# Colorado River Basinwide and Basin States Salinity Control Programs

**Salt Load Reduction Worksheet PROJECT NAME & LOCATION**

## Applicant Name

**Date**

#### WORKSHEET SUBMITTAL INSTRUCTIONS & SCHEDULE

Applications for salt load reduction **must** be emailed to the Grant’s Office at:

bor-sha-uc-foasaltloadreduction@usbr.gov

Point of Contact:

Autumn Anderson

amanderson@usbr.gov

(801) 524-3609

**A request for salt numbers will only be accepted, by email, from the proposing entity that is eligible to apply. Reclamation will carbon copy response to engineers at the request of the entity.**

Deadline:

Applicants are encouraged to submit the Salt Load Reduction Worksheet as early as possible following the release of the NOFO, especially if applicants anticipate submitting a revised version of the Salt Load Reduction Worksheet. **Final submissions of Salt Load Reduction Worksheet** **must be received by Reclamation no later than August 11, 2023**.

#### PROPOSED SALINITY CONTROL

* + 1. **IRRIGATION DELIVERY SYSTEM IMPROVEMENTS**

**Prior to preparing the responses for the Worksheet, applicants proposing salinity control projects through irrigation delivery system improvements should contact the appropriate Reclamation Technical Contact listed in Section B to learn if salt load reduction estimates are available for your area.** Salt load reduction estimates for agricultural areas can only be provided where Reclamation has been able to make estimates from Reclamation, Natural Resources Conservation Service (NRCS), or United States Geological Survey (USGS) salinity studies. For proposed salinity control projects through irrigation delivery system improvements, applicants must complete and submit the Worksheet including Part D.1 of the Background & Information section describing the facilities to be improved or replaced and Appendix B detailing the facility data. Describe plans for abandoning any facilities. If the project plan does not remove or fill in the canal, please describe why this will be left open. (Leaving a ditch/canal open will decrease the salt loading and will increase cost effectiveness)

#### OTHER TYPES OF SALINITY CONTROL

Applications for other types of salinity control (non-irrigation related) will be accepted for evaluation in the NOFO. Applicants proposing other types of salinity control must complete and submit the Worksheet including Part D.2 of the Background & Information section and Appendix C. The Worksheet is to include relevant information and data regarding the salinity source and proposed salinity control process and must quantify the salt load reduction.

Reclamation will review the information regarding the salinity source and control process and

may request additional information. In the response letter to the applicant, Reclamation will either confirm and accept the applicant’s estimated salt load reduction or provide a revised estimate based on Reclamation’s analysis of the information.

#### WATER IMPOUNDMENT STRUCTURES

This section contains special provisions for applications involving new pond or reservoir construction.

It is allowable to include the construction of a new pond or reservoir in a salinity control proposal if that structure is needed for the operation of a piped irrigation water delivery system or for other essential purposes. Justification for the pond or reservoir must be provided in the application. To be acceptable the design and construction must meet standards developed by Reclamation. The standards are aimed at providing the impoundment structure liner and other components sufficient to last for the life of the entire project (50 years if coupled with buried pipelines) and that they are built to acceptable standards. Applicants contemplating a new pond or reservoir can obtain these standards from the appropriate Technical Contact listed in Section

B. A successful applicant’s funding agreement will require a complete Reclamation review and approval of the proposed design, specification, and construction standards.

Additional seepage will likely occur from the new pond or reservoir and must be accounted for in the application’s overall salt load reduction estimate. This seepage must be identified and multiplied by the appropriate local salt loading rate to estimate new salt loading which will then be deducted from the application’s total salt load reduction estimate. Applicants proposing new water impoundment structures as part of a salinity control project must obtain a salt load reduction estimate from Reclamation by completing and submitting the Salt Load Reduction Worksheet.

### SECTION B - RECLAMATION SALINITY TECHNICAL CONTACTS

Colorado River Basin Salinity Control Program Manager

Clarence Fullard

125 South State Street, Room 8100 Salt Lake City, UT 84138

Phone: 801-524-3753

Email: CFullard@usbr.gov

Colorado River Basin Salinity Control Program Basinwide Coordinator Mrs. Melynda Roberts

