

Central Files

OCT 15 1980

Mr. Guy R. Martin
Alternate to the Chairman
U.S. Water Resources Council
Suite 800
2120 L St., NW
Washington, D.C. 20037

Dear Mr. Martin:

On September 9, 1980, you requested that we identify the hydrologic engineering needs of this agency which could be addressed by the Hydrology Committee of the U.S. Water Resources Council. In addition, you asked for some expression of the support which this agency would be prepared to provide to the Hydrology Committee.

As you know, this agency has been an invited member of the Committee since June 1976. We have supported Work Groups within the Committee dealing with flood flow frequency from ungaged watersheds and the assessment of hurricane surge prediction models. Most recently, Mr. William S. Bivins of NRC served as Chairman of the Committee.

Much of the previous work of the Hydrology Committee is of direct benefit to the Nuclear Regulatory Commission. In addition to efforts mentioned above, beneficial material include the bulletin on flood flow frequency estimates from gaged watersheds and groundwater monitoring.

In addition to the guidelines mentioned above, we believe that the existence of the Hydrology Committee provides an excellent forum for the exchange of information among professional hydrologists. If it served no other purpose, this opportunity for exchange would provide adequate benefits for the support of the Committee. However, the Committee's productivity has far exceeded this basic expectation and we anticipate continued agency support at least at the level currently expended.

The hydrologic engineering activities of the Nuclear Regulatory Commission are diverse and we have not yet completed a survey of the staff to identify how the Hydrology Committee can best support the activities of

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Mr. Guy R. Martin

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NRC. However, enclosed is a brief list of suggestions which we may augment in the near future through our member of the Hydrology Committee, William S. Bivins.

Sincerely,

(Signed) T. A. Rehan

for William J. Dircks
Executive Director for Operations

Enclosure:
Suggested Areas of Contribution
by the Hydrology Committee
U.S. Water Resources Council
to the Nuclear Regulatory
Commission

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Suggested Areas of Contribution by the
Hydrology Committee - U.S. Water Resources Council
to the Nuclear Regulatory Commission

1. Coordinate, recommend and assess storm surge data collection programs.
This is a logical follow-on to the storm surge model evaluation previously completed and would allow a concerted effort at data collection for the validation of such models.
2. Continuing the effort on storm surge modeling, the Hydrology Committee could establish a recommended storm surge estimate methodology similar to the flood flow frequency guidelines.
3. Provide a center of excellence to update, improve and revise hurricane surge models.
4. Develop procedures and/or guidelines to analyze floods caused by dam failures.

U. S. Water Resources Council Guy R. Martin		ACTION CONTROL		DATE		09595	
		COMPL DEADLINE		9/30/80		DATE OF DOCUMENT	
		ACKNOWLEDGMENT				9/9/80	
		INTERIM REPLY				PREPARED OR SIGNATURE OF	
TO		FINAL REPLY		9/12/80		<input type="checkbox"/> CHAIRMAN	
William Dircks		FILE LOCATION		Dircks 10/15/80		<input checked="" type="checkbox"/> EXECUTIVE DIRECTOR	
						OTHER: <u>Denton</u>	
DESCRIPTION <input type="checkbox"/> LETTER <input type="checkbox"/> MEMO <input type="checkbox"/> REPORT <input type="checkbox"/> OTHER		SPECIAL INSTRUCTIONS OR REMARKS					
Requests recommendations as to how the hydrology Committee can best serve the needs of the Water Resources Council and the NRC		EDC					
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