

TXShare

Your Public Sector Solutions Center

REQUEST FOR PROPOSALS
For
Water Storage Tank Inspection & Cleaning Services
RFP # 2024-135

Sealed proposals will be accepted until 2:00 PM CT, **October 9, 2024**, and then publicly opened and read aloud thereafter.

Legal Name of Proposing Firm

Contact Person for This Proposal

Title

Contact Person Telephone Number

Contact Person E-Mail Address

Street Address of Principal Place of Business

City/State

Zip

Mailing Address of Principal Place of Business

City/State

Zip

Point of Contact for Contract Negotiations

Title

Point of Contact Telephone Number

Point of Contact Person E-Mail Address

Acknowledgment of Addenda (initial): #1 _____ #2 _____ #3 _____ #4 _____ #5 _____

NOTE: Any confidential/proprietary information must be clearly labeled as “confidential/proprietary”. All proposals are subject to the Texas Public Information Act.

COVER SHEET

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SECTION 1: OVERVIEW

1.0 PURPOSE

The North Central Texas Council of Governments (“NCTCOG”) seeks an experienced vendor or vendors to provide the goods or services described herein to the members of its TXShare Cooperative Purchasing Program (“TXShare”). The awarded contracts will be promoted via TXShare. The purpose of this Request for Proposals is to solicit responses that result in a contract with one or more vendor(s) that are qualified to provide one or more categories of the goods or services.

The desired service categories are as listed below:

Service Category #1: Water Storage Tank Inspection Services

Service Category #2: Water Storage Tank Cleaning Services

Service Category #3: Other Ancillary Goods or Services

1.0.1 Definitions:

- “RFP” or “solicitation” – this Request for Proposals document.
- “Vendor” - interested business.
- “You” or “Offeror” - vendor responding with a proposal.
- “Contractor” – Offeror awarded a contract.
- “Governmental Entity” – a government agency or non-profit organization.
- “Customer” – a governmental entity.

1.0.2 Outcome

The desired outcome of this RFP is for NCTCOG to enter into a Master Services Agreement (“MSA”) with one or more Contractors to supply municipalities, counties, school districts and other governmental agencies (“Customer”, “Government Entity”) with assistance to obtain the described services from fully licensed vendors authorized to do business in the locations selected on Exhibit 3.

The North Central Texas Council of Governments intends to award Contracts through its TXShare purchasing cooperative to multiple Contractors. Members of TXShare (“Customer” or “Member”) will have the option to utilize these contracts to fulfill their needs. The contract award does not guarantee any specific number of sales to any firm awarded under this contract. The goods or services will be provided on an as needed basis. There are no scheduled orders at this time, but there is the expectation that needs will arise among the various Customers of the TXShare cooperative. Vendors awarded contracts will be uniquely positioned to market their products to the Customers. Each Customer will negotiate their own orders on an as needed basis.

SECTION 2: TXSHARE COOPERATIVE PURCHASING PROGRAM

2.0 BENEFITS OF A COOPERATIVE PURCHASING PROGRAM

2.0.1 How Does a Cooperative Purchasing Program Work?

A government cooperative purchasing program, such as TXShare, is a cooperative arrangement for acquiring goods or services that involves aggregating the demand of two or more government agencies to obtain a more economical purchase.

Government entities (cities, counties, water districts, school districts, etc.) sign up as members to use cooperative purchasing programs through a cooperative purchasing agreement. Additionally, non-profit organizations are allowed to sign up as members.

2.0.2 How Does a Government Entity Benefit?

Cooperatives help government agencies find the right goods and services that best fits their need and expedite purchases without requiring additional solicitations (RFP or IFB) to comply with laws and regulations.

TXShare uses the North Central Texas Council of Governments (“NCTCOG”) as the lead public entity to publicly solicit and award contracts through a Request for Proposal (“RFP”) process. TXShare members are eligible to access these contracts by signing an intergovernmental agreement with the NCTCOG, thereby eliminating the need to complete their own RFP process.

Membership in the TXShare cooperative purchasing program provides the agencies with access to contracts for goods and services at pre-negotiated rates or prices. Typically, the entity member then purchases the goods or services by negotiating with the cooperative’s awarded vendors and places purchase orders, or enters into sub-agreements, based on the rates or prices listed in the cooperative purchasing program’s contracts.

2.0.3 How Does A Vendor Benefit?

A Request for Proposal (RFP) such as this one is a document that competitively solicit bids from potential vendors for goods or services. The lead public entity (NCTCOG) is an independent government entity that carries out the advertising and bid procedures required by state law.

All TXShare contracts are competitively bid and publicly awarded through this process. NCTCOG prepares the RFP incorporating the required cooperative purchasing language that allows its entity members across the nation to utilize the awarded contract(s).

Vendors respond to the RFP by submitting their proposals. NCTCOG evaluates the responses and awards a Master Services Agreement for the TXShare cooperative, thus establishing the availability for nationwide use of the resulting contracts.

Vendors who successfully compete in the RFP process and are awarded a contract will market to any public entity or non-profit and can then forgo the RFP process for an individual entity.

When marketing to a customer, the awarded vendor can provide a quote to the customer for its unique needs based on the pricing, terms and conditions of its contracts. For a vendor, being awarded a cooperative contract can help shorten the sales cycles considerably. This is especially beneficial for smaller firms, like startups, that may not otherwise be able to access the government market.

2.0.4 Mutual Benefits

Performing a competitive bidding process typically takes often in excess of 90 days to create the RFP solicitation, collect and evaluate proposals, then negotiate and award the contract. Reducing the amount of time that purchasing staff spend managing new solicitations and generating new contracts, especially for goods or services that don’t require too much customization, saves months of administrative time and effort. Reducing the need to respond to every bid process and market directly to the customer saves time and

money as well as is an “ace in the hole” for a vendor when closing the sale on its goods or services covered by a cooperative contract. Smaller governments customers can achieve price-saving advantages from purchasing off a cooperative program with greater purchasing power.

Note: There is no obligation on the part of any Customer to purchase goods or services through the awarded contracts nor is there any guarantee, implied or otherwise, that the awarded contractor(s) will make any sales based on this solicitation.

2.1 NCTCOG OVERVIEW

The North Central Texas Council of Governments is a voluntary association of, by, and for local governments and was established to assist local governments in planning for common needs, cooperating for mutual benefit and coordinating for sound regional development.

NCTCOG serves a 16-entity metropolitan region surrounding the cities of Dallas and Fort Worth. Currently the Council has 236 members, including 16 counties, 168 cities, 23 independent school districts, and 29 special districts. The area of the region is approximately 12,800 square miles, which is larger than nine states, and the population of the region is over 7.0 million, which is larger than 30 states.

NCTCOG's governing structure is as follows: each member government appoints a voting representative from their governing body. These voting representatives make up the General Assembly, which annually elects a 17-member Executive Board. The Board also includes one ex-officio non-voting member of the legislature. The Executive Board is supported by policy development, technical advisory, and study committees, as well as a professional staff.

2.2 TXSHARE PROGRAM EXPLANATION

NCTCOG intends to make the contract awarded from this solicitation available to other public entities through TXShare. By promoting their TXShare contract(s) to public entities, contractors reduce the need to repeatedly respond to public customer bids or requests for proposals. The contractor then realizes substantial efficiencies that will increase sales opportunities. Contractors agree to pay an administrative fee to TXShare calculated as a percentage of sales processed through the TXShare contracts awarded and held by the contractor. This administrative fee is not an added cost to be invoiced by the contractor to TXShare participants. This administrative fee covers the costs of contract marketing and facilitation incurred by TXShare.

Under the TXShare program, any public customer or non-profit can use the TXShare contract and its selected contractor(s) to make purchases necessary to pursue their own needs. Offerors awarded a contract under the TXShare program may offer their services nationwide if they desire to do so. The TXShare contract offers a unique advertising advantage to a contractor to promote its services, as the contract satisfies most public entities' procurement requirements.

2.3 CONTRACT MANAGEMENT AND REPORTING

The contractor will be required to track and report to NCTCOG its TXShare sales activities relating to the master contract. The contractor will be required to provide management reports on a quarterly basis. Examples of management report data include, but are not limited to:

- Participating public customer's name; pricing option chosen; total fee charged. NCTCOG and contractor will agree to form and content of reports after award of contract.

2.4 ADMINISTRATIVE FEE

TXShare will collect an administrative fee, in the form of a percentage of sales, that will apply to all sales between the contractor and public entities using the cooperative program awarded contract. NCTCOG is included as a public entity customer as it may also make purchases through the contract. The administrative fee will be remitted by the contractor to NCTCOG on a quarterly basis, along with required quarterly reporting. The administration fee for this program will be 2% of sales.

2.5 INTERLOCAL AGREEMENT

Governmental entities are extended the opportunity to purchase from contracts awarded by the NCTCOG TXShare purchasing cooperative by virtue of an interlocal agreement between the entity and NCTCOG. However, all parties

understand, and all parties hereby expressly agree, that the NCTCOG is not an agent of, partner to or representative of those government entities and that NCTCOG is not obligated or liable for any action or debts that arise out of the government customer's purchase.

2.6 STANDARD TERMS AND CONDITIONS

The NCTCOG Procurement Standard Terms and Conditions can be found at www.nctcog.org in the "Open Procurement" section, or by clicking [here](#). Proposers shall certify its compliance with these requirements as part of their proposal response by completing the certifications included with the RFP document "Attachments" section. Failure to submit the required certification statement may be grounds for finding the proposal nonresponsive.

SECTION 3: GENERAL INFORMATION

3.0 CONTRACT INTENT

NCTCOG intends to contract with one or more qualified Offeror(s) based upon the qualifications of the Offeror and the categories of goods or services they are able to provide. However, NCTCOG anticipates exploring any viable alternative for providing these goods or services and may decide, after reviewing the proposals submitted, to reject all proposals and not to enter into any agreement.

3.1 ADMINISTRATIVE GUIDANCE

The information provided herein is intended to assist vendors in the preparation of proposals necessary to properly respond to this solicitation. The solicitation is designed to provide interested vendors with sufficient basic information to submit proposals meeting minimum requirements but is not intended to limit a submission's content or to exclude any relevant or essential data there from. You are at liberty and are encouraged to expand upon the specifications to give additional evidence of your ability to provide the services requested in this solicitation.

3.2 ADDENDA

Addenda to this solicitation will be made available to vendors of record by posting the addenda on the Public Purchase website. A “vendor of record” is defined as a vendor who has downloaded the solicitation directly from the www.publicpurchase.com website. It is the vendor’s responsibility to check Public Purchase for any addenda that may be issued. You shall acknowledge receipt of addenda by checking the appropriate spaces on the cover sheet of this RFP and submit with their proposal.

3.3 SOLICITATION SCHEDULE

The anticipated schedule for the RFP process is given below. All times indicated are Central Time (CT).

The anticipated schedule is as follows:

RFP Issued	September 18, 2024	
Pre-Proposal Conference	September 26, 2024	10:00 AM CT
Inquiry Period Ends	September 30, 2024	5:00 PM CT
Proposal Due Date	October 9, 2024	2:00 PM CT
Planned Contract Award	November 2024	

NCTCOG reserves the right to change this schedule at any time.

3.4 PRE-PROPOSAL CONFERENCE

There will be a non-mandatory pre-proposal conference at 10 AM on **September 26, 2024**, via Microsoft Teams.

The invitation is as follows:

Microsoft Teams [Need help?](#)

[Join the meeting now](#)

Meeting ID: 232 602 132 940

Passcode: HsTV7j

Dial in by phone

[+1 903-508-4574,,410339421#](#) United States, Tyler

[\(903\) 508-4574,,410339421#](#) United States (Toll-free)

[Find a local number](#)

Phone conference ID: 410 339 421#

3.5 QUESTIONS AND REQUESTS FOR CLARIFICATION (INQUIRY)

Questions arising subsequent to the issuance of this solicitation will be received until 5:00 PM CT on **September 30, 2024**, and must be submitted electronically to www.publicpurchase.com. Questions received after this time may

not be answered in sufficient time to benefit the vendor in preparing a proposal. General questions about the process may be answered directly to the inquirer. Any questions of a material nature that require clarification of, or additional information added to, the solicitation will be published via addenda posted to the Public Purchase website and available for viewing of all registered participants.

Proposers are responsible for reviewing the solicitation posting on the website www.publicpurchase.com for any updates related to this RFP prior to the closing date.

3.6 PROPOSAL SUBMISSION

To respond to this RFP, as well as receive notifications, updates, addenda, and other solicitation information, vendors are required to download the solicitation from the Public Purchase website. Failure to do so may result in vendor not receiving important information.

Submission of your proposal must be through uploading the proposal via Public Purchase website no later than **2:00 PM CT on October 9, 2024**, the proposal due date. Proposals shall be made in English in a searchable PDF format. It is your responsibility to ensure that the proposals are properly uploaded as described above by the designated due date and time. NCTCOG assumes no responsibility for delays caused by any reason. Late proposals will not be accepted nor considered. Proposals may be withdrawn at any time prior to the submittal deadline, but they may not be withdrawn after the official opening.

NOTE: Any confidential/proprietary information must be clearly labeled as “confidential/proprietary”. All proposals are subject to the Texas Public Information Act.

3.7 PUBLIC OPENING

The public opening for this RFP will be conducted beginning approximately 2:05 PM CT on the date proposal submissions are due. The opening meeting will be held virtually via Microsoft Teams and will be recorded. Please note that a large volume of proposals may result in a lengthy opening process. Meeting access information and the Teams meeting invite will be posted to Public Purchase prior to the date of the public opening. Only the names of the Offerors submitting a proposal will be read aloud. No other information will be disclosed at the time of opening.

Proposal information is restricted and not publicly available until after award of a contract. All documents associated with the proposal submitted, unless the Offeror indicates a portion of the proposal is proprietary, may be subject to public inspection in accordance with the Texas Public Information Act. Any part of the proposal that you desire to declare as confidential information must be noted as such where the information is found in the proposal. Claims of confidentiality are subject to the opinion of the Texas Office of the Attorney General, should NCTCOG receive an open records request. All information obtained during this solicitation will become property of NCTCOG.

The opening will be on Microsoft Teams as follows:

Microsoft Teams [Need help?](#)

[Join the meeting now](#)

Meeting ID: 226 091 551 507

Passcode: HzxQpz

Dial in by phone

[+1 903-508-4574,,655247115#](#) United States, Tyler

[Find a local number](#)

Phone conference ID: 655 247 115#

SECTION 4: EVALUATION AND AWARD

4.0 TIME FOR EVALUATION

Unless stated otherwise elsewhere in this Request for Proposals, all proposals of qualification submitted shall remain valid for a minimum of 90 calendar days after the due date to allow adequate time for evaluation and award.

4.1 EVALUATION PROCESS

All submissions in response to this solicitation will be evaluated in a manner consistent with the NCTCOG and all applicable rules and policies.

A proposal review committee will be assembled to perform the evaluations. In the initial phase of the evaluation process, the evaluation committee will review all proposals that have been received before the solicitation due date. Nonresponsive submissions (those not conforming to the solicitation requirements) will be eliminated. Each respondent bears sole responsibility for the items included or not included in the response submitted by that respondent. NCTCOG reserves the right to disqualify any submission that includes significant deviations or exceptions to the terms, conditions, and/or specifications in this solicitation.

4.2 BAFO AND CLARIFICATION REQUESTS

Once proposals have been submitted, the NCTCOG evaluates the proposals and determines which of those are determined to be reasonably qualified for award. Those so determined will be reviewed and scored. Clarification requests may be requested of firms where clarifying information is necessary to better understand meaning of any part of a bid submission. Best and final offers ("BAFO") for those reasonably qualified may be obtained by allowing the submission of a BAFO before the final decision is made to award a contract.

NCTCOG reserves the right to be the sole judge as to the overall acceptability of any submission or to judge the individual merits of specific provisions within competing offers.

