

RFA #20171

Drinking Water Fluoridation – Rolling Submissions

Attachment 4: Component B Technical Submittal for Projects \$50,001 or More OR Projects Initiating Fluoridation

Name of Municipality: _____

[Please note that for projects \$50,000 or less, excluding projects initiating fluoridation, Attachment 3: Component B Technical Submittal for projects \$50,000 or less must be submitted.]

This document must be prepared by a New York State licensed professional engineer for Component B projects \$50,001 or more **OR** where projects are initiating fluoridation. This Report must clearly state the scope of the project and must contain the project-relevant components listed under Section 1.1 of Recommended Standards for Water Works, 2018 Edition. Component A projects must also follow these parameters when submitting an Engineering Report for their proposed project.

The NYSDOH reserves the right to request the full Engineer’s Report prior to announcing awards/executing contracts.

<p>1. Provide a detailed description of the benefiting public water system including: (1) Names of municipalities served directly, through residential service connections, in addition to municipalities and/or public water systems served indirectly through wholesale purchase; (2) Total population served; (3) Infrastructure impacted such as: active water sources, treatment plants, and/or distribution centers; and (4) Demand including average daily water demand and peak flow demand at each feed location.</p>
<p>2. If upgrading an existing fluoridation system, indicate: (1) Number of fluoride feed locations; (2) Typical fluoride concentration provided in finished water; (3) Assessment of existing fluoridation equipment, including age and condition of existing equipment; and (4) a description of any problems/issues resulting from age, poor condition of, or lack of, proper equipment. For example, note challenges or inability to provide optimal fluoride concentrations or to accurately monitor fluoride concentrations (could include a past overfeed incident). If not upgrading, indicate Not Applicable.</p>
<p>3. Provide a description of proposed work to be done and why it is necessary, including: the scope of work anticipated including what water sources, treatment plants and/or distribution centers will be addressed; what fluoride feed, monitoring, overfeed prevention, laboratory and/or safety equipment will be updated, repaired and/or purchased; what modifications will be made to the building infrastructure; and other details deemed appropriate. Also describe if/how upgrades will improve system’s ability to provide and monitor optimal fluoride concentrations and prevent overfeed.</p>

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4. Provide a detailed timeline, which should include at a minimum, the following action steps: solicitation of bids or quotes from vendors; selection of vendor; purchase of equipment; installation of equipment; and certification of project completion.

5. Provide a detailed estimate of cost for the proposed work, which should include engineering, equipment, construction, administrative, and/or services costs, as appropriate. If subcontracting components of the scope of work, specify the components to be performed through subcontracts, and identify the subcontracting agencies, if possible. A statement of measures and means to be used to control project costs and maintain economic efficiency should be included in the cost estimates section.

6. Attach documentation, if available, from previous fluoride facilities inspections/assessments with recommended improvements. This may include information from, in whole or in part, NYS DOH Optimization Program Reports from 2006 – 2008, NYS DOH Comprehensive Performance Evaluation (CPE) Reports, State or local Health Department Sanitary Survey inspection reports, NY Rural Water Association (RWA) inspections, or other evaluations done by water engineers or drinking water professionals.

7. Attach schematic drawings.

8. Attach documentation from the NYS Department of Environmental Conservation (DEC) that the project is a Type II action under the State Environmental Quality Review Act (SEQR). If the project is a Type I or Unlisted action, submit documentation from NYSDEC that all the provisions of SEQR have been complied with. Most projects will likely be Type II Actions; however, newly fluoridating systems may need to do a SEQR Type I Action.

Name of NYS licensed professional engineer completing this report:

Signature of NYS licensed professional engineer completing this report:

Date Completed Report Signed by NYS licensed professional engineer: _____