



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
 PUBLIC DRINKING WATER BRANCH  
**ENGINEERING REPORT SERVICES GRANT PROGRAM  
 APPLICATION**

|                            |
|----------------------------|
| <b>FOR OFFICE USE ONLY</b> |
| DATE RECEIVED              |

**Submit to:** Missouri Department of Natural Resources, Public Drinking Water Branch, P.O. Box 176, Jefferson City, MO 65102-0176. Please type or print legibly.

**1. GENERAL INFORMATION**

|  |                            |                 |                     |
|--|----------------------------|-----------------|---------------------|
| PUBLIC WATER SYSTEM NAME   | PUBLIC WATER SYSTEM ID NO. | POPULATION      | DUNS NO. (Required) |
| PUBLIC WATER SYSTEM CONTACT PERSON FOR THIS DRINKING WATER PROJECT |                            | TITLE           |                     |
| MAILING ADDRESS  |                            |                 |                     |
| CITY   | STATE                      | ZIP CODE + FOUR | COUNTY              |
| TELEPHONE NUMBER WITH AREA CODE                                    | FAX NUMBER WITH AREA CODE  | EMAIL           |                     |

HAS OR WILL THE WATER SYSTEM APPLY FOR DWSRF FUNDING FOR CONSTRUCTION RELATED TO THE PROPOSED ENGINEERING REPORT?  
 Yes       No

**2. DISADVANTAGED COMMUNITY**

Disadvantaged communities are eligible for up to 100 percent funding and must meet all of the following requirements:

Does the system serve a population below 3,300?

Yes       No

Are user rates at or above 2 percent of the median household income?

Yes       No

If yes, monthly cost for 5,000 gallons of water : \_\_\_\_\_

Is the community median household income at or below 75 percent of the state median household income?

Yes       No

If yes, community median household income : \_\_\_\_\_ data source: \_\_\_\_\_

**3. ELIGIBILITY CRITERIA**

The following are minimum eligibility criteria:

Does the system serve a population less than or equal to 3,300?

Yes       No

Does the community water system have a valid permit to dispense water to the public?

Yes       No

If no, has the community water system submitted an application to obtain a valid permit to dispense water to the public?

Yes       No (Note: if no, you are ineligible to receive funding)

Does the continuing operating authority have any outstanding drinking water fees?

Yes       No (note: all outstanding fees must be paid prior to selection to remain eligible for funding)

Does the community water system employ a certified chief operator or contract operator?

Yes      Name: \_\_\_\_\_ Certification number: \_\_\_\_\_

No (Note: if no, you are ineligible to receive funding)

What year was the last engineering report completed for this community water system? \_\_\_\_\_

**4. ESTIMATED PROJECT COST INFORMATION**

|  |    |
|--|----|
| <b>Total Engineering Report Cost:</b> Funding by the department shall not exceed 80 percent of total engineering report cost up to a maximum of \$20,000. Disadvantaged communities are eligible for 100 percent of total engineering report cost up to a maximum of \$25,000. | \$ |
|--|----|

|  |    |
|--|----|
| Breakdown of engineering report cost (not construction cost) per designated categories |    |
| I. Treatment   | \$ |
| II. Transmission and Distribution  | \$ |
| III. Storage   | \$ |
| IV. Source   | \$ |
| V. Other Specify:  | \$ |

## 5. PROJECT DESCRIPTION

DESCRIBE THE MAJOR COMPONENTS OF THE PROJECT. WHAT WILL THE ENGINEERING REPORT COVER? WHY IS THIS ENGINEERING REPORT NEEDED? (ATTACH A SEPARATE SHEET, IF NECESSARY)

## 6. SAFE DRINKING WATER ACT (SDWA) COMPLIANCE PRIORITY POINT CHECKLIST

Please check only the items listed below that will be addressed with this project.

### Section A: Safe Drinking Water Act Violations and Compliance

The engineering report will address these issues the community water system is experiencing:

- Correct persistent violations of maximum contaminant levels or treatment performance criteria for acute risk contaminants (such as coliform, turbidity or nitrate) that have occurred within the past 36 months.
- Correct persistent violations of maximum contaminant levels for naturally-occurring contaminants (such as radium, radon, uranium, arsenic, radionuclides).
- Correct persistent violations of treatment technique requirements.
- Correct persistent violations of maximum contaminant levels for non-acute risk primary contaminants occurring within the past 36 months.
- Correct persistent violations of maximum contaminant levels for secondary contaminants occurring within the past 36 months.
- Compliance with Missouri's Surface Water Treatment Rules, Disinfectants/Disinfection By-Products Rules, or Groundwater Rules.
- Enable the community water system to comply with an administrative order, bilateral compliance agreement, or other enforceable document issued by the Missouri Department of Natural Resources.