4.3 ORAL PRESENTATIONS

NCTCOG reserves the right to request a presentation by the firm to supplement their written submission. These presentations will be scheduled, if required, after Proposals are received and prior to the award of the Contract.

4.4 AWARD OF THE CONTRACT

Upon completion of the evaluation process, NCTCOG may award the contracts to one or more respondent(s) whose submission is determined to be the most advantageous to NCTCOG.

4.5 PROPOSAL EVALUATION CRITERIA

The criteria to be used to evaluate submissions are as follows:

Pass/Fail Criteria	Description	Percentage Points
Key Personnel	Points will be awarded on a pass/fail basis for the <u>clear inclusion</u> of the required components of Key Personnel information, as outlined in greater detail in Section 6.0 .	Pass/Fail – 5%
References	Points will be awarded on a pass/fail basis for the <u>clear inclusion</u> of the required information regarding References , as outlined in greater detail in Section 6.0 .	Pass/Fail - 5%
Weighted Scoring Criteria		Weighted Maximum Percentage Points
Project-Related Experience and Qualifications	Points will be awarded based on the <u>clear inclusion and quality of response</u> of response regarding the required information regarding Project-Related Experience and Qualifications , as outlined in greater detail in Section 6.0 .	20%
Technical Proposal	Points will be awarded based on the <u>clear inclusion and quality of response</u> regarding the required details of the Technical Proposal , as outlined in greater detail in Section 6.0 .	50%
Proposal Pricing	Points will be awarded based on responses to Exhibit 1 - Pricing , as outlined in greater detail in Section 6.0 .	20%
TOTAL POSSIBLE PERCENTAGE POINTS		100%
Additional Points Criteria		Additional Points
Proof of HUB Certification	Points will be awarded upon submission of <u>proof of certification</u> as a Historically Underutilized Business (HUB), Minority, Women-Owned or Disadvantaged Business Enterprise.	5 points

SECTION 5: SPECIFICATIONS

5.0 SCOPE OF WORK

The desired outcome of this solutions-based RFP is to retain a contractor(s) to supply municipalities, counties, school districts and other government agencies with the services listed below on an as-needed basis:

Service Category #1: Water Storage Tank Inspection Services – to include, but no limited to:

- Conducting thorough visual inspection of the tank's interior and exterior.
- Assessment of structural integrity, including checking for corrosion, leaks, and other damages.
- Evaluation of the tank's coatings and linings.
- Assess structural integrity, safety and compliance with relevant regulations.
- Provide detailed reports of findings, including underwater inspection videos, photographs and recommendations for repairs and maintenance.
- Ensure all inspections are compliant with industry standards and regulations such as American Water Works Association (AWWA) and Texas Commission on Environmental Quality (TCEQ).

Service Category #2: Water Storage Tank Cleaning Services - to include, but not limited to:

- Perform routing cleaning of water storage tanks.
- Removal of sediment, debris, and biofilm from the tank interior.
- Disinfection of the tank to eliminate microbial contamination.
- Safe disposal of all waste materials in accordance with local regulations.
- Disinfect tanks using approved methods to ensure water quality and safety.
- Document cleaning procedures and submit a comprehensive report detailing the cleaning activities, findings, and recommendations for any necessary repairs or maintenance upon completion.

Service Category #3: Other Ancillary Goods or Services – may include, but not limited to:

- Emergency Response Services
- Leak Detection and Repair
- Coating and Lining Services
- Structural Repairs
- Sediment Analysis
- Water Quality Testing
- Drone Inspections
- Bypass Solutions
- Offer recommendations for upgrades or modifications to improve tank performance.
- Assist with regulatory compliance documentation and reporting.

Proposing vendors shall provide one or more of the categories of products and services including, but not limited to, water storage tank inspection, cleaning services, and other ancillary goods and services. In your proposal narrative, please explain which category or categories you are proposing. Include a detailed proposal that describes how the proposed services will be performed. Proposals must demonstrate the respondent's capability to provide **all or part** of the requested services. A Respondent's proposal will be evaluated only for the products and services that they propose.

NCTCOG reserves the right to select the proposal or proposals offering the most advantageous combination, with price and other evaluation criteria considered. Respondent should furnish pricing related to each item on which Respondent wishes to propose, and either leave the questions for other items unanswered (blank) or indicate "No Bid." The NCTCOG will consider items individually and make awards on each item independently.

5.1 SPECIAL REQUIREMENTS

The following are special conditions and specifications that apply to this RFP.

Please understand that there is no specific project ready currently. This is for work to be determined in the future on an as-needed basis. The work to be performed under this contract will be defined on a project-by-project basis through a supplemental order from the Customer.

5.1.1 Contractor's Responsibilities

The Contractor shall furnish all labor, tools, equipment, materials, supplies and mobilization required to effectively perform the required services in accordance with the specifications described herein. All travel time or mileage is the responsibility of the Contractor.

The Contractor shall comply with the Social Security Act, Workers' Compensation laws and Unemployment laws of the State under which it is operating in as all State, Local and Federal legislation, rules and regulations associated with maintenance and construction relevant to the Contractor's business for the term of this contract.

The Contractor shall cooperate fully with the Customer, county, municipal, and local government officials, and all such others as may be required in the performance of this Contract. This includes attending meetings, discussions, and hearings, as required; presenting data as requested from time to time by the Customer to facilitate cooperation; and compliance with all directives issued by the Customer.

The Contractor certifies they have all authorizations required by, and will comply with any and all rules and regulations established by any federal, state or local authority having jurisdiction over the services to be performed including, but not limited to, any applicable laws, rules and regulations relating to public water supplies and water utility systems or components thereof, and persons performing duties relating to such public water supplies and water utility systems or components.

5.1.2 General Safety Requirements

The contractor shall adhere to all safety requirements outlined in this RFP.

1. General Safety Requirements
 - a. All items and work proposed must comply with and be conducted in compliance with current applicable OSHA safety regulations and any other applicable local, state, or federal safety standards.
 - b. The contractor is responsible for ensuring that all personnel are properly trained and equipped to perform their duties safely.
2. Deviation from Industry Standard
 - a. Deviations from industry standards must be identified with an explanation of how the equipment, products, and services will provide equivalent function, coverage, performance, and/or related services.
3. Personal Protective Equipment
 - a. Contractors are required to provide and enforce the use of appropriate PPE, including but not limited to hard hats, gloves, safety glasses, and harnesses.
 - b. All PPE must be maintained in good condition and meet industry standards.
4. Confined Space Entry
 - a. For inspections and cleaning that require entry into confined spaces, the contractor must adhere to confined space entry protocols.
 - b. A permit system must be used, and all personnel must be trained in confined space entry procedures.
 - c. Atmospheric testing and continuous monitoring must be conducted to ensure safety.
5. Equipment Safety
 - a. All equipment used for inspection and cleaning must be inspected and maintained regularly.

- b. The contractor must ensure that all equipment meets safety standards and is operated by qualified personnel.
- 6. Safety Training
 - a. The contractor must provide documentation that all employees involved in the project have completed relevant safety training.
 - b. Training should include, but not be limited to hazard recognition, emergency response, and specific procedures related to water tank inspection and cleaning.

5.3 OTHER REQUIREMENTS

5.3.1 Objectives.

The Master Agreement awarded for TXShare may cover a variety of services. Each Customer that selects to utilize the Master Agreement will negotiate the specific services it needs into a Supplemental Agreement with a customized SOW for that Customer. All proposals must be made based on, and either meet or exceed, the requirements contained herein.

5.3.2 Service Area.

In preparing a proposal, you will designate what geographic region(s) will be served. You must specify, on the service area designation forms included with their proposal, the service areas that they are willing and able to provide goods and services to. A vendor does not have to propose to service the entire State of Texas, nor have to propose to service all fifty (50) states, to be considered for an award of a TXShare contract.

Service area designation forms are found in **Exhibit 3**.

5.3.3 Service Category Offer.

You should prepare a proposal that describes in detail the goods or services that you are proposing to provide. Proposals must demonstrate your capability to provide all or part of the requested services. A proposal will be evaluated only for the services it proposes.

5.4 CONTRACT TYPE

If awarded, your proposal will result in a fixed price contract based on submitted pricing you propose.

5.5 CONTRACT TERM

A contract resulting from this RFP shall be effective for 24 months from the date of award. This contract will automatically renew for up to three (3) additional one-year periods, not to exceed five (5) years in total, unless earlier terminated as provided herein. NCTCOG reserves the right not to renew at its discretion.

5.6 WARRANTY/GUARANTEE

Please state in your proposal what warranty or guarantee may apply to the goods or services you are proposing.

5.7 CATALOGS

Responding Offerors are requested to submit a proposal that will contain a schedule of goods or services line that would qualify under one or more of the Categories stated in Section 5.0 of these specifications. This schedule is commonly referred to as a “catalog”.

Catalogs contain a range of items that are published in either an electronic or hard copy form and are modified from time to time to reflect internal and external changes in the vendor’s marketplace. It is at the vendor’s discretion to propose any limitations of the goods or services offered. A good or service offered must be listed in the catalog to be eligible for sale through a Category of the awarded contract.

Catalogs are to be submitted with the proposal and may be provided electronically using either a PDF document or web link. Use a spreadsheet or a searchable document containing the pricing information. A physically delivered hard copy of the catalog is NOT acceptable.

Catalogs may be priced with a percentage discount or a fixed unit price. Pricing may be one or multiple tiers of varying discounts based on purchase quantity.

5.8 QUALITY

It is expected that you have knowledge of all applicable industry standards, laws, and regulations such as American Water Works Association (AWWA) and Texas Commission on Environmental Quality (TCEQ) and possess the experience and ability to market and distribute the goods or services to members of the cooperative.

5.9 NEW GOODS AND SERVICES

New goods and services may be added to the resulting contract(s) during the term of the contract by written amendment, to the extent that those goods or services are within the scope of this RFP and include, but will not be limited to, new services added to the manufacturer's list offerings, and services which reflect new technology and improved functionality. Service Categories or individual items of a fixed price nature are subject to review and approval of the NCTCOG before addition to the contract. Individual items added to catalog awards do not require prior approval of the NCTCOG.

5.10 ALL OR NOTHING AWARD

"All or nothing" proposals are not acceptable and will be rejected. You must be willing to accept a partial award for any combination of the Categories proposed at the discretion of the NCTCOG.

The NCTCOG may award contracts to multiple Offerors supplying comparable goods or services, also known as a multiple award schedule, or award the contract to a single vendor. The NCTCOG's decision to make multiple awards or a single award will be based upon its sole discretion regarding the type of award that provides best value.

5.11 PRICING

When preparing your pricing, you should furnish pricing for each Category proposed and state "No Bid" for any Categories or sub-Categories you will not offer. NCTCOG will consider Categories individually and may make awards on each Category independently. NCTCOG reserves the right to select the proposal or proposals offering the most advantageous combination, with price and other evaluation criteria considered.

NOTE: The final negotiated pricing (or discount) will be incorporated into the Master Services Agreement with the awarded vendor(s). The pricing information provided in your proposal will be public information and will not be accepted marked as proprietary or confidential.

5.11.1 Category Discount

Responding Offerors are requested to submit a proposal that will contain specific goods or services that would qualify under the Categories listed. A minimum percentage discount is to be stated for each Category. This is commonly referred to as "discount pricing".

The catalog offering a percentage discount should identify which Category of goods or services are covered by the catalog and the corresponding minimum percentage discounts that apply. The discounts may be broken down by category and quantity, as well as by subcategory or tier (to the extent of the proposer's choosing). The Proposer may be creative in the percentage tier discounts to the extent deemed appropriate.

A link to the schedule of list pricing for all catalog items must be provided with the initial contract during execution, and whenever the list pricing is updated. By providing the current list pricing, a potential Customer can determine the maximum cost for each item by multiplying the contractually awarded minimum percentage discount times the current published list price. The current published list price will be posted on the awarded Contractor's landing page on the TXShare website.

Changes to a percentage discount catalog that add, modify, or delete items during the term of the contract are allowed at any time and without prior approval by NCTCOG. However, the minimum percentage discount list price is fixed and may only change through execution of a contract amendment. The awarded Contractor however does have the option to allow a greater percentage discount when negotiating a purchase with the Customer.

A discount percentage off of list is considered to be a minimum discount, so the awarded Contractor is free to offer greater percentage discounts to a Customer as part of a purchase negotiation. A zero discount off catalog proposal is acceptable but may put the Contractor at a disadvantage when the Customer is comparing prices among competing Contractors. The Contractor may lower the unit price or increase the minimum discount percentage to be more competitive in a particular situation.

It is recommended that when offering a wide variety of goods and services that you propose a catalog percentage discount for all items in that Category (except any specific items specifically stated as excluded). Discount pricing also negates the need for submitting a request to amend unit prices every time there is a price increase for the good or service, as the contract will be awarded for the percentage discount and not for a specific unit price.

Any goods or services that are not specifically listed in the awarded Category catalog is ineligible to be sold under the contract except under Category “Optional Ancillary Goods and Services”. These “goods or services not specifically listed” items, which are priced at a discount off of list price, may be only sold in companion with other goods and services specifically stated in the catalog under one of the other Categories. Goods or services that are listed under any Category, including Optional Ancillary Goods and Services, may be sold as stand-alone items.

Note: As previously stated, percentage discounts from list price are allowed but a markup percentage from cost is not, as this method is not allowable for purchases made via Federal grant money. Prices stated as a markup from cost are a cause for disqualification of those portions of your proposal.

Note: You may stipulate different discounts off different products or types of service (subcategories) within each Category, provided you clearly indicate how the different discounts apply to which goods or service subcategories.

5.11.2 General Proposal Information

You must clearly identify which Category your pricing submittal applies to.

You have the option (but are not required) to propose ancillary optional goods or services. Examples are similar product lines, inside delivery, set up, installation, maintenance agreements, travel costs, and other similar goods and services that are not specifically covered by any of the other PRICING CATEGORIES listed in the RFP. Please provide adequate information explaining what the ancillary good or service consists of.

Any good and or service that your business sells, and reasonably meets one of the category descriptions of this RFP, may be proposed. However, they all require pricing by either unit price or discount from list in the proposal. The list pricing may be by a schedule attached to your proposal or by a weblink to your business catalog. The pricing information, including link, is to be attached to the Bid Price Worksheet included in this RFP.

NOTE: Only goods or services categories that have pricing submitted in the proposal (either by unit cost or percentage discount off of list) are eligible for purchase through a contract award. You may propose pricing in a manner that works best for you to prepare your customized quotes to customers, but the pricing must be stated in such a manner that must be capable of audit by the customer.

- For example, if you propose a discount off list, then your current list price card for the items proposed must be made available so that the customer can calculate the contract price. Such would mean if you

were proposing “10% discount off list price of tables”, then you must provide with your proposal the current list price for tables offered under the contract.

- 5.11.3 Exhibit 1 Categories Offered – All bidders must complete this form to indicate which categories they are offering in their proposal. Check the appropriate box. If you are offering an “Other Ancillary Good or Service”, you must list those goods and services under this Category in order for the goods or services to be considered for award. Failure by the responding vendor to submit the clarifications by the deadline requested may result in disqualification of the proposal.

Note that not all RFPs will contain an Exhibit Price Sheet.

- 5.11.4 Market Basket - For Evaluation Purposes Only (If Required).

FOR EVALUATION PURPOSES ONLY: Respondents are asked to fill out and return a copy of the Sample Market Basket Pricing Form, included as **Exhibit 2** in this RFP package. This item is used to evaluate a Respondent’s ‘best value’ as opposed to raw percentage discounts and is what is used to score your proposed pricing. This item will not be considered or used beyond evaluation purposes. Respondents are not required to fill out the entirety of the form – e.g., if a Respondent does not offer all the items listed, they are asked to only fill out those that they do provide.

Respondents are not expected to be able to provide the entirety of the desired goods and/or services, though are welcome to if they are able.

