

Chapter 11

Other BMP Documents

This chapter contains documents that you may find useful in preparing your Water Management Plan. The first page of each document is provided here. The complete documents are provided in a printable format on the included CD and on the USBR website (www.usbr.gov/mp/watershare).

1. Canal Lining
2. Crop Survey Form
3. CUWCC Memorandum of Understanding (MOU)
4. Incentive Pricing
5. Reservoir Lining

1. Canal Lining

Methodology for Determining Applicability/Implementation of the Canal Lining/Piping

The purpose of this methodology is to provide an analytical process for determining the applicability and potential implementation of the canal lining and/or piping as part of the *Lining/Piping* best management practice (BMP) for Central Valley Project (CVP) districts. The U.S. Bureau of Reclamation's (Reclamation) criteria for CVP Water Management Plans requires the consideration of lining or piping unlined conveyance systems as a water management practice.

Many of the districts in the CVP were formed for the purpose of providing surface water from major California river systems to over-drafted or water-short areas in California. The allocation of surface water to many of the districts is based on the practice of conjunctive use of surface water and groundwater supplies.

This methodology provides a streamlined analytical method for balancing the needs of CVP conjunctive use districts while giving due consideration to the canal lining and/or piping. This methodology has been developed to facilitate the evaluation of the *Lining/Piping* by the district and Reclamation's review, but there may be cases where additional information may be requested. This methodology provides one method of addressing canal lining/piping and does not invalidate or eliminate other acceptable methods.

PART 1 **Level of Implementation**

YES NO *Is the district's distribution system already fully lined or piped?*

[If the district's distribution system is already fully lined or piped, this in itself is sufficient to justify canal lining/piping as being fully implemented. Lined sections of canals or pipelines that have aged or been damaged beyond their intended purpose should be considered equivalent to unlined canals. Supporting information should include a statement declaring that the district's distribution system is already fully lined or piped and in good repair.]

YES NO *Does the district already have an on-going canal lining/piping program?*

[If the district has already implemented a canal lining or canal-piping program, the district is already in compliance with requirements of this portion of the BMP. Supporting information should include a description of the program that has been implemented, the expected timeline of the program, and the estimated district costs]

If any of the answers above is YES, then provide supporting information. No further analysis of this methodology is required. The implementation of canal lining/piping is complete or ongoing if the district is currently implementing a canal lining or piping program, then the program is considered ongoing at an adequate level of implementation and reporting will be required in the annual update reports.

If all of the answers above are NO, then go to Part 2.

2. Crop Survey Form

Water District name

Street Name

City, CA 9xxxxx

Phone Fax Email

Name Joe Farmer

Date 21 March 2005

Address 000 Winchester Canyon Road

Acct # 700000

2005 CROP REPORT

Each water user is required to file a crop report each year. The 1999 Crop Report Form lists each field by APN and acreage as listed on your RRA Form. Please indicate each crop, irrigation method, the percentage of well water used (if any) and if a field was double cropped or fallowed. If you farm any land within the District that is not listed on the Crop Report Form please add it to the list. Please pick from the crop and irrigation system lists on the back of this page when completing the form.

APN	acres	crop	crop acres	irrigation method	% well use	double cropped acres
79-000-00	160.00	avocados	45.0	micro	0	0
		lemons	100.0	micro	0	0
		misc. (creek)	10.0	--	--	--
		roads, house	5.0	--	--	--
		TOTAL	160.0			0

3. CUWCC Memorandum of Understanding (MOU)

MEMORANDUM OF UNDERSTANDING
REGARDING
URBAN WATER CONSERVATION
IN CALIFORNIA

*As Amended March 10, 2004
(Except Section 4.5 & 4.6, Amended on March 9, 2005)*

CHECK CUWCC WEBSITE (WWW.CUWCC.ORG) FOR CURRENT VERSION

INCENTIVE PRICING BEST MANAGEMENT PRACTICE FOR AGRICULTURAL IRRIGATION DISTRICTS

June 1998

Prepared by



Resource Consultants

Methodology for Determining Applicability/Implementation of Reservoir Lining

The purpose of this methodology is to provide a streamlined analytical process for determining the applicability and potential implementation of the reservoir lining as part of *Lining/Piping* best management practice (BMP) for Central Valley Project (CVP) districts. The U.S. Bureau of Reclamation's (Reclamation) criteria for CVP Water Management Plans requires the consideration of lining unlined reservoirs.

This methodology provides a streamlined analytical method for balancing the needs of CVP conjunctive use districts while giving due consideration to the reservoir lining. This methodology has been developed to facilitate the evaluation of the reservoir lining by the district and Reclamation's review, but there may be cases where additional information may be requested. This methodology provides one method of addressing the reservoir lining and does not invalidate or eliminate other acceptable methods.

PART 1 **Level of Implementation**

YES NO *Is the district's regulating system already fully lined?*

[If the district's regulating system is already fully lined, this in itself is sufficient to justify this element of the *Lining/Piping* BMP as being fully implemented. Lined reservoirs, which have aged or been damaged beyond their intended purpose should be considered equivalent to unlined reservoirs. Supporting information should include a statement declaring that the district's regulating reservoirs already fully lined and in good repair.]

YES NO *Does the district already have on-going reservoir lining program?*

[If the district has already implemented a reservoir-lining program, the district is already in compliance with requirements of this element of Lining/Piping BMP. Supporting information should include a description of the program that has been implemented, the expected timeline of the program, and the estimated district costs]

YES NO *Is the district's conveyance system fully piped and does the district experience very infrequent to no operational spills? (Reservoirs were constructed for and are used principally for groundwater recharge purposes.)*

[Many fully piped distribution systems do not require the use of a regulating reservoir except for infrequent use or under non-typical conditions. A groundwater recharge reservoir might be used during the low demand winter season to reverse flow water using gravity. Demands may be such that pumping costs could be substantially reduced by the use of an up-slope recharge basin to store water and reverse flow to meet irrigation demands. Recharge reservoirs may also be used to store water during a non-routine shutdown or de-watering of a main source canal.]