

EXHIBIT G

Chain of Correspondence For Approval of Water Control Manual

CESPD-ED-W (CESPL-ED-HR/14 Nov 89) (1110-2-240) 3rd End Hsu/bg/5-1521
SUBJECT: Hansen Dam Water Control Manual

DA, South Pacific Division, Corps of Engineers, 630 Sansome Street,
Room 720, San Francisco, CA 94111-2206

28 SEP 1980

For Commander, Los Angeles District, ATTN: CESPL-ED-HR

1. Subject manual is approved subject to the correction of the anomaly on the outflow hydrograph curve at 15 hours on 3-2-83 in Plate 8-7.
2. District is requested to submit four copies of report quality reproduction of this final version of the manual to this office after completion.

FOR THE COMMANDER:

Encl
wd

JAY K. SOPER
Director, Engineering

CF:
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10 SEP 1990

CESPL-ED-HR (CESPL-ED-HR/14 Nov 89) (1110-2-240b) 2nd End. Stuart FTS 798-3001
SUBJECT: Hansen Dam Water Control Manual

DA, Los Angeles District, Corps of Engineers, 300 N. Los Angeles Street,
Los Angeles, CA 90053-2325

FOR Commander, South Pacific Division, ATTN: CESPED-ED

1. Enclosed are four copies of the final Hansen Dam Water Control Manual prepared in accordance with ETL 110-2-251. Responses to CESPED comments (enclosure 1) provided by 1st endorsement have been incorporated into the enclosed manuals. Report quality reproduction of this final version of the manual will begin upon receipt of your final approval.

2. If you have any questions, please contact Robert Stuart of our Reservoir Regulation Section.

FOR THE COMMANDER:

Encls

ROBERT E. KOPLIN, PE
Chief, Engineering Division

CF: (wo/encls)

KOPLIN
CESPL-ED

CESPL-ED-H
CESPL-ED-HR (2)
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EVELYN
CESPL-ED-H

BIGORNIA
CESPL-ED-HR

STUART
CESPL-ED-HR
ep/X3001

CESPD-ED-W (CESPL-ED-HR/14 Nov 89) (1110-2-240b) 1st End Krhoun/8-465-1433
SUBJECT: Hansen Dam Water Control Manual

DA, South Pacific Division, Corps of Engineers, 630 Sansome Street, Room 720,
San Francisco, CA 94111-2206

28 MAR 1990

FOR Commander, Los Angeles District, ATTN: CESPL-ED-HR

1. Subject final draft manual has been reviewed and comments are enclosed. These comments are submitted to assist the District in finalizing the manual. Approval will be given after review by this office of the final manual.
2. The EA associated with the manual was received and reviewed in January 1990. There are no comments on this document.
3. District is requested to submit its responses to the comments along with the submission of the final manual.

FOR THE COMMANDER:

2 Encls
Wd all copy of encl 1
Added 1 Encl
2. Comments

JAY K. SOMER
Director
DIRECTORATE OF ENGINEERING

CF: CESPD-ED-W/Krhoun (w/encl)
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FACSIMILE HEADER SHEET
(NR 105-1-5)

FROM (Name) F. Krhoun	OFFICE SYMBOL CESPD-ED-W	TELEPHONE NO. 705-1433	RELEASER'S SIGNATURE F. Krhoun		
TO (Name) B. Bigornia	OFFICE SYMBOL CESPL-ED-HR	TELEPHONE NO. 705-6915	PAGES 3	PRECEDENCE ASAP	DTG
SUBJECT					

U.S. Government Printing Office: 1989-622-833

CESPD-ED-W

8 March 1990

**SOUTH PACIFIC DIVISION
COMMENTS ON
WATER CONTROL MANUAL
HANSEN DAM**

1. Page III-2, 2nd line- Hansen Dam was authorized as a single purpose flood control reservoir. As such, its operation of the dam was for flood control and it should not have to be operated "more strictly" due to sediment increase. Suggest this sentence be revised.

2. Page III-3, Paragraph 3-05- Delete "and conservation storage" in the third line of this paragraph. Since the project was authorized for only flood control storing water for conservation purposes is not appropriate. It is noted that releasing water from the debris pool to enhance groundwater activities of LACDPW is desirable as this storage would not effect the protection afforded downstream.