- 5.11.5 Price Escalation/De-escalation.

The unit pricing (or discount percentage) proposed by the Offeror shall be of a fixed price nature for the first six (6) months of the contract. Escalation requests may be made no more than every ninety (90) days and are subject to mutual written amendment to the contract between NCTCOG and the contractor. It is the responsibility of the contractor to petition NCTCOG changes to the pricing structure. The awarded contractor must provide upon request such supporting documentation as TXShare may require that justifies the requested price escalation.

A price change (based on the Bureau of Labor Statistics, Consumer Price Index escalation) may be considered. Price changes may not exceed the most recent 12-month CPI-U table. Request for increases must be submitted in writing for consideration. Should the price change be granted and the NCTCOG accepts, a written amendment will be executed.

Price decreases (or discount percentage increase) may be made at any time and without written agreement. Further, the awarded vendor may negotiate more favorable pricing terms with the individual customer based on quantity or other conditions of purchase without seeking approval from NCTCOG. Change to unit prices in a contract must be approved via mutual execution of an amendment to the contract. In the event of price decreases, an executed amendment is not required. If applicable, a copy of, or link to, the vendor’s current pricelist should be submitted with the Proposal.

- 5.11.6 Sales Tax & Freight.

Do not include sales tax in proposal pricing. Nearly all Customers will be tax exempt. Freight/shipping cost should be addressed in your pricing. There is full flexibility on the vendor’s behalf as to whether these costs are included in the price, or an additional charge to be determined at the time of the negotiation between the Contractor and Customer. However, this must be stated up front at the time of the submission of the proposal. Failure to state the method in the proposal will result in a default assumption of “additional charge” for freight/shipping costs when evaluating the proposal.

5.12 INDIVIDUAL CUSTOMER REQUIREMENTS

Other requirements may be negotiated by the Customer with the awarded contractor as part of the individual Customer orders such as performance & payment bonds, maintenance bond, wage rates, local work requirements, adjusted insurance requirements, etc. which may affect final quotation cost.

5.13 PROFESSIONAL SERVICES

The scope of services in this RFP and any resulting contract award do not include services that are required to be procured under the Professional Services Procurement Act, Chapter 2254 of the Texas Government Code, including without limitation architecture and professional engineering services. Professional services must be procured by TXShare members separately.

SECTION 6: HOW TO SUBMIT YOUR PROPOSAL

6.0 INSTRUCTIONS FOR RESPONDENTS

Please provide a written response regarding your ability to meet each requirement as outlined in the Specifications (Section 5). Include any additional pertinent information on how your proposed solution meets each requirement. Provide any pertinent additional functionality and/or services not outlined in the Scope of Work that you wish to offer.

Important Note: Your proposal must consist of your responses to the Required Response Information outlined below and completed Attachments I-X.

Required Response Information

Each section of information should be *clearly defined* using the following section or heading titles:

Certificate of Offeror and Statement of Understanding

The initial submission pages of your proposal will consist of:

1. Addenda acknowledgement and signature of authorized representative (page 1 of this solicitation document)
2. A brief statement of the respondent's understanding of the work to be done or desired deliverables requested in the solicitation.

Key Personnel

If applicable in providing services under this contract, attach statements of qualifications or resumes for all **managers, supervisors, and other team members** who will be involved in the management of the delivery of goods or services under this RFP. Please reference which staff possess the requested security certificates referenced in Section 5.0 and Exhibit 1.

References

Include at least four (4) recent references for customers (preferably public agencies) for whom you have provided services similar to those requested in this solicitation within the last five (5) years. Please include the organization's name (if applicable), contact person, phone number, and email address for each reference. NCTCOG reserves the right to contact or visit any of the respondent's current and/or past customers to evaluate the level of performance and customer satisfaction.

Project-Related Experience and Qualifications

Proposals will be evaluated on the basis of experience in performing the requested goods/services.

Provide a written response regarding **organization's and/or individual's** ability to meet each requirement as outlined in the Scope of Work (Section 5.0). Include a brief statement of the respondent's background, including years in business, for the requested services and any additional pertinent information on how your proposed solution meets each requirement. Provide any pertinent additional functionality and/or services not outlined in the Scope of Work that you wish to offer. It should also clearly indicate any major requirements that cannot be met by the organization or individual.

If applicable, identify any subcontractors or third-party services that are utilized in the performance of fulfilling this RFP. Provide a general explanation and chart which specifies project leadership and reporting responsibilities, and how the team will interface with NCTCOG and Participating Entities' project management and team personnel.

Technical Proposal

This section should constitute the major portion of the submittal. Respondent's proposal should detail their capabilities, knowledge and skills related to the desired deliverables and expectations as outlined in Section 5.0: Specifications and Exhibit 1.

Failure to provide written response to items indicated in this section will be interpreted by NCTCOG as an *inability* by the firm to provide the requested product, service or function.

Additional consideration may be allocated upon the following:

1. Description of the services for which the Proposer is able to provide. In responding, please use the categories identified in Exhibit 1 of this RFP.
2. Description of the Proposer's process for responding to an order for product.
3. Description of the Proposer's customer satisfaction services, to include any warranty and/or repair capabilities.
4. Description of the Proposer's invoicing process used by the Proposer.
5. Any assumptions made in responding to the requirements.
6. Any exceptions to the requirements. If there are no exceptions, Proposer shall explicitly state that no exceptions are taken to any part of this RFP. Offer must be in compliance with stated terms and conditions unless NCTCOG accepts identified exceptions of the Proposer.
7. Any special features or services the Proposer is proposing in response to the requirements that are included within the pricing provided.

Pricing

Respondents should furnish a proposal that specifies pricing for the services they propose. For more information, please refer to **Exhibit 1**.

Points will be awarded on the basis of the competitiveness of the Cost Proposal. <OR>

Points will be awarded on the basis of the overall cost effectiveness and clarity in identifying/explaining costs.

HUB Bonus – 5 additional points will be awarded upon submission of proof of certification as a Historically Underutilized Business (HUB), Minority, Women-Owned or Disadvantaged Business Enterprise.

Required Attachments - Please include signed copies of all ATTACHMENTS (beginning with ATTACHMENT I) appended to the back of this solicitation document. All attachments must be submitted with the proposal, or the proposal may be disqualified as nonresponsive. If an attachment does not apply, please mark as "Not Applicable" and submit with the proposal.

REQUIRED ATTACHMENT CHECKLIST

Please utilize this checklist to ensure that all required attachments are included with your proposal. IF AN ATTACHMENT DOES NOT APPLY, PLEASE MARK AS “**NOT APPLICABLE**” AND SUBMIT WITH THE PROPOSAL. FAILURE TO SUBMIT **ALL REQUIRED DOCUMENTS** MAY NEGATIVELY IMPACT YOUR EVALUATION SCORE.

- ☐ Page 1 - Cover Sheet
- ☐ Page 21 - Attachment I: Instructions for Proposals Compliance and Submittal
- ☐ Page 22 - Attachment II: Certification of Offeror
- ☐ Page 23 - Attachment III: Certification Regarding Debarment
- ☐ Page 24 - Attachment IV: Restrictions on Lobbying
- ☐ Page 26 - Attachment V: Drug-Free Workplace Certification
- ☐ Page 27 - Attachment VI: Certification Regarding Disclosure of Conflict of Interest
- ☐ Page 30 - Attachment VII: Certification of Fair Business Practices
- ☐ Page 31 - Attachment VIII: Certification of Good Standing Texas Corporate Franchise Tax Certification
- ☐ Page 32 - Attachment IX: Historically Underutilized Businesses, Minority Or Women-Owned Or Disadvantaged Business Enterprises
- ☐ Page 33 - Attachment X: Federal and State of Texas Required Procurement Provisions
- ☐ Page 36 - Exhibit 1: Description of Desired Product Categories for Proposed Pricing
- ☐ Page 38 - Exhibit 2: Sample Market Basket Form
- ☐ Page 39 – Exhibit 3: Service Area Designation Forms

Respondent recognizes that all proposals must be submitted electronically through Public Purchase by the RFP due date and time. All other forms of submissions will be deemed nonresponsive and will not be opened or considered.

**ATTACHMENT I: INSTRUCTIONS
FOR PROPOSALS COMPLIANCE AND SUBMITTAL**

Compliance with the Solicitation

Submissions must be in strict compliance with this solicitation. Failure to comply with all provisions of the solicitation may result in disqualification.

By signing this proposal, you certify that you have obtained and will continue to maintain during the entire term of this contract, all permits, approvals, or licenses, necessary for lawful performance of its obligations under this contract.

Compliance with the NCTCOG Standard Terms and Conditions

By signing its submission, Offeror acknowledges that it has read, understands and agrees to comply with the NCTCOG standard terms and conditions.

Acknowledgment of Insurance Requirements

By signing its submission, Offeror acknowledges that it has read and understands the insurance requirements for the submission. Offeror also understands that the evidence of required insurance must be submitted within ten (10) working days following notification of its offer being accepted; otherwise, NCTCOG may rescind its acceptance of the Offeror's proposals. The insurance requirements are outlined in Section 2.2 - General Terms and Conditions.

Name of Organization/Contractor(s):

Signature of Authorized Representative:

Date: _____

ATTACHMENT II: CERTIFICATIONS OF OFFEROR

I hereby certify that the information contained in this proposal and any attachments is true and correct and may be viewed as an accurate representation of proposed services to be provided by this organization. I certify that no employee, board member, or agent of the North Central Texas Council of Governments has assisted in the preparation of this proposal. I acknowledge that I have read and understand the requirements and provisions of the solicitation and that the organization will comply with the regulations and other applicable local, state, and federal regulations and directives in the implementation of this contract.

I also certify that I have read and understood all sections of this solicitation and will comply with all the terms and conditions as stated; and furthermore that I, _____(typed or printed name) certify that I am the _____(title) of the corporation, partnership, or sole proprietorship, or other eligible entity named as offeror and respondent herein and that I am legally authorized to sign this offer and to submit it to the North Central Texas Council of Governments, on behalf of said offeror by authority of its governing body.

Name of Organization/Contractor(s):

Signature of Authorized Representative:

Date: _____

**ATTACHMENT III: CERTIFICATION
REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS**

This certification is required by the Federal Regulations Implementing Executive Order 12549, Debarment and Suspension, 45 CFR Part 93, Government-wide Debarment and Suspension, for the Department of Agriculture (7 CFR Part 3017), Department of Labor (29 CFR Part 98), Department of Education (34 CFR Parts 85, 668, 682), Department of Health and Human Services (45 CFR Part 76).

The undersigned certifies, to the best of his or her knowledge and belief, that both it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency;
2. Have not within a three-year period preceding this contract been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or Local) transaction or contract under a public transaction, violation of federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false Proposals, or receiving stolen property;
3. Are not presently indicated for or otherwise criminally or civilly charged by a government entity with commission of any of the offense enumerated in Paragraph (2) of this certification; and,
4. Have not within a three-year period preceding this contract had one or more public transactions terminated for cause or default.

Where the prospective recipient of federal assistance funds is unable to certify to any of the qualifications in this certification, such prospective recipient shall attach an explanation to this certification form.

Name of Organization/Contractor(s):

Signature of Authorized Representative:

Date: _____

ATTACHMENT IV: RESTRICTIONS ON LOBBYING

Section 319 of Public Law 101-121 prohibits recipients of federal contracts, grants, and loans exceeding \$100,000 at any tier under a federal contract from using appropriated funds for lobbying the Executive or Legislative Branches of the federal government in connection with a specific contract, grant, or loan. Section 319 also requires each person who requests or receives a federal contract or grant in excess of \$100,000 to disclose lobbying.

No appropriated funds may be expended by the recipient of a federal contract, loan, or cooperative agreement to pay any person for influencing or attempting to influence an officer or employee of any federal executive department or agency as well as any independent regulatory commission or government corporation, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any of the following covered federal actions: the awarding of any federal contract, the making of any federal grant, the making of any federal loan the entering into of any cooperative agreement and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.

As a recipient of a federal grant exceeding \$100,000, NCTCOG requires its subcontractors of that grant to file a certification, set forth in Appendix B.1, that neither the agency nor its employees have made, or will make, any payment prohibited by the preceding paragraph.

Subcontractors are also required to file with NCTCOG a disclosure form, set forth in Appendix B.2, if the subcontractor or its employees have made or have agreed to make any payment using nonappropriated funds (to include profits from any federal action), which would be prohibited if paid for with appropriated funds.

**LOBBYING CERTIFICATION
FOR CONTRACTS, GRANTS, LOANS, AND COOPERATIVE AGREEMENTS**

The undersigned certifies, to the best of his or her knowledge or belief, that:

1. No federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an officer or employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal loan, the entering into of any cooperative Contract, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative contract; and
2. If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this federal contract, grant, loan, and or cooperative contract, the undersigned shall complete and submit Standard Form – LLL, “Disclosure Form to Report Lobbying”, in accordance with the instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers and that all sub-recipients shall certify accordingly.

Name of Organization/Contractor(s):

Signature of Authorized Representative:

Date: _____

ATTACHMENT V: DRUG-FREE WORKPLACE CERTIFICATION

The _____ (company name) will provide a Drug Free Work Place in compliance with the Drug Free Work Place Act of 1988. The unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited on the premises of the _____ (company name) or any of its facilities. Any employee who violates this prohibition will be subject to disciplinary action up to and including termination. All employees, as a condition of employment, will comply with this policy.

CERTIFICATION REGARDING DRUG-FREE WORKPLACE

This certification is required by the Federal Regulations Implementing Sections 5151-5160 of the Drug-Free Workplace Act, 41 U.S.C. 701, for the Department of Agriculture (7 CFR Part 3017), Department of Labor (29 CFR Part 98), Department of Education (34 CFR Parts 85, 668 and 682), Department of Health and Human Services (45 CFR Part 76).

The undersigned subcontractor certifies it will provide a drug-free workplace by:

Publishing a policy Proposal notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace and specifying the consequences of any such action by an employee;

Establishing an ongoing drug-free awareness program to inform employees of the dangers of drug abuse in the workplace, the subcontractor's policy of maintaining a drug-free workplace, the availability of counseling, rehabilitation and employee assistance programs, and the penalties that may be imposed on employees for drug violations in the workplace;

Providing each employee with a copy of the subcontractor's policy Proposal;

Notifying the employees in the subcontractor's policy Proposal that as a condition of employment under this subcontract, employees shall abide by the terms of the policy Proposal and notifying the subcontractor in writing within five days after any conviction for a violation by the employee of a criminal drug abuse statute in the workplace;

Notifying the Board within ten (10) days of the subcontractor's receipt of a notice of a conviction of any employee; and,

Taking appropriate personnel action against an employee convicted of violating a criminal drug statute or requires such employee to participate in a drug abuse assistance or rehabilitation program.

Name of Organization/Contractor(s):

Signature of Authorized Representative:

Date: _____

ATTACHMENT VI: DISCLOSURE OF CONFLICT OF INTEREST
CERTIFICATION REGARDING DISCLOSURE OF CONFLICT OF INTEREST

The undersigned certifies that, to the best of his or her knowledge or belief, that:

“No employee of the contractor, no member of the contractor’s governing board or body, and no person who exercises any functions or responsibilities in the review or approval of the undertaking or carrying out of this contract shall participate in any decision relating to this contract which affects his/her personal pecuniary interest.

Executives and employees of contractor shall be particularly aware of the varying degrees of influence that can be exerted by personal friends and associates and, in administering the contract, shall exercise due diligence to avoid situations which give rise to an assertion that favorable treatment is being granted to friends and associates. When it is in the public interest for the contractor to conduct business with a friend or associate of an executive or employee of the contractor, an elected official in the area or a member of the North Central Texas Council of Governments, a permanent record of the transaction shall be retained.