125 South State Street, Room 8100 Salt Lake City, UT 84138

801-524-3727

mroberts@usbr.gov

**Western Colorado & Southwest Colorado, New Mexico, and Arizona**

Mr. Josh Dunham

445 W. Gunnison Avenue, Ste 221

Grand Junction, CO 81506

970-248-0613
jdunham@usbr.gov

**Eastern Utah and Western Wyoming**

Mr. Jay Kalafatis

302 East 1860 South

Provo, UT 84606-7317

801-379-1135

jkalafatis@usbr.gov

|  |
| --- |
| **REQUESTOR INFORMATION** |
| This worksheet may only be submitted by the owner/operator of the facilities proposed to be improved or constructed. The owners may, at their discretion, designate an engineering/consulting company or individual as their representative in an email to bor-sha-uc-foasaltloadreduction@usbr.govSalt load reduction estimates will be provided directly to the Entity Manager with a copy to any designated representative. |
| **A.** | **REQUESTING ENTITY NAME:****City/town, State** |
| Response: |
| **B.** | **PROJECT NAME:** |
| Response: |
| **C.** | **WORKSHEET PREPARED BY:** |
| Response: |
| **D.** | **ENTITY MANAGER CONTACT INFORMATION:** |
|  | Name: |  |  |
| Title: |  |  |
| Address: |  |  |
| Telephone: |  |  |
| Fax: |  |  |
| E-mail: |  |  |

|  |
| --- |
| **BACKGROUND & INFORMATION FOR SALT LOAD REDUCTION ESTIMATE**IN ORDER TO OBTAIN SALT LOAD REDUCTION ESTIMATES FOR NOFO APPLICATIONS, THIS WORKSHEET MUST BE SUBMITTED TOBOR-SHA-UC-FOASALTLOADREDUCTION@USBR.GOV |
| Provide a brief narrative or tabular data responding to each of the following sections that apply to the proposed salinity control project. All information must be entered into the response boxes provided in the application, with the exception of data tables which may be inserted in Appendix B. Additional instructions for completing this worksheet are providedin Section A. (It is important to confer with or contact the appropriate Technical Contact listed in Section B, prior to preparing the responses for this worksheet) |
| **A.** | **BACKGROUND & DESCRIPTION OF PROJECT AREA:** Describe projectsetting and geographic location. For irrigation-related applications, include general hydrology, geology, soils, climate (average rainfall, temperature, and growing season), water storage facilities, existing irrigation facilities (total mileage of canals & laterals and number of users), irrigated acreage, types of crops, etc. |
| Response: |
| **B.** | **PROJECT MAP(S):** Attach a detailed map(s) as Appendix A scaled appropriately to easily identify the project area, existing facilities, and major geographic features including roads, streams, reservoirs, towns, etc. If the proposed project is irrigation related, the map should show locations of canals, laterals, and irrigated lands and land ownership (Federal, state, Tribal, private etc). Those canals or laterals proposed forimprovement or abandonment under this application should be identified. Existing lined or piped sections of canals or laterals should also be clearly identified. |
| **C.** | **WATER RIGHTS AND SUPPLY:** Describe the water rights for both diversion and storage. Describe irrigation water supply and water shortages. |
| Response: |
| **D.** | **DESCRIPTION OF PROPOSED SALINITY CONTROL:** Describe proposedprocess or changes (in parts D.1, D.2, or D.3) anticipated by the proposed project that will lead to salt load reductions to the Colorado River system. This would include improvements to or elimination of existing facilities or operations. Describe plans for abandoning any facilities. If the project plan does not remove or fill in the canal, please describe why this will be left open. (leaving a ditch/canal open will raise costeffectiveness) If the application does not contemplate changes in one of the three categories below, please indicate by entering “NA” or “Not Applicable”. |
| **D.1** | **IRRIGATION DELIVERY SYSTEM (CANALS, LATERALS, DITCHES)****IMPROVEMENTS:** If specific facilities are to be improved or replaced, include a detailed description of the facilities and complete Appendix B. |
| Response: |
| **D.2** | **OTHER TYPES OF SALINITY CONTROL (NON-IRRIGATION****RELATED):** For desalinization, evaporation or other salinity control measures, clearly describe theproposed project, identify the salinity sources and quantify the salt (in tons/year) that will be controlled or eliminated. Include data that defines the salt loading and control in tabular format in Appendix C. |
| Response: |
| **D.3** | **NEW WATER IMPOUNDMENT STRUCTURES:** If new ponds, reservoirs, settling basins, or other water impoundment structures are to be constructed for any purpose (e.g., re-regulation, evaporation pond, etc.) as part of this application, address the requirements listed in Section IV.C.1.b. If the size of a proposed or existing water impoundment structure increases later a new salt load calculation will be developed and funding may be reduced, and/or the application ranking may change. Modifications to thestructures would require Reclamation review and approval of the proposed design, specification, and construction standards”. |
| Response: |

#### APPENDIX A: EXISTING IRRIGATION DELIVERY FACILITIES DATA SHEET (Use

required format)

#### APPENDIX B: PROJECT MAPS

**APPENDIX C: SUPPLEMENTAL DATA TABLES AND/OR DATA FOR OTHER TYPES OF SALINITY CONTROL (NON-IRRIGATION RELATED)**