

**From:** SERENA MANKILLER <smankill@flagmail.wr.usgs.gov>  
**To:** <wescoat@spot.colorado.edu>, <JJacobs@nas.edu>  
**Date:** Wed, Apr 14, 1999 4:15 PM  
**Subject:** FYI - Draft AMP Guiding Document

I have forwarded the following information to the TWG official members and GCMRC management staff today. I did not forward it to the TWG courtesy copy list, because I think the TWG needs to work with it first:

>Scott Loveless forwarded the Draft "Glen Canyon Dam Adaptive Management Program AMWG FACA Committee Guidance" document for distribution to the TWG. This topic is on the April 21, 1999, TWG agenda, so please review it prior to the meeting.

I have attached an Adobe Acrobat/.pdf format copy to this e-mail. The document has also been posted on the AMWG/TWG web site in .html and WordPerfect formats for your convenience.

The document will be faxed to those members without e-mail.

**CC:** <slloyd@uc.usbr.gov>



# United States Department of the Interior

BUREAU OF RECLAMATION

Upper Colorado Regional Office  
125 South State Street, Room 6107  
Salt Lake City, Utah 84138-1102

IN REPLY REFER TO:

UC-140  
ENV-1.10

APR 9 1999

## MEMORANDUM

To: Adaptive Management Work Group

From: Charles A. Calhoun  
Regional Director

Subject: Transmittal of the Scientific Panel Review of the Glen Canyon Dam Modifications to Control Downstream Temperatures Plan and Draft Environmental Assessment

Attached is a copy of the report of the scientific panel that the Bureau of Reclamation convened to review the draft Environmental Assessment (EA) of the proposed Glen Canyon Dam modifications for the purposes of controlling the downstream temperatures.

In providing the report to you, I also want to share several pertinent information items and an overview of the next steps which, as it now appears, will likely lead to either a Finding of No Significant Impact (FONSI) or the selection of the No Action alternative in the EA. The reason the likely decision choices are limited to two options is, if a FONSI is not possible, Reclamation would have no further reason to continue to study and analyze a project that may have significant negative impacts to downstream resources and would fail to meet our established objectives to remove jeopardy and recover endangered fish.

As you recall at the January 13, 1999, meeting of the Adaptive Management Work Group (AMWG) in Phoenix, four members of the AMWG requested that a peer review be conducted on the draft EA. That request led to a discussion in which other AMWG members stated their reservations about the appropriateness of a scientific peer review of a National Environmental Policy Act (NEPA) document. Significant concerns were expressed that NEPA documents are summary documents, intended to explain the likely impacts of various actions to the public. They are not, by nature, scientific treatises and do not contain anywhere near the same level of detail as a scientific document. The scientific data is referenced, but is contained in Reclamation's files.

However, because of the nature of the proposed action and to recognize the interests of the requesting members, a scientific review was initiated. As you will see in the cover letter sent to me from the Review Committee Chairperson, Mr. Gordon Mueller of the U.S. Geological Survey, the committee also struggled with the challenge of providing peer review to a NEPA document. The committee did undertake the task and has provided a report that includes a short summary document and specific individual comments from each member.

Reclamation is grateful to the review committee for their work. We understand, as they stated, that they did not have time to fully review all the supporting documentation. The committee did review the draft EA and has provided to Reclamation some excellent questions and comments for our consideration in development of the final EA.

The answers to many of their questions, we believe, are in our supporting data and files. Furthermore, we are treating the peer review as a comment for the record on the draft EA, just as we are receiving and considering the comments of AMWG members, special interest groups, and the general public. This will ensure that the committee's comments and concerns are fully displayed and answered in the final EA.

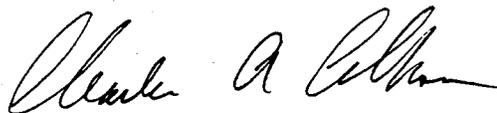
The committee unanimously supported Reclamation's proposed action to test temperature controls. They found that scientific evidence supported such a test. However, they also stated their concerns relative to the lack of data to support some conclusions as presented in the EA. This was especially the case concerning the lack of specific information related to a monitoring and testing program for eventual operation of the temperature control devices. As the EA indicated, Reclamation's original intent was to develop the monitoring and testing plans within the Adaptive Management Program concurrent to construction of the devices over the next three years.

Because of the importance the scientific review team placed upon monitoring and testing plans, and the fact that those plans are of an overarching relationship to most of the other comments provided by the team, Reclamation has requested that the Grand Canyon Monitoring and Research Center immediately begin developing the plans. The AMWG has already requested (January 1998) that the Center develop such a plan, so no additional action by the AMWG is necessary. The Center has been asked to develop a specific timetable and budget for completion of that task.

The monitoring and testing plans will be one of the primary subjects discussed at the upcoming AMWG river study trip through the Grand Canyon in May and will be a prime agenda topic at the July 20, 1999, AMWG meeting. The final EA will include monitoring and testing plans. Some specifics concerning details of the plans may be refined through the Adaptive Management Program, but the final EA will clearly display the nature of the testing and monitoring plans.

In conclusion, I believe it is important to continue to specifically focus on the subject of this EA. Reclamation is considering whether or not to modify Glen Canyon Dam to allow downstream river temperatures to be managed. As the EA states, it is believed by the U.S. Fish and Wildlife Service and Reclamation that year-round cold water releases from the dam are a constraint to native and endangered fish. The EA and the scientific peer review team recognized that there are other ecological interactions complicating the issue that cannot be conclusively resolved without physical testing.

Finally, I want to remind the AMWG that we have extended the comment period on the EA to April 30, 1999, to provide additional time to consider the attached peer review report and provide your input to us.



**From:** SERENA MANKILLER <smankill@flagmail.wr.usgs.gov>  
**To:** ibr4dm10.ibr4gwia("nrwres.rking@state.ut.us","spai...  
**Date:** Thu, Mar 25, 1999 10:15 PM  
**Subject:** TWG Meeting April 20-21, 1999

MEMORANDUM

GCMR-700  
ADM 10.00

**TO:** TWG OFFICIAL MEMBERS; COURTESY COPY LIST  
**FROM:** SERENA MANKILLER, GCMRC SECRETARY  
**SUBJ:** TECHNICAL WORK GROUP MEETING APRIL 20-21, 1999, PHOENIX, ARIZONA

An official meeting of the Technical Work Group will be held:

Tuesday, April 20, 1999, from 10 a.m. to 5 p.m.  
Wednesday, April 21, 1999, from 8 a.m. to 4 p.m.

The official notice was published in the Federal Register on March 4, 1999, and is attached for your information.

Reclamation has blocked 5 rooms for April 19 for the members who need lodging the night before the meeting. There are 20 blocked rooms for April 20.

Meeting Location:

Embassy Suites Hotel, Turquoise Room (3rd floor)  
1515 N. 44th St. (44th & McDowell Roads)  
Phoenix, Arizona 85008  
Phone: (602) 244-8800 Fax: (602) 244-8114  
-Please ask for the "Bureau of Reclamation" block of rooms when making your reservations

The agenda will be distributed when it becomes available.

**CC:** ibr4dm10.ibr4gwia("TGUNN@LeesFerry.com","LEESFERRY...)