Any executive or employee of the contractor, an elected official in the area or a member of the NCTCOG, shall not solicit or accept money or any other consideration from a third person, for the performance of an act reimbursed in whole or part by contractor or Department. Supplies, tools, materials, equipment or services purchased with contract funds shall be used solely for purposes allowed under this contract. No member of the NCTCOG shall cast a vote on the provision of services by that member (or any organization which that member represents) or vote on any matter which would provide a direct or indirect financial benefit to the member or any business or organization which the member directly represents”.

No officer, employee or paid consultant of the contractor is a member of the NCTCOG.

No officer, manager or paid consultant of the contractor is married to a member of the NCTCOG.

No member of NCTCOG directly owns, controls or has interest in the contractor.

The contractor has disclosed any interest, fact, or circumstance that does or may present a potential conflict of interest.

No member of the NCTCOG receives compensation from the contractor for lobbying activities as defined in Chapter 305 of the Texas Government Code.

Should the contractor fail to abide by the foregoing covenants and affirmations regarding conflict of interest, the contractor shall not be entitled to the recovery of any costs or expenses incurred in relation to the contract and shall immediately refund to the North Central Texas Council of Governments any fees or expenses that may have been paid under this contract and shall further be liable for any other costs incurred or damages sustained by the NCTCOG as it relates to this contract.

Name of Organization/Contractor(s):

Signature of Authorized Representative:

Date: _____

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

FORM CIQ

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 Name of vendor who has a business relationship with local governmental entity.

2 ☐ Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 Name of local government officer about whom the information is being disclosed.

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

☐ Yes

☐ No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes

☐ No

5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7

Signature of vendor doing business with the governmental entity

Date

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at <http://www.statutes.legis.state.tx.us/Docs/LG/htm/LG.176.htm>. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

- (A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or an agency of a federal, state, or local governmental entity;
- (B) a transaction conducted at a price and subject to terms available to the public; or
- (C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency and that is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

- (a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or a family member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds \$2,500 during the 12-month period preceding the date that the officer becomes aware that:

- (i) a contract between the local governmental entity and vendor has been executed;
- or
- (ii) the local governmental entity is considering entering into a contract with the vendor;

(B) has given to the local government officer or a family member of the officer one or more gifts that have an aggregate value of more than \$100 in the 12-month period preceding the date the officer becomes aware that:

- (i) a contract between the local governmental entity and vendor has been executed; or
- (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

- (a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

- (1) has an employment or other business relationship with a local government officer of that local governmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);
- (2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or
- (3) has a family relationship with a local government officer of that local governmental entity.

(a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(1) the date that the vendor:

- (A) begins discussions or negotiations to enter into a contract with the local governmental entity; or
- (B) submits to the local governmental entity an application, response to a request for proposals or bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(2) the date the vendor becomes aware:

- (A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);
- (B) that the vendor has given one or more gifts described by Subsection (a); or
- (C) of a family relationship with a local government officer.

ATTACHMENT VII: CERTIFICATION OF FAIR BUSINESS PRACTICES

That the submitter has not been found guilty of unfair business practices in a judicial or state agency administrative proceeding during the preceding year. The submitter further affirms that no officer of the submitter has served as an officer of any company found guilty of unfair business practices in a judicial or state agency administrative during the preceding year.

Name of Organization/Contractor(s):

Signature of Authorized Representative:

Date:_____

**ATTACHMENT VIII: CERTIFICATION OF GOOD STANDING
TEXAS CORPORATE FRANCHISE TAX CERTIFICATION**

Pursuant to Article 2.45, Texas Business Corporation Act, state agencies may not contract with for profit corporations that are delinquent in making state franchise tax payments. The following certification that the corporation entering into this offer is current in its franchise taxes must be signed by the individual authorized on Form 2031, Corporate Board of Directors Resolution, to sign the contract for the corporation.

The undersigned authorized representative of the corporation making the offer herein certified that the following indicated Proposal is true and correct and that the undersigned understands that making a false Proposal is a material breach of contract and is grounds for contract cancellation.

Indicate the certification that applies to your corporation:

_____ The Corporation is a for-profit corporation and certifies that it is not delinquent in its franchise tax payments to the State of Texas.

_____ The Corporation is a non-profit corporation or is otherwise not subject to payment of franchise taxes to the State of Texas.

Type of Business (if not corporation): ☐ Sole Proprietor

☐ Partnership

☐ Other

Pursuant to Article 2.45, Texas Business Corporation Act, the North Central Texas Council of Governments reserves the right to request information regarding state franchise tax payments.

(Printed/Typed Name and Title of Authorized Representative)

Signature

Date: _____

**ATTACHMENT IX: HISTORICALLY UNDERUTILIZED BUSINESSES,
MINORITY OR WOMEN-OWNED OR DISADVANTAGED BUSINESS ENTERPRISES**

Historically Underutilized Businesses (HUBs), minority or women-owned or disadvantaged businesses enterprises (M/W/DBE) are encouraged to participate in the solicitation process.

NCTCOG recognizes the certifications of most agencies. HUB vendors must submit a copy of their certification for consideration during the evaluation of their proposal. Please attach the copy to this form. This applies only to the Offeror and not a subcontractor.

Texas vendors who are not currently certified are encouraged to contact either the Texas United Certification Program, State of Texas HUB Program, or the North Central Texas Regional Certification Agency, among others. Contact:

State of Texas HUB Program
Texas Comptroller of Public Accounts
Lyndon B. Johnson State Office Building
111 East 17th Street
Austin, Texas 78774
(512) 463-6958
<http://www.window.state.tx.us/procurement/prog/hub/>

North Central Texas Regional Certification Agency
624 Six Flags Drive, Suite 100
Arlington, TX 76011
(817) 640-0606
<http://www.nctrca.org/certification.html>

Texas United Certification Program
USDOT website at
<https://www.transportation.gov/DBE>

You must include a copy of your certification document as part of this solicitation to receive points in the evaluation.

Vendor to Sign Below to Attest to Validity of Certification:

Vendor Name

Authorized Signature

Typed Name

Date

**ATTACHMENT X: NCTCOG FEDERAL AND STATE OF TEXAS
REQUIRED PROCUREMENT PROVISIONS**

The following provisions are mandated by Federal and/or State of Texas law. Failure to certify to the following will result in disqualification of consideration for contract. Entities or agencies that are not able to comply with the following will be ineligible for consideration of contract award.

**PROHIBITED TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT
CERTIFICATION**

This Contract is subject to the Public Law 115-232, Section 889, and 2 Code of Federal Regulations (CFR) Part 200, including §200.216 and §200.471, for prohibition on certain telecommunications and video surveillance or equipment. Public Law 115-232, Section 889, identifies that restricted telecommunications and video surveillance equipment or services (e.g., phones, internet, video surveillance, cloud servers) include the following:

- A) Telecommunications equipment that is produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliates of such entities).
- B) Video surveillance and telecommunications equipment produced by Hytera Communications Corporations, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliates of such entities).
- C) Telecommunications or video surveillance services used by such entities or using such equipment.
- D) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, Director of the National Intelligence, or the Director of the Federal Bureau of Investigation reasonably believes to be an entity owned or controlled by the government of a covered foreign country. The entity identified below, through its authorized representative, hereby certifies that no funds under this Contract will be obligated or expended to procure or obtain telecommunication or video surveillance services or equipment or systems that use covered telecommunications equipment or services as a substantial or essential component of any system, or as a critical technology as part of any system prohibited by 2 CFR §200.216 and §200.471, or applicable provisions in Public Law 115-232 Section 889.

☐ The Contractor or Subrecipient hereby certifies that it does comply with the requirements of 2 CFR §200.216 and §200.471, or applicable regulations in Public Law 115-232 Section 889.

SIGNATURE OF AUTHORIZED PERSON:

NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE:

-OR-

☐ The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of 2 CFR §200.216 and §200.471, or applicable regulations in Public Law 115-232 Section 889.

SIGNATURE OF AUTHORIZED PERSON:

NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE:

DISCRIMINATION AGAINST FIREARMS ENTITIES OR FIREARMS TRADE ASSOCIATIONS

This contract is subject to the Texas Local Government Code chapter 2274, Subtitle F, Title 10, prohibiting contracts with companies who discriminate against firearm and ammunition industries.

TLGC chapter 2274, Subtitle F, Title 10, identifies that “discrimination against a firearm entity or firearm trade association” includes the following:

- A) means, with respect to the entity or association, to:
- I. refuse to engage in the trade of any goods or services with the entity or association based solely on its status as a firearm entity or firearm trade association; and
 - II. refrain from continuing an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association; or
 - III. terminate an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association.
- B) An exception to this provision excludes the following:
- I. contracts with a sole-source provider; or
 - II. the government entity does not receive bids from companies who can provide written verification.

The entity identified below, through its authorized representative, hereby certifies that they have no practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and that they will not discriminate during the term of the contract against a firearm entity or firearm trade association as prohibited by Chapter 2274, Subtitle F, Title 10 of the Texas Local Government Code.

☐ **The Contractor or Subrecipient hereby certifies that it does comply with the requirements of Chapter 2274, Subtitle F, Title 10.**

**SIGNATURE OF AUTHORIZED
PERSON:**

NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE:

-OR-

☐ **The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of Chapter 2274, Subtitle F, Title 10.**

**SIGNATURE OF AUTHORIZED
PERSON:**

NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE:

BOYCOTTING OF CERTAIN ENERGY COMPANIES

This contract is subject to the Texas Local Government Code chapter 809, Subtitle A, Title 8, prohibiting contracts with companies who boycott certain energy companies.

TLGC chapter Code chapter 809, Subtitle A, Title 8, identifies that “boycott energy company” means, without an ordinary business purpose, refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations with a company because the company:

- I. engages in the exploration, production, utilization, transportation, sale, or manufacturing of fossil fuel-based energy and does not commit or pledge to meet environmental standards beyond applicable federal and state law; and
- II. does business with a company described by paragraph (I).

The entity identified below, through its authorized representative, hereby certifies that they do not boycott energy companies, and that they will not boycott energy companies during the term of the contract as prohibited by Chapter 809, Subtitle A, Title 8 of the Texas Local Government Code.

☐ The Contractor or Subrecipient hereby certifies that it does comply with the requirements of Chapter 809, Subtitle A, Title 8.

SIGNATURE OF AUTHORIZED PERSON:

NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE:

-OR-

☐ The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of Chapter 809, Subtitle A, Title 8.

SIGNATURE OF AUTHORIZED PERSON:

NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE:

EXHIBIT 1: CATEGORIES OFFERED AND PRICING PROPOSAL

Place select each category you are offering in your proposal:

- _____ Service Category #1: Water Storage Tank Inspection Services
- _____ Service Category #2: Water Storage Tank Cleaning Services
- _____ Service Category #3: Other Ancillary Goods or Services

Proposed Contractual Discounts on Pricing for Categories Offered

For each of the categories you selected above, provide your proposed **discount** off your list price on the attached *Bid Price Worksheet*. You may offer tiers of discounts based on the different bid items or the sale quantity.

Current Published Price List for Items Offered

For each of the bid items you wish to offer, please provide the current published list price. Please attach this information to your proposal on a separate sheet or via a weblink. Please match the Category item number from the Bid Price Worksheet to the matching item on your current published price list.

NOTE: The current price list will NOT be a part of your contractual obligation and may be modified at your discretion during the term of any contract that is awarded to you. You are however requested to provide us with an updated version of the current price list whenever it is updated. Only the percentage discount is contractually obligated.

The Respondent shall furnish a total cost pricing model for this RFP pursuant to the guidance provided in Section 5.11. Please delineate pricing based upon Service Category. Using as many pages as necessary, label your pricing proposal as “Exhibit 1 – Pricing”.

Pricing responses are encouraged to be as descriptive as possible. Additionally, Respondents are encouraged to provide an additional not to exceed hourly rate of each staff member for any future projects otherwise not anticipated by this RFP at this time.

Offerors have two options for completing Exhibit 1 – Bid Price Worksheet:

1. Complete the Bid Price Worksheet form included within this document.
2. Complete the optional Exhibit 1 Excel file attachment provided.

Regardless of the option selected, Exhibit 1 – Bid Price Worksheet must be included in your response.

EXHIBIT 1 - BID PRICE WORKSHEET

Service Category #1: Water Storage Tank Inspection Services Catalog and/or Pricelist MUST be included, or proposal will not be considered.		
Item	Description	% Discount off Current List
1	State % Discount off catalog/pricelist for Water Storage Tank Inspection Services described in Section 5. Specifications	
	Bidder Notes:	
Service Category #2: Water Storage Tank Cleaning Services Catalog and/or Pricelist MUST be included, or proposal will not be considered.		
Item	Description	% Discount off Current List
2	State % Discount off catalog/pricelist for Water Storage Tank Cleaning Services described in Section 5. Specifications	
	Bidder Notes:	
Service Category #3: Other Ancillary Goods or Services Catalog and/or Pricelist MUST be included, or proposal will not be considered.		
Item	Description	% Discount off Current List
3	State % Discount off catalog/pricelist for proposed services. Describe Below:	

EXHIBIT 2: SAMPLE MARKET BASKET FORM

For the items listed in this MARKET BASKET WORKSHEET, please enter your current unit price for the items listed.
This form is for evaluation purposes only and will not be part of any awarded contract.

Offerors have two options for completing Exhibit 2 –Market Basket Form:

3. Complete the market basket form included within this document.
4. Complete the optional Exhibit 2 Excel file attachment provided.

Regardless of the option selected, Exhibit 2 Market Basket Form must be included in your response.

*** NOTE: These are hypothetical examples and do NOT represent an actual job to be performed. ***

Market Basket Form for RFP 2024-135							
Service Category #1: Water Storage Tank Inspection Services							
Item #	Item Description	Unit of Measure	Quantity	Unit List Price	% Discount	Unit Net Price After Discount	TOTAL
Annula TCEQ Inspection - Includes all labor, tools, equipment, materials, supplies and incidentals for Water Storage Tank Inspection Services as outlined in Section 5: Specifications Location: 616 Six Flags Drive, Arlington, TX							
1	3 MG Ground Water Storage Tank	EACH	2				
2	6 MG Ground Water Storage Tank	EACH	3				
3	1 MG Hydropillar Elevated Water Storage Tank	EACH	1				
4	2 MG Hydropillar Elevated Water Storage Tank	EACH	3				
Service Category #2: Water Storage Tank Cleaning Services							
Item #	Item Description	Unit of Measure	Quantity	Unit List Price	% Discount	Unit Net Price After Discount	TOTAL
Includes all labor, tools, equipment, materials, supplies and incidentals for Water Storage Tank Cleaning Services as outlined in Section 5: Specifications							
5	3 MG Ground Water Storage Tank	EACH	2				
6	6 MG Ground Water Storage Tank	EACH	3				
7	1 MG Hydropillar Elevated Water Storage Tank	EACH	1				
8	2 MG Hydropillar Elevated Water Storage Tank	EACH	3				
	OVERALL SUBTOTAL						

EXHIBIT 3: SERVICE DESIGNATION AREAS

	Texas Service Area Designation or Identification		
Proposing Firm Name:			
Notes:	Indicate in the appropriate box whether you are proposing to service the entire state of Texas		
	Will service the entire state of Texas	Will not service the entire state of Texas	
	If you are not proposing to service the entire state of Texas, designate on the form below the regions that you are proposing to provide goods and/or services to. By designating a region or regions, you are certifying that you are willing and able to provide the proposed goods and services.		
Item	Region	Metropolitan Statistical Areas	Designated Service Area
1.	North Central Texas	16 counties in the Dallas-Fort Worth Metropolitan area	
2.	High Plains	Amarillo Lubbock	
3.	Northwest	Abilene Wichita Falls	
4.	Upper East	Longview Texarkana, TX-AR Metro Area Tyler	
5.	Southeast	Beaumont-Port Arthur	
6.	Gulf Coast	Houston-The Woodlands-Sugar Land	
7.	Central Texas	College Station-Bryan Killeen-Temple Waco	
8.	Capital Texas	Austin-Round Rock	
9.	Alamo	San Antonio-New Braunfels Victoria	
10.	South Texas	Brownsville-Harlingen Corpus Christi Laredo McAllen-Edinburg-Mission	
11.	West Texas	Midland Odessa San Angelo	
12.	Upper Rio Grande	El Paso	

