IX - WATER CONTROL MANAGEMENT

9-01.

Responsibilities and Organization

a. <u>Corps of Engineers</u>. Brea Damis owned by the Federal Government and is operated and maintained by the U.S. Army Corps of Engineers, Los Angeles District, which has complete regulatory responsibility for the dam and the reservoir lands.

Reservoir operations at Brea Dam and other Corps of Engineers facilities are conducted by the Reservoir Regulation Unit of the Reservoir Regulation Section of Los Angeles District. Table 1-01 is an organizational chart depicting the chain of command for the Reservoir Regulation Decisions.

Gate regulation instructions to the Dam Tender are issued by the Reservoir Operations Center (ROC) (see secs. 5-05 and 5-06). In the event that communication between the ROC and Brea Dam are interrupted, a set of Standing Instructions to the Project Operator for Water Control are included in this manual as Exhibit A. Project Operators are part of the Operations Branch under the Constructions-Operations Division of the Corps of Engineers, Los Angeles District.

- b. Other Federal Agencies. The U.S. Army Corps of Engineers has complete responsibility for the operation of Brea Dam. Although the Corps of Engineers receives data and information from other Federal and local agencies and informs these agencies of major decisions affecting Brea Dam, no other agency has any responsibility in the operation of Brea Dam. The USGS operates stream gauges within the Orange County drainage area.
- c. <u>State and County Agencies.</u> The Orange County Environmental Management Agency (OCEMA) has maintenance responsibility for Brea Creek Channel downstream of Brea Dam.
- d. <u>City of Fullerton</u>. A large portion of the Brea Reservoir lands owned by the Federal Government and operated by the Corps of Engineers, is leased to the City of Fullerton for recreational purposes. The Corps of Engineers retains all rights to inundate this land.
- e. <u>Private Organizations</u>. There is no involvement of private organizations in the regulations of Brea Dam.

9-02. <u>Interagency Coordination</u>

The U.S. Army Corps of Engineers coordinates with other Federal, State, County, local organizations, and the press, concerning the water control for Brea Reservoir.

a. <u>Local Press and Corps of Engineers Bulletins</u>. The Public Affairs Office of the Corps of Engineers, Los Angeles District, is responsible for interfacing with the press regarding operations at Brea Dam and flow on Brea Creek downstream of the dam. This is accomplished through both interviews and the occasional

issuance of press releases. The Corps of Engineers does not publicly issue flood watches or warnings or other status reports or forecasts. These are the responsibility of the National Weather Service.

- b. <u>National Weather Service</u>. The Corps of Engineers utilizes National Weather Service data and forecasts in the operation of Brea Dam, including the real-time telemetry data from gauges installed in the watershed and by other County Flood Control Districts in cooperation with the National Weather Service. The Corps shares data with the National Weather Service and other agencies both on a realtime basis and after the fact.
- c. <u>U.S. Geological Survey</u>. The Corps of Engineers receives streamflow data in southern California from the USGS, primarily on a historical basis. The Corps coordinates with the USGS in many different ways and shares its data with the Geological Survey.
- d. <u>Other Federal, State, or Local Agencies</u>. The Corps of Engineers and Orange County Department of Public Works closely coordinate the operation of their reservoir projects and the maintenance and patrolling of their channels. The Corps keeps the City of Fullerton informed of any anticipated and actual reservoir impoundments. Other interested agencies, such as the California Department of Transportation (CALTRANS), are informed by the Corps of Engineers whenever a major inundation or release at Brea Dam is anticipated.

9-03. <u>Interagency Agreements</u>

The Corps of Engineers has a maintenance agreement with Orange County Department of Public Works for the improved channel of Brea Creek. The Orange County Environmental Management Agency maintains the Brea Creek Channel downstream from Brea Dam.

9-04. Commissions, River Authorities. Compacts and Committees

Brea Dam is not involved in any commissions, compacts, or other such formal multiagency agreements.

9-05. Reports

The U.S. Army Corps of Engineers, Los Angeles District, prepares and files several types of reports.

Each month during the runoff season, November through April, a flood situation and runoff potential report is prepared and sent to the South Pacific Division of the Corps of Engineers.

Five specific forms are also prepared in conjunction with the District's reservoir operations. A copy of each of these forms is included in figures 5-01 through 5-05. These include: Rainfall Record (from manual readings of glass tube rain gauges), Record of Calls (both radio and telephone), Flood Control Basin Operation Report (prepared by each dam tender), Reservoir Computations and Reservoir Operation Report.

The Corps of Engineers also collects and files charts from recording instruments at Brea Dam (and other dams) including precipitation, reservoir water surface elevation, and gate height. Daily precipitation totals and,

as needed, other data (such as unusually high intensities) are manually extracted from the precipitation charts, and the charts are sent to the National Climatic Data Center of NOAA. The other charts are maintained on file at the Corps of Engineers, Los Angeles District.

RAINFALL RECORD

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416	BREA		WS GH					GATES OPEN 2.0 FT.	0
417	FULLERTON		ws GH					GATES OPEN 1.1 FT.	
418	CARBON CANYON		WS GH					#1 OPEN 0.5 FT.	
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