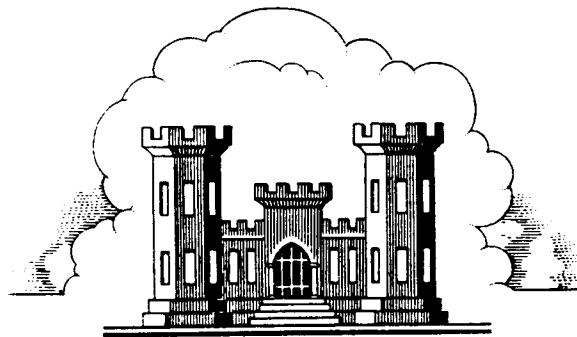


L. A. D. M. 1130 - 2 . 43

GILA RIVER BASIN , ARIZONA AND NEW MEXICO

RESERVOIR REGULATION MANUAL
FOR
PAINTED ROCK RESERVOIR



U. S. ARMY ENGINEER DISTRICT , LOS ANGELES
CORPS OF ENGINEERS
JUNE 1962

ADDRESS REPLY TO:
DISTRICT ENGINEER
U. S. ARMY ENGINEER DISTRICT, LOS ANGELES
P. O. BOX 17277, FOGY STATION
LOS ANGELES, CALIFORNIA 90017

U. S. ARMY ENGINEER DISTRICT, LOS ANGELES
CORPS OF ENGINEERS
751 SOUTH FIGUEROA STREET
LOS ANGELES, CALIFORNIA 90017

REFER TO FILE NO.

SPLGP-H

20 September 1963

SUBJECT: Reservoir Regulation Manual for Painted Rock Reservoir, Gila
River Basin, Arizona and New Mexico

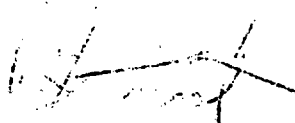
TO: 1. Division Engineer
U. S. Army Engineer Division, South Pacific
ATTN: SPDGT-H
San Francisco, California 94111

1. Inclosed are four revised copies of the "Reservoir Regulation Manual for Painted Rock Reservoir," dated June 1962. Please destroy the copies in your possession as they are obsolete.

2. The manual was originally transmitted to SPD for approval by letter, SPLGP-H, dated 24 July 1962, subject as above. Approval was received from SPD by 1st indorsement and from OCE by 2nd indorsement, subject to certain revisions. Additional revisions were requested by SPD in a 5th indorsement.

3. The inclosed manuals have been revised as requested in the referenced indorsements. Because of the relatively large number of pages with minor revisions, new manuals were prepared rather than revised pages.

1 Incl (quad)
as


EARL G. PEACOCK
Colonel, Corps of Engineers
District Engineer

SPDGT-H (20 Sep 63)

1st Ind

U S Army Engr Div, South Pacific, San Francisco, Calif 26 Feb 64

TO: Chief of Engineers, ATTN: ENGCW-EY

1 Incl
2 cy wd

F. C. K.

ENGINEER (24 July 62) 2nd Ind
SUBJECT: Reservoir Regulation Manual for Painted Rock Reservoir, Gila River Basin, Arizona and New Mexico

Hq, DA, Office of the Chief of Engineers, Washington, D.C., 29 November 1962

TO: Division Engineer, U.S. Army Engineer Division, South Pacific, San Francisco, California

The Reservoir Regulation Manual for Painted Rock Reservoir is approved subject to the following comments:

a. Paragraphs 18 and 26 state that Painted Rock Reservoir is necessary in connection with the 1944 Water Treaty with Mexico. Pertinent provisions of that Treaty and a discussion of the relation between operation of the reservoir and the Treaty should be included in the manual.

b. Paragraph 19 should contain some discussion of the relative importance of the different types of property subject to flood damage. If some types of property are not affected until relatively high flows occur, that should be indicated.

c. Paragraph 36 should cover the existing capacity of the channel in this reach even though improvement has been recommended.

d. Paragraph 38 should indicate the nature of damages caused by releases of 3000 c.f.c. and also for the planned release rate of 22,500 c.f.c.

e. Paragraph 60 states that Colorado River levees were designed on the basis of an agreement that releases from Painted Rock Reservoir would be stopped during peak flows on the Colorado River. This agreement and its effect on the regulation of the reservoir should be discussed.

f. Paragraph 65 provides for reduction of releases during Colorado River or downstream flood peaks. Specific criteria and regulation for these conditions should be included in the paragraphs on "Flood-Control Operation."

g. Rating curves for key stations have not been included. Possibly that is because they shift frequently; if so, that should be explained. Some information on stages during floods should be given, and adding stages to Table 11 would be helpful. If the reservoir is to be operated for Colorado River floods, similar data for the Colorado River should be given.

FOR THE CHIEF OF ENGINEERS:

Imd wd

WENDELL E. JOHNSON
Chief, Engineering Division
Civil Works

U. S. ARMY ENGINEER DISTRICT, LOS ANGELES

CORPS OF ENGINEERS

751 SOUTH FIGUEROA STREET

LOS ANGELES 17, CALIFORNIA

ADDRESS REPLY TO:
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U. S. ARMY ENGINEER DISTRICT, LOS ANGELES
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LOS ANGELES 17, CALIFORNIA

REFER TO FILE NO.

SPLGP-H

24 July 1962

SUBJECT: Reservoir Regulation Manual for Painted Rock Reservoir,
Gila River Basin, Arizona and New Mexico

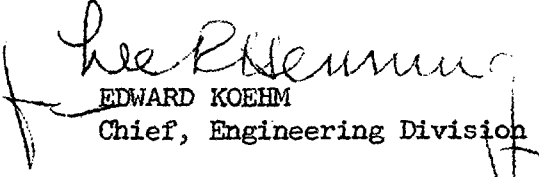
TO: Division Engineer
U. S. Army Engineer Division, South Pacific
ATTN: SPDGT-H
San Francisco, California

1. Transmitted for approval is the report titled "Reservoir Regulation Manual for Painted Rock Reservoir," dated June 1962.

2. A draft of the manual was transmitted to the Division Engineer by letter, SPLGP-H, dated 22 September 1961, subject: "Draft of Reservoir Regulation Manual for Painted Rock Reservoir, Gila River Basin, Arizona and New Mexico." In his indorsement to the subject letter, the Division Engineer approved the manual for reproduction in final form subject to certain revisions. The requested revisions have been made.

FOR THE DISTRICT ENGINEER:

1 Incl (in trip)
as


EDWARD KOEHM
Chief, Engineering Division