(Exhibit 3 continued on next page)

Nationwide Service Area Designation or Identification Form							
Proposing Firm Name:							
Notes:	<p>Indicate in the appropriate box whether you are proposing to provide service to all Fifty (50) States.</p> <table border="1"> <tr> <td>Will service all fifty (50) states</td> <td>Will not service fifty (50) states</td> </tr> <tr> <td></td> <td></td> </tr> </table> <p>If you are not proposing to service to all fifty (50) states, then designate on the form below the states that you will provide service to. By designating a state or states, you are certifying that you are willing and able to provide the proposed goods and services in those states.</p> <p>If you are only proposing to service a specific region, metropolitan statistical area (MSA), or City in a State, then indicate as such in the appropriate column box.</p>			Will service all fifty (50) states	Will not service fifty (50) states		
Will service all fifty (50) states	Will not service fifty (50) states						
Item	State	Region/MSA/City (write "ALL" if proposing to service entire state)	Designated as a Service Area				
1.	Alabama						
2.	Alaska						
3.	Arizona						
4.	Arkansas						
5.	California						
6.	Colorado						
7.	Connecticut						
8.	Delaware						
9.	Florida						
10.	Georgia						
11.	Hawaii						
12.	Idaho						
13.	Illinois						
14.	Indiana						
15.	Iowa						
16.	Kansas						
17.	Kentucky						
18.	Louisiana						
19.	Maine						
20.	Maryland						

21.	Massachusetts		
22.	Michigan		
23.	Minnesota		
24.	Mississippi		
25.	Missouri		
26.	Montana		
27.	Nebraska		
28.	Nevada		
29.	New Hampshire		
30.	New Jersey		
31.	New Mexico		
32.	New York		
33.	North Carolina		
34.	North Dakota		
35.	Ohio		
36.	Oregon		
37.	Oklahoma		
38.	Pennsylvania		
39.	Rhode Island		
40.	South Carolina		
41.	South Dakota		
42.	Tennessee		
43.	Texas		
44.	Utah		
45.	Vermont		
46.	Virginia		
47.	Washington		
48.	West Virginia		
49.	Wisconsin		
50.	Wyoming		

End of Exhibit 3

THIS PRICE BOOK IS A LA CARTE FOR SERVICES RENDERED. AIM WILL NOT MOBILIZE UNLESS OUR MINIMUM DAY RATE OF \$4000 IS MET. FOR EXAMPLE, IF A CUSTOMER ONLY WANTS AN INTERIOR ROV AND EXTERIOR INSPECTION, A MINIMUM OF TWO TANKS MUST BE COMPLETED TO BRING THE TOTAL COST UP ABOVE THE \$4000 THRESHOLD

Service	Service Cost
Safety and Sanitary Exterior Inspections - Per Structure	\$ 1,000.00
Interior In Service ROV Inspection	\$ 1,600.00
In Service Sediment Removal Diver - Per Day	\$ 3,200.00
In Service Dive Inspection	\$ 3,200.00
Maintenance Crew Labor - Per Day (Welding)	\$ 3,500.00
Maintenance Crew Labor - Per Day	\$ 3,200.00
Int/Ext Inspection, and Sediment Removal	\$ 4,500.00
Active Mixer Installation (Sediment Removal Included)	\$16,000 - \$40,000
Pantonite Washouts - Material Cost	\$55 per Gallon
Ladder Guards	\$800-\$1400
Fall Protection Device	\$600-\$1200
#24 Mesh for Overflows/Vents - Per Application	\$ 475.00
Overflow Flapper Gates/Duck Bills	\$700-\$1200
Replacement Hatches	Price Dependent on Structure
Replacement EPA Compliant Vents	Price Dependent on Structure
Live Video from inspections	\$ 400.00
Sediment Capture - Per Bag	\$ 400.00

Pricing Example	Two Days Maintenance Crew Labor	\$6,400
Pantonite Washout of 500,000 gallon tank	10 Gallons of Pantonite	\$550
		<u>\$6,950</u>
Pricing Example	One Day Sediment Removal	\$3,200
Mixer Install/Cleaning of 250,000 Gallon Tank	Mixer Unit All In Cost	\$11,970
		<u>\$15,170</u>
Pricing Example	Four Structures Exterior Inspection	\$4,000
Ext Inspections of Four Tanks and Cleaning of One Tank	Int/Ext/Sediment Removal	\$4,500
		<u>\$8,500</u>
Pricing Example	Two Days Maintenance Crew Labor	\$6,400
Pressure Washing 50 foot tall tank, 300,000 gallon	\$1000 rental of man lift + Mark Up	\$1,300
		<u>\$7,700</u>
Pricing Example	Int/Ext/Sediment Removal	\$4,500
Int/Ext Inspection, Cleaning and Sediment Capture 250TG	Sediment Bags	\$800
		<u>\$5,300</u>
Pricing Example	One Day Maintenance Crew Labor (Weld)	\$3,500
Welding a flapper gate on 8 inch overflow	8 inch flapper gate	\$1,200
		<u>\$4,700</u>

SOLUTIONS FOR OUR NATIONAL WATER INFRASTRUCTURE

WATER IS HUMANITY'S
MOST PRECIOUS RESOURCE



The infrastructure that makes clean water possible is failing throughout the United States but we are here to change that. The health and wellbeing of individuals, society, and the natural environment relies on clean water. Water is the foundation of life and growth. In order to provide water to the public, the infrastructure must be maintained at the highest level.

At Aqueous Infrastructure Management, we're bridging the gap between past and future generations with state-of-the-art,

patented advanced technological solutions for compliance, maintenance, and remediation for our national water infrastructure.

With over thirty years of commitment, knowledge, and excellence, Aqueous Infrastructure Management is the country's leading provider of potable water infrastructure products and services. With our streamlined and thorough process, we're at the forefront of bringing the municipal industry into the 21st century with automation and tech, pairing it with the highest quality of services.



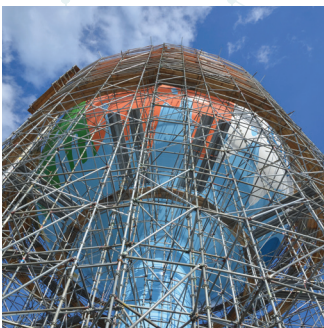
INSPECTION & COMPLIANCE

Thorough routine inspection ensures compliance of sanitary, safety and security, structure and coatings.



CLEANING & MIXING

We offer routine sediment removal, chemical cleaning, and active mixing to help ensure top water quality.



REPAIRS & RENOVATIONS

Our full range of repair and renovation services ensure preventative and proactive measures that preserve, protect, and establish sustainability of assets.



RAW WATER SOLUTIONS

Our raw water solutions include pipeline installations, repair, routine maintenance, adjustments, and inspections of surface water structures and pipelines.

AQUEOUS

INFRASTRUCTURE MANAGEMENT

AUTOMATED ASSET MANAGEMENT

WE AIM TO BRING AI TO
ASSET MANAGEMENT OF
YOUR INFRASTRUCTURE

Automation and data-driven artificial intelligence are an increasingly important part of the water infrastructure industry, bridging the past and present to preserve our infrastructure assets. Through our state-of-the-art technology, we're able to provide our customers with thousands of data points that accurately reflect the health of their individual water structures and tanks.



This comprehensive and innovative data provides insight into systems the naked eye can't see and is able to identify hairline issues which can result in major catastrophes.

Our groundbreaking technology saves time and helps solve issues before they become costly problems and repairs.

pantoniteTM
PRODUCT OF Panton McLeod AMERICAS
www.pantonmcleod.com

CERTISAFE
by **Kasco**

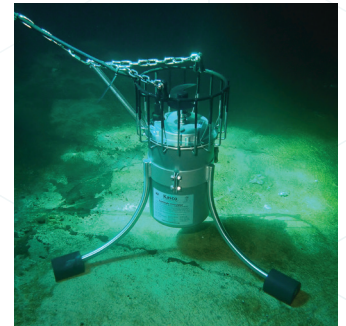
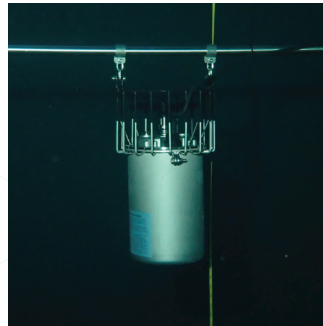


Aqueous has teamed up with Panton McLeod as a preferred provider of their Pantonite PM88 NSF60 approved chemical wash services. We provide sales and full service for Pantonite PM88, a surface applied tank and tower cleaner that is NSF-Certified for drinking water and disinfects without chlorine or peroxide.

Drinking water often contains concentrations of iron and manganese that can quickly go from becoming harmless ions in a solution to the building blocks for bacteria to make a home. When drinking water is contaminated with these bacteria, it can form hard black and brown encrustation on surfaces within tanks, towers, filters, well screens, and pipelines and if left to build, these encrustations can affect the taste and residual chlorine levels within the system.

CONTACT US TODAY!

P :: 877.821.6138 | OFFICE@AQUEOUSCO.COM | WWW.AQUEOUSCO.COM



Aqueous is a proud distributor of Kasco Certisafe Active Mixers and provides FREE installation with purchase at the time of any other routine maintenance to water storage facilities.

Mixers can help improve overall water quality by way of temperature/chlorine residual testing, biofilm monitoring, sediment buildup, or for structure concerns such as ice damage during winter operation. We help to identify the root of the issue and have successfully solved or reduced nearly every problem we have identified that a mixer is able to assist with such as TTHM, HAA5, Nitrification, ice cap formation, and many more, on a routine basis.

AQUEOUS

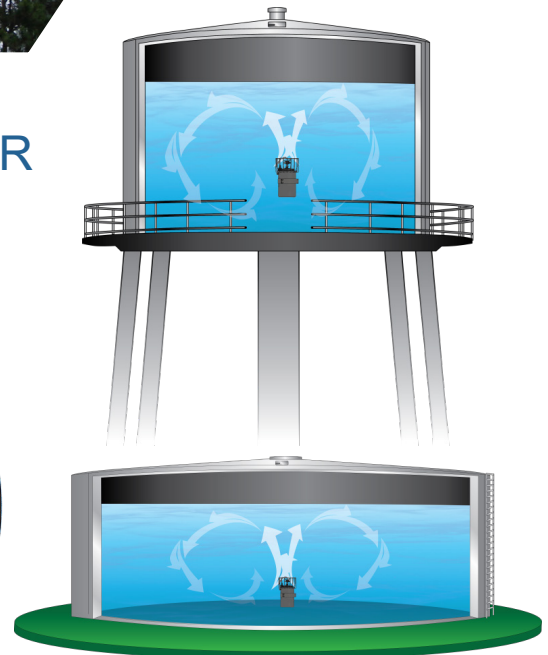
INFRASTRUCTURE MANAGEMENT

CertiSafe™ Mixers



BENEFITS OF A POWERFUL, ACTIVE MIXER

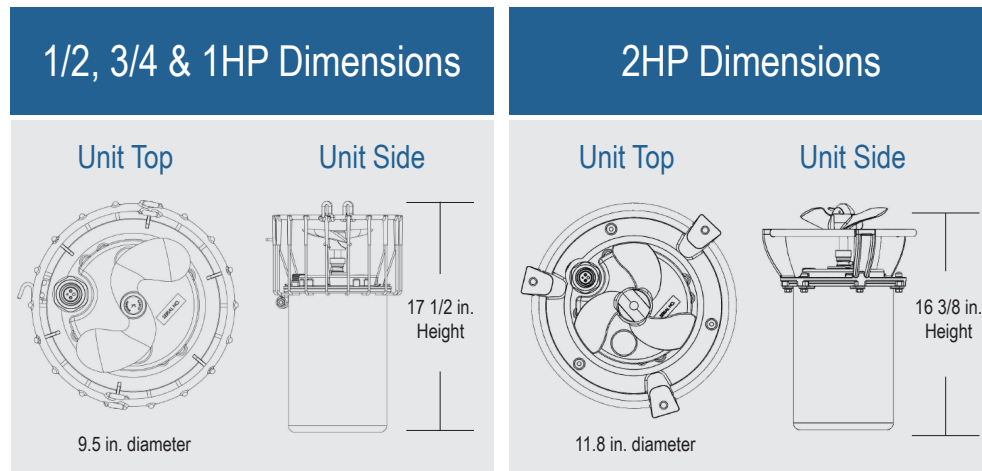
- Improves water quality
- Eliminates ice formation
- Minimizes residual loss
- Reduces thermal and chemical stratification
- Reduces differences in water taste and odor
- Reduces nitrification risk in chloraminated water
- Lowers the rate of disinfection by-product (DBP)
- Lowers the rate of sediment accumulation



UNIT SPECIFICATIONS

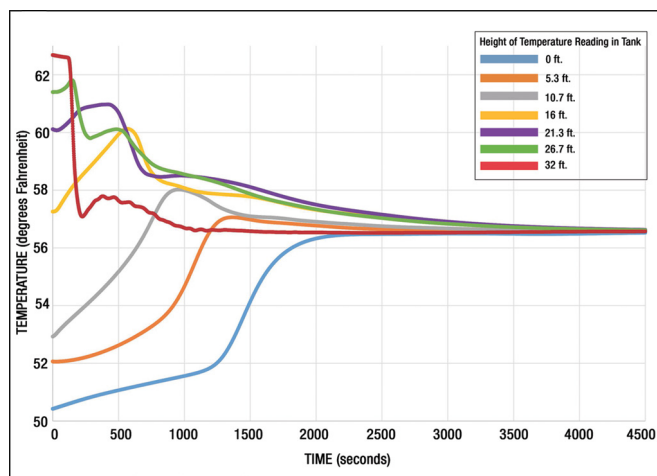
Sizes Available	1/2HP, 3/4HP, 1HP and 2HP
Electrical Requirements	120V, single phase, 60Hz (1/2HP, 3/4HP and 1 HP) 240V, single phase, 60Hz (3/4HP, 1HP and 2HP)
Lubrication	Food-grade mineral oil
Cord Lengths	Stub (32 in.), 50 ft., 100 ft., 200 ft.

UNIT DIMENSIONS

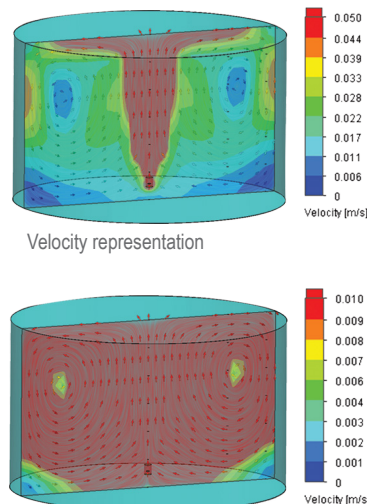


MIXING CAPABILITIES

Computational fluid dynamics (CFD) and test results using a 3400C61 CertiSafe™ mixer to mix a .5 million gallon tank



Results from thermal testing shows all layers of the tank converged within 40 minutes



CFD indicating tank can be thoroughly mixed over time

MOUNTING

Install Kasco's CertiSafe™ mixer in elevated and ground storage tanks with the available base mount, pipe mount and suspended mounting options.

CONTROL & MONITORING

UL LISTED CS-100 (120V) and CS-200 (240V) control panels are designed for easy installation and operation. Both include an H-O-A operator switch, LED indicator lights, SCADA I/O for remote control and monitoring, and a low water mixer inhibit circuit to prevent mixer damage.