3. Page V-3, Paragraph 5-06a- Indicate that Lopez Dam is ungated and that is the reason that there are no electrical or telephone at the dam. This would eliminate any possibility someone questioning the lack of facilities at dam.

4. Page VI-1, Paragraph 6-01a- Delete the last sentence in this sub-paragraph as it relates to future operations.

5. Page VII-2, Paragraph 7-05-

a. In the first paragraph change coordinated to attempt to inform. It appears the manual as written infers approval of LACDPW prior to the Corps making flood control releases. In the event of a communication outage the Corps should make flood control releases even if it can't contact LACDPW.

b. Revise the third sentence of the second paragraph. It is unlikely that outflow could equal inflow unless the reservoir is in a static condition, that is there is no change in storage. In most cases there will be a change of storage which is caused by a difference between inflow and outflow unless the gates settings are constantly changed. The plan in the manual calls for all gates to be fully opened once the reservoir reaches elevation 1010.5 feet.

6. Page VII-3, Paragraph 7-05- In the first full sub-paragraph on this page the manual states Hansen Dam is a component of a reservoir system and will be operated accordingly. Briefly describe in this section how that is to be accomplished.

7. Page VII-5, Paragraph 7-13- Eliminate the second sub-paragraph. The water control plan is based on the rated capacity of the downstream channel which should be able to pass the maximum release with minor damages. It is noted that the

District Commander has the approval authority for emergencies. Any planned deviations from approved operating criteria must be submitted to the Division office for approval.

8. Page VIII-7, Paragraph 8-06- This paragraph indicates that flood control releases will not be made until until LACDPW has adjusted its diversion gate in the channel downstream of the dam. The District should not be restricted to making releases by the downstream interests. Revise this paragraph to indicate the District will attempt to provide adequate warning time to downstream interests if flood control releases are to be made. District should make releases as shown in the operating plan even if LACDPW has not been able to adjust its diversion gate.

9. Plate 3-4- See comment 8 for notification of LACDPW.

10. Plate 4-2- The row marked annual is misleading. The data in this row is either average like mean monthly temperature and precipitation or maximums and minimums. Please revise the table accordingly. Although this table is based on 34 years of record the period of record ends in 1964. It would be more appropriate if this data could be shown for a gage with approximately the same length of record in the vicinity of the one shown in the chart which is still active and would be representative of Burbank.

11. Plate 4-8- Extend this chart through water year 1989.

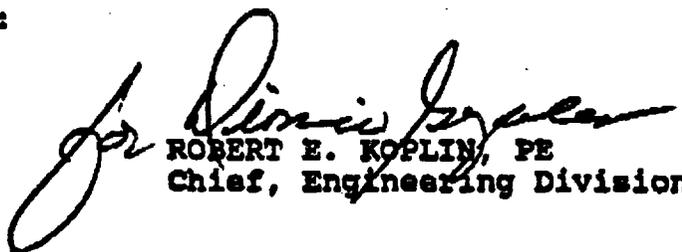
12. Plates 5-4 and 5-6- Extend these tables through the channel capacity of 20,800 cfs.

13. Plate 8-7- There appears to be an error in the inflow and outflow curves at 1500 hours on 3-2-83.

**DEPARTMENT OF THE ARMY**LOS ANGELES DISTRICT, CORPS OF ENGINEERS
P.O. BOX 2711
LOS ANGELES, CALIFORNIA 90003-0211REPLY TO
ATTENTION OF.**CESPL-ED-HR (1110-2-240)****14 November 1989****MEMORANDUM FOR Commander, South Pacific Division, ATTN: CESPD-ED-W****SUBJECT: Hansen Dam Water Control Manual**

1. Enclosed are three draft copies of the Hansen Dam Water Control Manual for your review and approval. The draft Environmental Assessment (EA) has been completed and requires additional coordination to address biological issues with the U.S. Fish and Wildlife Service. Submittal of the draft EA is expected to be made before the end of the calendar year. We are sending the draft Water Control Manual ahead of the EA in order to expedite the review process and minimize delays in the 3-year program for water control manual updates.

2. A copy of the draft Water Control Manual has also been sent to the Los Angeles County Department of Public Works for concurrent review.

FOR THE COMMANDER:

ROBERT E. KOPLIN, PE
Chief, Engineering Division

Encl (3 copies)