dam. Please continue these control efforts through cutting and painting the stumps of the gooseberry with herbicide on the upstream slope.
5. Dead vegetation should be burned or removed from the dam.
6. The seepage flows from the left groin are bypassing the pipe used for measurements. Please seal these leaks to assure accurate readings. Installing a V-notch weir may be a better method of measurement.
7. The concrete on the outfall tunnel wing walls is seriously deteriorating and spalling, exposing the rebar to corrosion. Redirecting or piping the seepage above these walls, away from the wall, would relieve this problem. Sometime in the future damaged concrete will require repair.

Page 2
UT00126
August 18, 2004

8. The outlet tunnel apron is undercut. This will require repair, preferably prior to any sustained flows. A hole eroded in the vertical portion of the spillway conduit should be patched.
9. The top hinged doors on the tunnel should be repaired/replaced to prevent unauthorized entry. This could be done when the metal catwalk is installed.
10. Reestablishing monuments on the dam to detect any movement should be included as part of forthcoming surveys.
11. A copy of the text of Oil, Gas & Mining's report on proposed mining is attached.

Your cooperation is appreciated. If you have any questions, please feel free to contact Jim Wells at (801) 538-7374.

Sincerely,


Jerry D. Olds, P.E.
State Engineer

JDO/jm

Enclosure

pc: Mark Page - Water Rights Regional Engineer
Director - Carbon County Emergency Services
Polly Sanderson
Mayor Bruce Andrews - Sunnyside City
Mary Ann Wright - DOGM