Kasco®

Moving Water Forward, Since 1968

KascoMarine.com

© Kasco Marine, Inc 5/2018

ABOUT *pantonite*™

Over time all surfaces that are in contact with water will develop a bio-film. Pantonite is a blend of acids specifically designed to remove Iron and Manganese bio-fouling, helping to maintain the high quality of drinking water.

pantonite™ IS

- cost efficient and minimizes downtime
- NSF Section 60 certified for use in drinking water applications
- Stage II compliant – reduces the level of chlorine required
- Approved by Massachusetts DEP for use in drinking water systems



pantonite™ PRODUCTS

PM 88 Surface Applied Tank and Tower Cleaner:

- NSF - Certified for drinking water - Standard 60 Service Reservoirs, Tanks, Towers, Standpipes, Contact chambers with Fe & Mn based bio-fouling
- Disinfection - No chlorine or peroxide
- Gentle - Removes contamination without substrate damage
- Filter Chambers - Walls and structural surfaces only
- Rapid - A team of 3 can clean tanks up to 5 MG in only one day!
- Emergency Use - Removes Oils, Gasoline, Diesel, Solvents and bacterial contamination

PM 77 Non-foaming Soak Application for Fe & Mn Rich Contamination Removal:

- NSF-Certified for drinking water - Standard 60
- Well Cleaning and Redevelopment w/ bactericidal properties
- Filter Media Cleaning
- VOC Tower Packing Media
- Pipelines
- High surface area application where an Fe and/or Mn rich contaminated environment is present
- Rapid - Works effectively w/o vigorous agitation or use of harmful acids.



P.O. Box 1525
Charlestown, RI 02813
978-501-6967

www.pantonmcleod.com

Exclusive distribution opportunities available



makers of

pantonite™
for the removal of
Iron, manganese and/or biofilm from
storage tanks • clearwells • tri-pak filter media
and for enhanced well redevelopment
when other treatment options are
no longer effective!



pantonite™ can eliminate coliform
hits due to Biofilm regrowth

APPLICATIONS

WATER WELL TREATMENT

Pantonite removes iron and manganese bio-fouling in wells.

Benefits:

- Help maintain a well's productivity
- Lowers the high cost of iron and manganese removal from the distribution system.

pantonite™ well treatment options:

- Used during a full well rehabilitation in conjunction with mechanical surging
- Maintenance Treatment – Pantonite can be injected into a well without removing the pump.
 - Cost effective option to a full rehabilitation
 - Minimizes downtime (2 – 3 day treatment process)
 - Prolongs the need for a full well rehabilitation.



CLEANING WATER STORAGE FACILITIES (TANKS / CLEARWELLS)

Pantonite maintains the high quality of drinking water by removing bio films and deposits from water storage facilities that have built up over time.

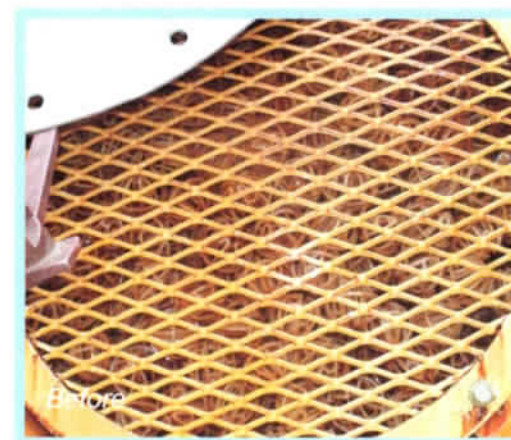
pantonite™ is Safe – Effective – Timely

Most Tanks can be cleaned in 1 – 2 days



FILTER MEDIA

- Periodic maintenance with Pantonite can ensure that the treatment system is operating efficiently.
- Pantonite is a cost effective and efficient alternative to replacing spent media.
- Minimal downtime for a Pantonite Maintenance treatment.





Phone: 877.821.6138 | office@underwatersolutionsinc.com
Your National Water Infrastructure Specialists

Report Date: 4/20/2023

Account Overview

Account Name: SAMPLE
Asset Name: SAMPLE
Type of Tank: Treatment Plant
Dimensions: 15'H x 135'W x 320'L
Volume: 6000000
Address: TBD
Latitude: 42.605421
Longitude: -70.688626
Services: Clean (Sediment Removal)/Inspection
Tank Identification Plate:



Report Review & Approval

Report Approved By:

David Cornish, President

EXTERIOR PERIMETER OF TANK

Is this structure located within a guarded facility? **No**

GUARDED FACILITY DETAILS

Does this structure have a fence that spans its circumference?	Yes
What is the height of the fence? (In Inches)	96
Does this fence have barbed wire?	Yes
Condition of the barbed wire	Good
What is the overall condition of the fence?	Good
Are there any deficiencies throughout the fence?	Yes
Explain deficiencies	On the southeast there is a 54" L x 10" deep gap under the fence that creates space for unwanted access.
Are there any signs of forced entry / vandalism?	No
Is access gate functional and secured with a lock?	Yes

Security Photos



EXTERIOR SURFACES

EXTERIOR ROOF SURFACES

Does this structure have a visible exterior roof?	No
---	----

EXTERIOR WALL SURFACES

Does this structure have visible exterior walls?	No
--	----

EXTERIOR MANWAYS

EXTERIOR MANWAYS

How many exterior manways does this structure have? 0

EXTERIOR PIPING

EXTERIOR PIPING

Does this structure have any visible exterior pipes? No

EXTERIOR OVERFLOW

EXTERIOR OVERFLOW

How many overflows does this structure have? 1

OVERFLOW #1

Location #1 East
 Location #2 Wall
 Is this overflow free of obstructions? Yes
 Is there a screen present? Yes
 What size mesh is this screen? 24
 Is this screen secure? Yes
 Overflow # 1 Does this screen have any deficiencies? No
 Does the overflow have a flapper gate or a duckbill valve? No
 Does this overflow terminate from the roof? No
 Where does this overflow terminate? Over rip rap
 How many inches above the ground does it terminate? 22
 What is the diameter of this overflow? 16
 Does this overflow discharge into a sewer or storm drain? No

Overflow #1 Photo



EXTERIOR AERATOR

EXTERIOR AERATOR

Does this structure have a rooftop aerator? No

EXTERIOR VENT

EXTERIOR VENT

How many vents does this structure have? 2

VENT #1

Location #1 East
 Location #2 Roof
 Is this vent coated? No
 Is this vent downturned? No
 Is there a solid cover down to the bottom of the screen? Yes
 Is there a screen present? Yes
 What size screen is present? (in inches) 24
 Is this screen at least 8" above the roof? Yes
 Does this screen have any deficiencies? No
 Is the vent a vacuum/pressure release pallet vent? No
 Additional Notes Screens could not be accessed due to riveted aluminum caps

Vent 1 Photos



VENT #2	
Location #1	West
Location #2	Roof
Is this vent coated?	No
Is this vent downturned?	No
Is there a solid cover down to the bottom of the screen?	Yes
Is there a screen present?	Yes
What size screen is present? (in inches)	24
Is this screen at least 8" above the roof?	Yes
Does this screen have any deficiencies?	No
Is the vent a vacuum/pressure release pallet vent?	No

Vent #2 Photos



EXTERIOR HATCH

EXTERIOR HATCH	
How many hatches does this structure have?	2

HATCH #1	
Location #1	South
Location #2	Roof
Shape	Rectangle
Length (in inches)	55
Width (in inches)	30
Is this hatch raised at least 4" above the roof?	Yes
What is the height this hatch is raised above the roof?	26
Does this hatch have an overlapping water tight lid?	Yes
Does this lid measure 2" in overlap?	Yes
Does this lid have a gasket?	No
Was this hatch opened during inspection?	Yes
Did this hatch function properly?	Yes
Is this hatch secured with a lock?	Yes
Is this hatch coated?	No

Hatch Photos



HATCH #2	
Location #1	North
Location #2	Roof
Shape	Circle
Diameter (in inches)	30
Is this hatch raised at least 4" above the roof?	Yes
What is the height this hatch is raised above the roof?	13
Does this hatch have an overlapping water tight lid?	Yes
Does this lid measure 2" in overlap?	Yes
Does this lid have a gasket?	No
Was this hatch opened during inspection?	No
Is this hatch secured with a lock?	Yes
Is this hatch coated?	No
Additional Notes	Concrete foundation is in fair condition with mildew growth, 5% cracks with greater than 20% efflorescence and two spall with efflorescence. The first spall is 6" L x 5" W x 2" D and the second spall is 12" L x 11" W x 6.5" D.

Hatch #2 Photos



SAFETY RAILINGS

EXTERIOR SAFETY RAILINGS	
Does this structure have safety railings?	No

INTERIOR WALLS

INTERIOR WALLS AESTHETICS

INTERIOR AESTHETICS NORTH WALL	
Is there Biofilm/Staining in this quadrant?	Yes
Severity of biofilm/staining?	Mild
Is this quadrant coated?	Yes
Condition of Protective Coating	Blistering Decline/Thinning

North Wall Aesthetics Photos

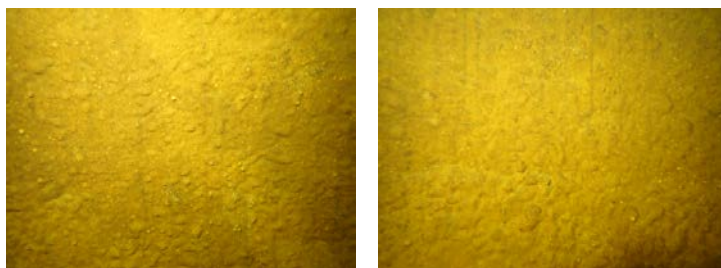
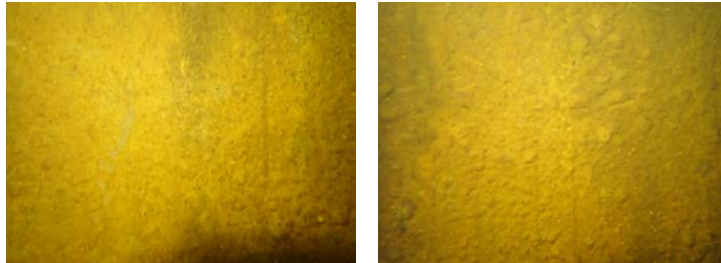


INTERIOR WALLS AESTHETICS

INTERIOR AESTHETICS SOUTH WALL

Is there Biofilm/Staining in this quadrant?	Yes
Severity of biofilm/staining?	Mild
Is this quadrant coated?	Yes
Condition of Protective Coating	Blistering Decline/Thinning

South Wall Aesthetics Photos

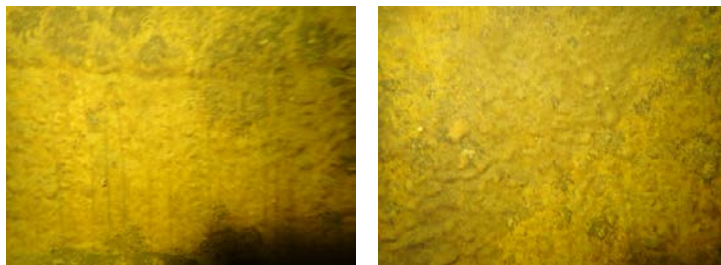
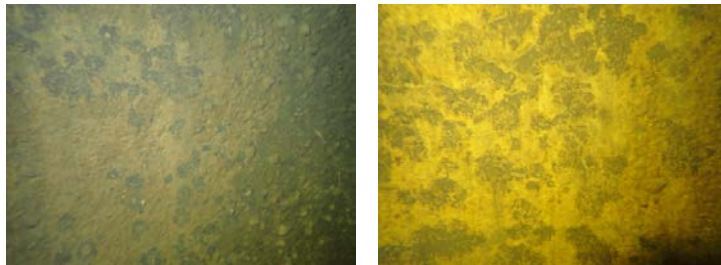


INTERIOR WALLS AESTHETICS

INTERIOR AESTHETICS EAST WALL

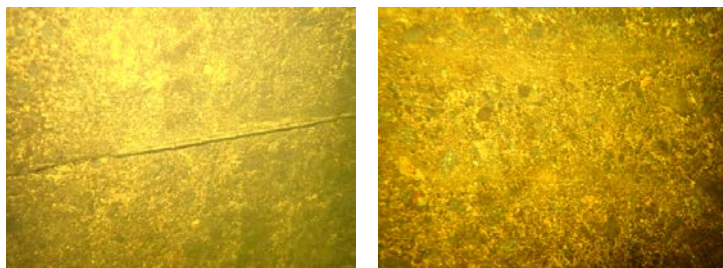
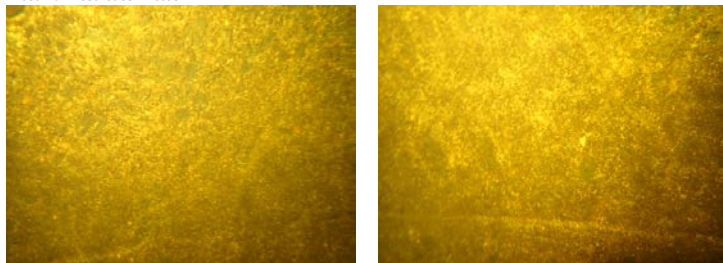
Is there Biofilm/Staining in this quadrant?	Yes
Severity of biofilm/staining?	Mild
Is this quadrant coated?	Yes
Condition of Protective Coating	Blistering Decline/Thinning

East Wall Aesthetics Photos

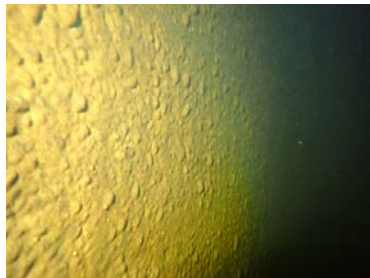


INTERIOR WALLS AESTHETICS**INTERIOR AESTHETICS WEST WALL**

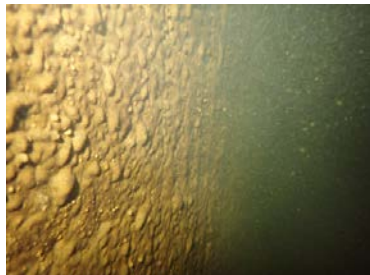
Is there Biofilm/Staining in this quadrant?	Yes
Severity of biofilm/staining?	Mild
Is this quadrant coated?	No

West Wall Aesthetics Photos**INTERIOR WALLS STRUCTURAL****INTERIOR STRUCTURAL NORTH WALL**

Are there any signs of cracks?	No
Were any areas of spall evident?	No

Overall Photo of Interior North Wall Quadrant**INTERIOR WALLS STRUCTURAL****INTERIOR STRUCTURAL SOUTH WALL**

Are there any signs of cracks?	No
Were any areas of spall evident?	No

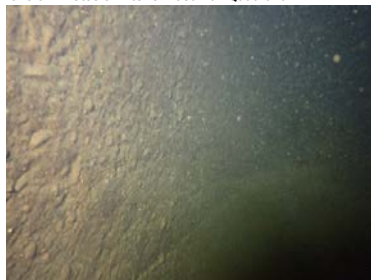
Overall Photo of Interior South Wall Quadrant

INTERIOR WALLS STRUCTURAL

INTERIOR STRUCTURAL EAST WALL

Are there any signs of cracks?	No
Were any areas of spill evident?	No

Overall Photos of Interior East Wall Quadrant

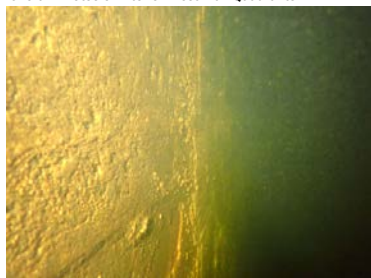


INTERIOR WALLS STRUCTURAL

INTERIOR STRUCTURAL WEST WALL

Are there any signs of cracks?	No
Were any areas of spill evident?	No

Overall Photos of Interior West Wall Quadrants



ICE CAP FORMATION

INTERIOR WALLS

Is there any damage on the interior walls / coating that could be the result of ice cap formation? i.e., ice scour	No
--	----