### Section B: Problems with Waterborne Disease, Minimum Working Pressure and Inadequate Supply

The community water system is experiencing these problems and the engineering report will address them:

- At least 51 percent of the project will address problems causing a waterborne disease outbreak attributable to the community water system by the Missouri Department of Health and Senior Services.
- The community water system can document its inability consistently to maintain >35 psi as a normal working pressure in the distribution system.
- The community water system can document its inability consistently to maintain >20 psi at all service connections.
- Private or noncommunity wells or sources in the project service area are unable to consistently provide an adequate amount of potable water for general household purposes and at least 51 percent of the project addresses this need.

### Section C: Problems with inadequate wells, water loss, distribution systems, storage and treatment

The community water system is experiencing these problems and the engineering report will address them:

- Provide the community water system with a backup well or backup interconnection with another community water system.
- Address problems with improper well construction.
- Address unaccounted-for water that exceeds 10 percent of the drinking water produced by the community water system, and the loss is due to leaking or broken water lines.
- Provide necessary modifications to a distribution system anticipated to exceed design capacity or useful life within the next five years, or address a demonstrated need to replace faulty pipes or substandard pipe materials.
- Address a demonstrated need for distribution system valves and flushing devices.
- Address a demonstrated need for looping of water mains.
- Address an inability to maintain a disinfectant residual at all points in the distribution system.
- Address water storage facilities in poor condition not related to inadequate storage.
- Provide the community water system with a storage capacity equal to one day's average use
- Provide the community water system with adequate standby power.

- Provide necessary modifications to a source or treatment facility anticipated to exceed design capacity or useful life within the next five years.
- Address significant degradation of the quality of raw water supply.
- Address significant degradation of the quality of finished water in storage.
- Enable the community water system to meet existing state requirements for the treatment or storage of waste residues generated by the water treatment plant.
- Enable repair or replacement of treatment facilities for required disinfection or turbidity removal that are severely deteriorated beyond the useful life of the facility.
- The community water system has received an operational evaluation level exceedance for disinfection byproducts within the past 36 months
- The community water system's source has been directly impacted by natural disasters (such as flood or drought) or non-naturally occurring contamination within the last four years.
- The community water system's treatment plant or distribution system has been impacted by natural disasters (such as flood or drought) or non-naturally occurring contamination within the last four years.
- At least 51 percent of the project is for repair or replacement of an existing community water system damaged or destroyed by a natural disaster. (Note: Documentation must be submitted along with a statement that adequate state or federal disaster relief is not available).

**Section D: Regionalization, Interconnection, and Security**

The engineering report will:

- Provide necessary upgrades to facilities of a primary community water system to continue or expand services as a regional water supplier.
- Result in the permanent supply interconnection of two or more existing community water systems. (This includes new water systems that allow small water systems within their boundaries to consolidate).
- Result in a regional management system responsible for the day-to-day operation of the community water system.
- Provide necessary upgrades or new water distribution system to meet the standards of a regional supplier for the purpose of consolidation.
- Enable the community water system to enhance the water system security.

**Section E: Technical, Managerial, and Financial Capacity Demonstration**

The community water system has the following technical, managerial and financial

- capacity: The community water system is located within an endorsed Department of Natural Resources Wellhead Protection or Source Water Protection Area.
- At least 50 percent of the governing body has received training related to operation and management.
- The community water system has a written operation and maintenance plan and budget.
- The community water system currently meters all water usage from system connections.

**7. REQUIRED SUPPORTING DOCUMENTATION**

Applications missing the following supporting documentation could result in no funding or reduced funding :

- A brief description of need for each item checked in the priority checklist
- Documentation supporting your description (ex. Inspections, sanitary surveys, or system records)

**8. CERTIFICATION**

The undersigned representative certifies the information submitted in this application is true and correct to the best of his or her knowledge and that he or she is authorized to sign and submit this application. The applicant agrees, if a grant is awarded on the basis of this application, to comply with all applicable rules and regulations of the Missouri Department of Natural Resources and the terms and conditions of the grant agreement.

|  |                                 |
|--|---------------------------------|
| SIGNATURE OF AUTHORIZED REPRESENTATIVE               | DATE                            |
| NAME AND OFFICIAL TITLE                              | TELEPHONE NUMBER WITH AREA CODE |
| <b>PREPARER'S NAME AND SIGNATURE (IF APPLICABLE)</b> |                                 |
| SIGNATURE OF PREPARER                                | DATE                            |
| NAME AND TITLE                                       | TELEPHONE NUMBER WITH AREA CODE |