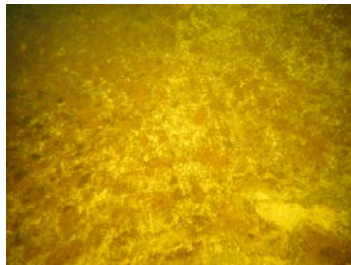
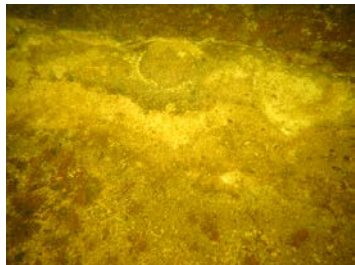
INTERIOR FLOOR

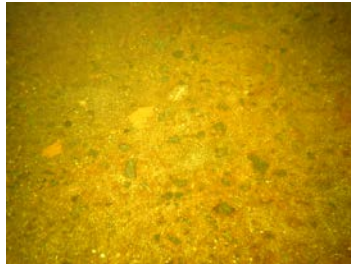
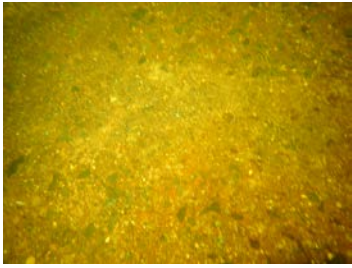
INTERIOR FLOOR NORTH QUADRANT AESTHETICS

INTERIOR AESTHETICS NORTH FLOOR

Is there Biofilm/Staining in this quadrant?	Yes
Severity of biofilm/staining?	Mild
Is this quadrant coated?	Yes
Condition of Protective Coating	Decline/Thinning Peeling

North Floor Aesthetics Photos



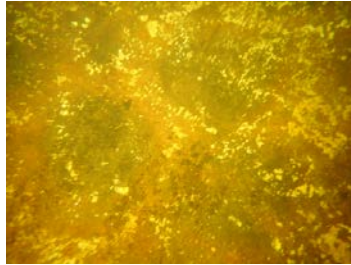
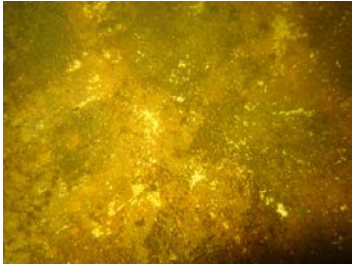
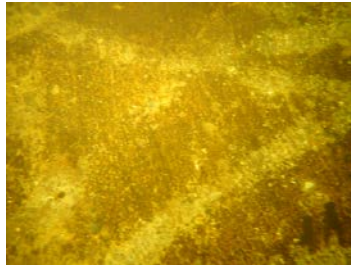
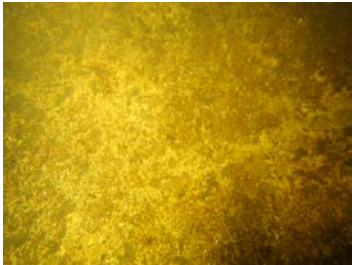


INTERIOR FLOOR SOUTH QUADRANT AESTHETICS

INTERIOR AESTHETICS SOUTH FLOOR

Is there Biofilm/Staining in this quadrant?	Yes
Severity of biofilm/staining?	Mild
Is this quadrant coated?	Yes
Condition of Protective Coating	Decline/Thinning Peeling

South Floor Aesthetics Photos

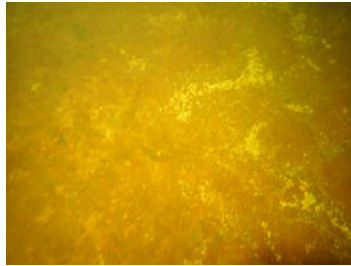
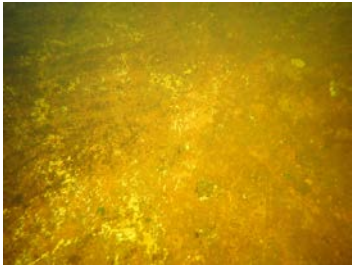


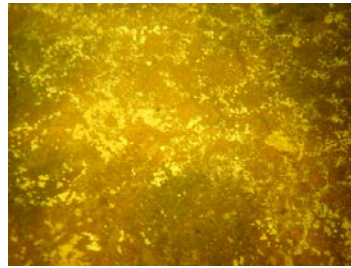
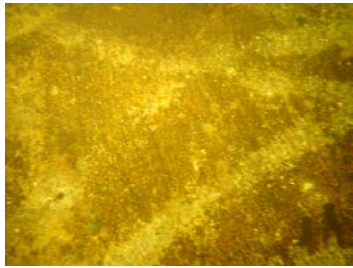
INTERIOR FLOOR EAST QUADRANT AESTHETICS

INTERIOR AESTHETICS EAST FLOOR

Is there Biofilm/Staining in this quadrant?	Yes
Severity of biofilm/staining?	Mild
Is this quadrant coated?	Yes
Condition of Protective Coating	Decline/Thinning Peeling

East Floor Aesthetic Photos



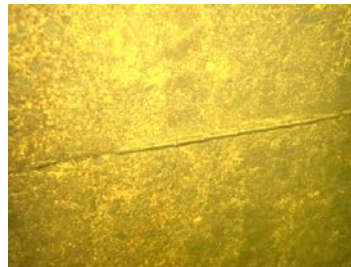
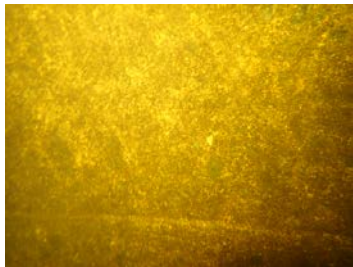
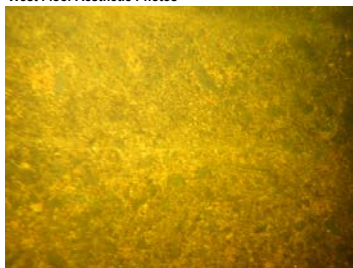


INTERIOR FLOOR WEST QUADRANT AESTHETICS

INTERIOR AESTHETICS WEST FLOOR

Is there Biofilm/Staining in this quadrant?	Yes
Severity of biofilm/staining?	Mild
Is this quadrant coated?	Yes
Condition of Protective Coating	Decline/Thinning/Peeling

West Floor Aesthetic Photos



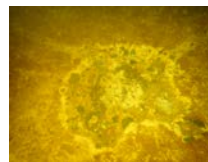
INTERIOR FLOOR NORTH QUADRANT STRUCTURAL

INTERIOR STRUCTURAL NORTH FLOOR

Are there any signs of cracks?	No
Were any areas of spall evident?	Yes
How many areas of spall were evident in this quadrant?	1

Spall #1	Floor
Length of spall #1 (in inches)	12
Width of spall #1 (in inches)	12
Depth of spall #1 (in inches)	2
Spall #1 Was underlined structural steel exposed?	No

Photo of Spall #1



INTERIOR FLOOR SOUTH QUADRANT STRUCTURAL

INTERIOR STRUCTURAL SOUTH FLOOR

Are there any signs of cracks?	No
Were any areas of spall evident?	No

INTERIOR FLOOR EAST QUADRANT STRUCTURAL**INTERIOR STRUCTURAL EAST FLOOR**

Are there any signs of cracks?	No
Were any areas of spill evident?	No

INTERIOR FLOOR WEST QUADRANT STRUCTURAL**INTERIOR STRUCTURAL WEST FLOOR**

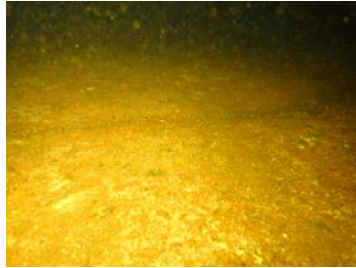
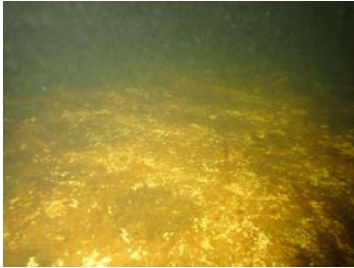
Are there any signs of cracks?	No
Were any areas of spill evident?	No

BAFFLE WALL**INTERIOR BAFFLING WALL**

Does this structure have an interior baffle wall?	No
---	----

CLEANING**SEDIMENT REMOVAL**

How much sediment was found on the bottom of this structure? (In Inches)	0.125
Sediment appears to be:	Brown sediment rocks red tape debris
Was all sediment removed?	Yes

Before Sediment Removal**After Sediment Removal****Discharge Photo**

SUPPORT PILLARS

SUPPORT PILLARS

Does this structure have support pillars?	Yes
How many?	63

SUPPORT PILLARS

Are these pillars coated?	No
Is there Biofilm/Staining on these pillars?	Yes
Severity of bio-film/staining	Mild
Are there any signs of cracks?	No
Were any of areas of spall evident?	No

INTERIOR MANWAY

INTERIOR MANWAY

How many interior manways does this structure have?	0
---	---

INTERIOR PIPING

INTERIOR PIPING

How many pipes does this structure have?	3
--	---

PIPE #1

Where does this pipe penetrate the structure?	Wall
Does this pipe penetrate from a sump?	No
Does this pipe terminate within a sump?	No
What is the diameter of this pipe? (in inches)	10
What is the material of this pipe?	Other
Material	Concrete
Is this pipe obstructed?	No
Is there anything on the end of this pipe?	Nothing
Was there flow at the time of inspection?	No
Is this pipe coated?	Yes
Condition of coating	Blistering
Is this pipe supported?	No

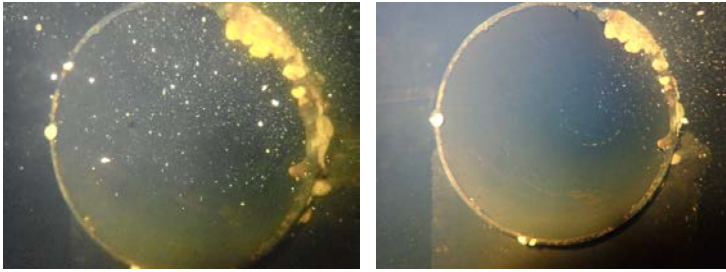
Pipe #1 Photos



PIPE #2

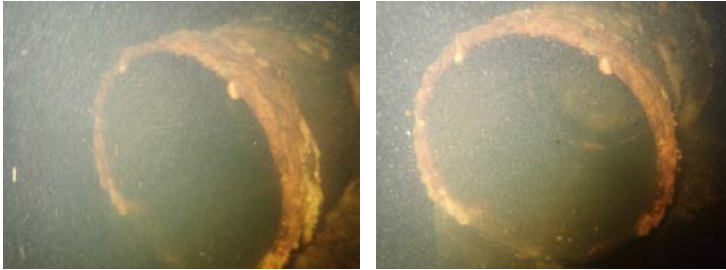
Where does this pipe penetrate the structure?	Wall
Does this pipe penetrate from a sump?	No
Does this pipe terminate within a sump?	No
What is the diameter of this pipe? (in inches)	20
What is the material of this pipe?	Steel
Is this pipe obstructed?	No
Is there anything on the end of this pipe?	Nothing
Was there flow at the time of inspection?	No
Is this pipe coated?	Yes
Condition of coating	Decline/Thinning
Is this pipe supported?	Yes
How many places is this pipe supported?	1
What is the condition of the support(s)?	Good

Pipe #2 Photos



PIPE #3	
Where does this pipe penetrate the structure?	Wall
Does this pipe penetrate from a sump?	No
Does this pipe terminate within a sump?	No
What is the diameter of this pipe? (in inches)	20
What is the material of this pipe?	Steel
Is this pipe obstructed?	No
Is there anything on the end of this pipe?	Nothing
Was there flow at the time of inspection?	No
Is this pipe coated?	Yes
Condition of coating	Decline/Thinning
Is this pipe supported?	Yes
How many places is this pipe supported?	1
What is the condition of the support(s)?	Good

Pipe #3 Photos



INTERIOR DEPTH GAUGE

INTERIOR DEPTH GAUGE COMPONENT	
Does this structure have an interior depth gauge component?	No

CATHODIC PROTECTION

INTERIOR CATHODIC PROTECTION	
Does this structure have cathodic protection?	No

INTERIOR OVERFLOW

INTERIOR OVERFLOW	
Does this structure have an interior overflow?	Yes
How many overflows does this structure have?	1

OVERFLOW #1	
Location #1	East
Location #2	Wall
Is this overflow free of obstructions?	Yes
What is this overflow penetrating?	Wall
Where does this overflow terminate?	Wall
Is this overflow coated?	Yes
Condition of coating	Decline/Thinning
Is this overflow supported?	No

Overflow #1 Photo



PUMP COLUMNS

VERTICAL PUMP COLUMN

Does this structure have pump columns?	No
--	----

INTERIOR LADDER

A. LADDER ACCESSIBILITY AND COMPLIANCE

Does this structure have an interior ladder?	Yes
--	-----

Interior Ladder Location #1	Northeast
-----------------------------	-----------

Interior Ladder Location #2	Wall
-----------------------------	------

What material is this ladder?	Fiberglass
-------------------------------	------------

What is the width between side rails?	18
---------------------------------------	----

Rung Rise on center?	12
----------------------	----

What is the ladder distance off wall?	6
---------------------------------------	---

How far is this ladder off the floor?	0
---------------------------------------	---

How many standoffs does this ladder have?	4
---	---

Do all welded connections seem sound?	Yes
---------------------------------------	-----

Is this ladder coated?	No
------------------------	----

B. Ladder Security and Fall Prevention

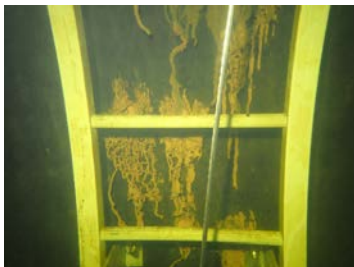
Does this ladder have a fall prevention device?	Yes
---	-----

What type of fall prevention device is available?	Cable
---	-------

What is the condition of this fall prevention device?	Good
---	------

Does this ladder have a safety cage?	No
--------------------------------------	----

Interior Ladder Photos



INTERIOR OVERHEAD

INTERIOR OVERHEAD AESTHETICS

NORTH OVERHEAD AESTHETICS QUADRANT

Aesthetic Deficiencies	Mildew/Soiling
Is this quadrant coated?	No
Is the hatch visible in this quadrant?	Yes
Interior Hatch Aesthetics	Decline/Thinning

North Overhead Aesthetics Photos



SOUTH OVERHEAD AESTHETICS QUADRANT

Aesthetic Deficiencies	No Visible Deficiencies
Is this quadrant coated?	No
Is the hatch visible in this quadrant?	Yes
Interior Hatch Aesthetics	Decline/Thinning Scaling

South Overhead Aesthetics Photos



EAST OVERHEAD AESTHETICS QUADRANT	
Aesthetic Deficiencies	Mildew/Soiling
Is this quadrant coated?	No
Is the hatch visible in this quadrant?	No

East Overhead Aesthetics - Photos



WEST OVERHEAD AESTHETICS QUADRANT	
Aesthetic Deficiencies	No Visible Deficiencies
Is this quadrant coated?	No
Is the hatch visible in this quadrant?	No

West Overhead Aesthetics Photos



OVERHEAD STRUCTURAL

NORTH OVERHEAD STRUCTURAL QUADRANT	
Are there any signs of cracks?	No
Were any areas of spall evident?	No

SOUTH OVERHEAD STRUCTURAL QUADRANT	
Are there any signs of cracks?	Yes
Percent(%) of cracks in this quadrant	Less than 5%
Do any of these cracks appear to have efflorescence?	Yes
Percent(%) of cracks having efflorescence:	Greater than 20%
Do any of these cracks appear to have depth?	No
Do any of these cracks appear to have width?	No
Do these cracks appear to be sealed?	No
Were any areas of spall evident?	No

South Overhead Structural - Photos of cracks



EAST OVERHEAD STRUCTURAL QUADRANT	
Are there any signs of cracks?	Yes
Percent(%) of cracks in this quadrant	5% -10%
Do any of these cracks appear to have efflorescence?	No
Do any of these cracks appear to have depth?	No
Do any of these cracks appear to have width?	No
Do these cracks appear to be sealed?	Yes
Were any areas of spall evident?	No

East Overhead Structural - Photos of cracks



WEST OVERHEAD STRUCTURAL QUADRANT	
Are there any signs of cracks?	Yes
Percent(%) of cracks in this quadrant	Greater than 20%
Do any of these cracks appear to have efflorescence?	Yes
Percent(%) of cracks having efflorescence:	10%-20%
Do any of these cracks appear to have depth?	No
Do any of these cracks appear to have width?	No
Do these cracks appear to be sealed?	No
Were any areas of spall evident?	No

West Overhead Structural - Photos of cracks



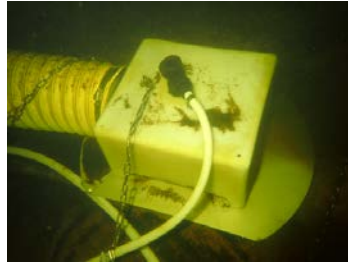
WATER QUALITY

WATER QUALITY	
Is there suspended particulate and/or color throughout the water column?	Yes
Water temperature at surface at time of inspection in fahrenheit.	48
Water temperature at bottom at time of inspection in fahrenheit.	48
Surface residual mg/L (total chlorine)	0.2
Is there a sample tap located at ground level?	No
Bottom residual mg/L (total chlorine)	0.2
Water Quality - Additional Notes	Water has blue grey tint allowing only 5' visibility

INTERIOR MIXER

INTERIOR MIXER	
Does this structure have a mixer installed?	Yes
What kind of mixer is installed?	Active
What is the brand of the mixer?	Solarbee
Type of mount?	Floating
Is the mixer in operation at time of this inspection?	Yes
Is there any obstructions/failures?	No

Interior Mixer Photos



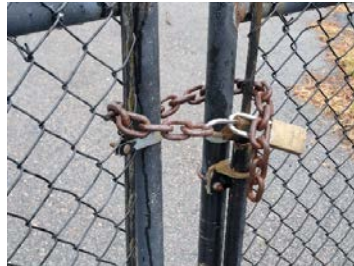
SITE SECURITY UPON COMPLETION

CLOSING FORM	
Was there a lock on the hatch upon your arrival?	Yes
Was hatch locked at the completion of services?	Yes
Did this structure have a locked access gate?	Yes
Was gate locked after completion of services?	Yes
Did you dive for the services completed today?	Yes

Photo of locked hatch after completion of services



Photo of locked gate after completion of services



This report prepared by Underwater Solutions Inc. is based upon spot examination from readily accessible areas of the structure using visual and available non-destructive testing. Should latent defects or conditions which vary significantly from those described in this report be discovered at a later date, these conditions should be brought to the attention of Underwater Solutions Inc. or the structure manufacturer at that time. These comments should be viewed as information to be used by the Owner in determining the proper course of action and not to replace a complete set of specifications. All repairs should be done in accordance with A.W.W.A. and/or other applicable standards.

Underwater Solutions Inc.'s recommendations, remedial action and infrastructure asset management plan is being processed and will be uploaded into your platform within 30 days for your review.



INFRASTRUCTURE MANAGEMENT

Phone: 877.821.6138 | office@aqueousco.com

Report Date: 11/16/2023

Account Overview

Account Name: Demo Report
Asset Name: Steel Template
Type of Tank: Finished Water
Volume: 300000
Address: 21 Old Kenyon Rd, Richmond, RI 02832, USA
Latitude: 41.532418
Longitude: -71.685351
Services: Clean (Sediment Removal)|Inspection

Tank Identification Plate:



Report Review & Approval

Report Approved By:

David Cornish, President

EXTERIOR PERIMETER OF TANK

Is this structure located within a guarded facility? **No**

GUARDED FACILITY DETAILS

Does this structure have a fence that spans its circumference?	Yes
What is the height of the fence? (In Inches)	84
Does this fence have barbed wire?	Yes
Condition of the barbed wire	Barbed wire is in good condition but has come off at a couple standoffs.
What is the overall condition of the fence?	Fair
Are there any deficiencies throughout the fence?	No
Are there any signs of forced entry / vandalism?	No
Is access gate functional and secured with a lock?	Yes

Security Photos



EXTERIOR WALL SURFACES

EXTERIOR WALL AESTHETICS

NORTH WALL	
Aesthetics	Mildew
Condition of Protective Coating	Decline/Thinning

North Wall Exterior Aesthetics Photos



SOUTH WALL	
Aesthetics	Mildew
Condition of Protective Coating	Decline/Thinning

South Wall Exterior Aesthetics Photos



EAST WALL	
Aesthetics	Mildew
Condition of Protective Coating	Decline/Thinning

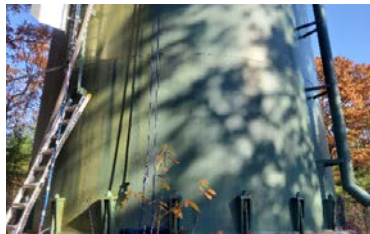
East Wall Exterior Aesthetics Photos





WEST WALL	
Aesthetics	Mildew
Condition of Protective Coating	Decline/Thinning

West Wall Exterior Aesthetics Photos



EXTERIOR WALL STRUCTURAL

UPPER SECTION NORTH WALL	
Is there any sign of exposed steel in this section?	No

MIDDLE SECTION NORTH WALL	
Is there any sign of exposed steel in this section?	No

LOWER SECTION NORTH WALL	
Is there any sign of exposed steel in this section?	No

Overall photo of entire quadrant



UPPER SECTION SOUTH WALL	
Is there any sign of exposed steel in this section?	No

MIDDLE SECTION SOUTH WALL	
Is there any sign of exposed steel in this section?	No

LOWER SECTION SOUTH WALL	
Is there any sign of exposed steel in this section?	No

Overall photo of entire quadrant



UPPER SECTION EAST WALL	
Is there any sign of exposed steel?	No

MIDDLE SECTION EAST WALL	
Is there any sign of exposed steel?	No

LOWER SECTION EAST WALL	
Is there any sign of exposed steel?	No

Overall photo of entire quadrant



UPPER SECTION WEST WALL	
Is there any sign of exposed steel?	No

MIDDLE SECTION WEST WALL	
Is there any sign of exposed steel?	No

LOWER SECTION WEST WALL	
Is there any sign of exposed steel?	No

Overall photo of entire quadrant



CATWALK	
Does this structure have a catwalk?	No

EXTERIOR WALL WELDS

UPPER SECTION NORTH WALL

Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

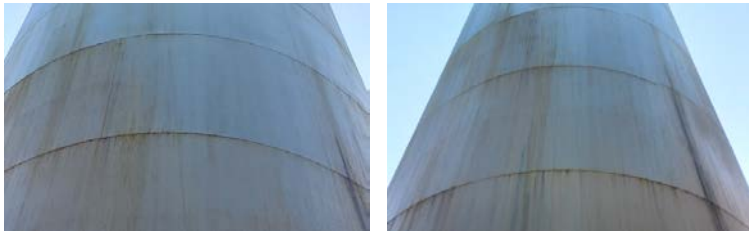
Upper North Wall Section- Photo of welds



MIDDLE SECTION NORTH WALL

Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

Middle North Wall Section- Photo of welds



LOWER SECTION NORTH WALL

Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

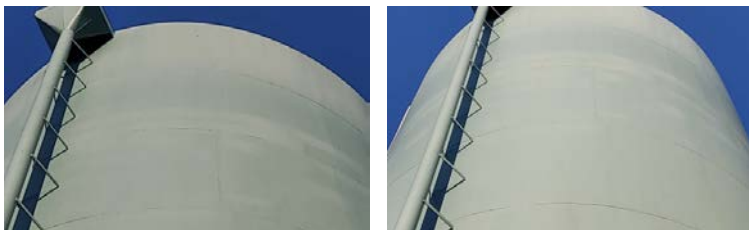
Lower North Wall Section- Photo of welds



UPPER SECTION SOUTH WALL

Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

Upper South Wall Section- Photo of welds



MIDDLE SECTION SOUTH WALL	
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

Middle South Wall Section- Photo of welds



LOWER SECTION SOUTH WALL	
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

Lower South Wall Section- Photo of welds



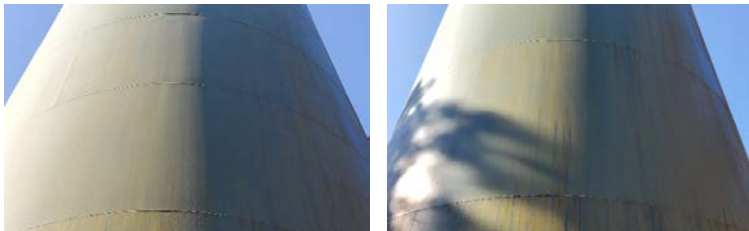
UPPER SECTION EAST WALL	
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

Upper East Wall Section- Photo of welds



MIDDLE SECTION EAST WALL	
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

Middle East Wall Section- Photo of welds



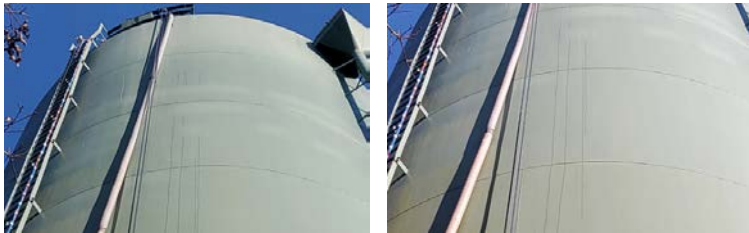
LOWER SECTION EAST WALL	
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

Lower East Wall Section- Photo of welds



UPPER SECTION WEST WALL	
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

Upper West Wall Section- Photo of welds



MIDDLE SECTION WEST WALL	
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

Middle West Wall Section- Photo of welds



LOWER SECTION WEST WALL	
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

Lower West Wall Section- Photo of welds



GROUND LEVEL ULTRA SONIC / DRY FILM THICKNESS MEASUREMENTS

EXTERIOR WEST WALL

Ultra Sonic Thickness Measurements Panel #1	.466, .482, .460, .459
Ultra Sonic Thickness Measurements Panel #2	.424, .441, .452, .430
Dry Film Thickness Measurements Panel #1	5.5, 15.4, 13.4, 8.4
Dry Film Thickness Measurements Panel #2	13.8, 12.1, 9.5, 13.0

EXTERIOR MANWAYS

EXTERIOR MANWAYS

How many exterior manways does this structure have?	2
---	---

EXTERIOR MANWAY #1

Location #1	Northwest
Location #2	Wall
Shape	Circle
Diameter (in inches)	24
Height above the ground (in inches)	23
Is this manway secure?	Yes
Is there any sign of leakage?	No
Is this manway coated?	Yes
Condition of coating	Decline/Thinning
Is there any signs of metal exposure?	No
Is there any sign of corrosion?	No
Is there any sign of fatigue/pitting?	No
What is the condition of the gasket?	Very good

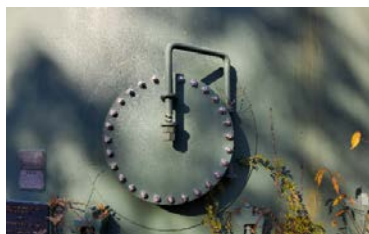
Exterior Manway 1 Photos



EXTERIOR MANWAY #2

Location #1	Southeast
Location #2	Wall
Shape	Circle
Diameter (in inches)	24
Height above the ground (in inches)	44
Is this manway secure?	Yes
Is there any sign of leakage?	No
Is this manway coated?	Yes
Condition of coating	Decline/Thinning
Is there any signs of metal exposure?	No
Is there any sign of corrosion?	No
Is there any sign of fatigue/pitting?	No
What is the condition of the gasket?	Very good

Manway 2 Photos



EXTERIOR PIPING

EXTERIOR PIPING

Does this structure have any visible exterior pipes? No

EXTERIOR LADDER

EXTERIOR LADDER ACCESSIBILITY AND COMPLIANCE

Does this structure have an exterior ladder	Yes
Exterior Ladder Location #1	West
Exterior Ladder Location #2	Wall
What material is this ladder?	Steel
What is the width between side rails? (In Inches)	16
Rung Rise on center? (In Inches)	12
What is the ladder distance off wall? (In Inches)	7
How far is this ladder off the ground? (In Inches)	120
How many standoffs does this ladder have?	10
Do all welded connections seem sound?	Yes
Is this ladder coated?	Yes
Condition of coating?	Good

EXTERIOR LADDER SECURITY AND FALL PREVENTION

Does this ladder have a fall prevention device?	Yes
What type of fall prevention device is available?	Cable
What is the condition of this fall prevention device?	Very good
Does this ladder have a safety cage?	No
Does this ladder have a ladder guard?	Yes
Is this ladder guard locked?	Yes

Exterior Ladder Photos



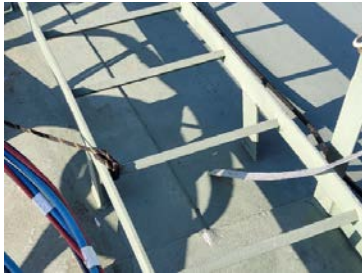
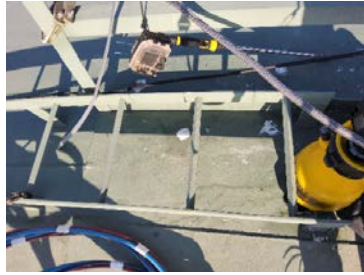
EXTERIOR LADDER #2 ACCESSIBILITY AND COMPLIANCE

Exterior Ladder Location #1	West
Exterior Ladder Location #2	Roof
What material is this ladder?	Steel
What is the width between side rails? (In Inches)	16
Rung Rise on center? (In Inches)	12
What is the ladder distance off wall? (In Inches)	7
How far is this ladder off the ground? (In Inches)	360
How many standoffs does this ladder have?	3
Do all welded connections seem sound?	Yes
Is this ladder coated?	Yes
Condition of coating?	Chalking

EXTERIOR LADDER #2 SECURITY AND FALL PREVENTION

Does this ladder have a fall prevention device?	No
Does this ladder have a safety cage?	No
Does this ladder have a ladder guard?	No

Exterior Ladder Photos



EXPOSED FOUNDATION

EXPOSED FOUNDATION

Does this structure have an exposed foundation?	Yes
What is the height of this foundation?	22
What is the width of this foundation?	10
What is the condition of the concrete?	Concrete shows no signs of failure but has hairlines cracks at the anchor bolts.

Exposed Foundation Photos



ANCHOR BOLTS

ANCHOR BOLTS	
Does this structure have anchor bolts?	Yes
How many?	24
What is the approximate height of the anchor bolts? (In Inches)	26
What is the approximate diameter of the anchor bolts? (In Inches)	2
Is the anchor bolts coated?	Yes
Condition of coating	Decline/Thinning
Is all hardware present?	Yes

Anchor Bolts Photos



EXTERIOR ROOF/SHELL

EXTERIOR ROOF AESTHETICS

NORTH ROOF QUADRANT AESTHETICS	
Aesthetic Deficiencies	Mildew/Soiling
Condition of Protective Coating	Decline/Thinning/Peeling/Chalking

North Roof Quadrant Aesthetic Photos



SOUTH ROOF QUADRANT AESTHETICS	
Aesthetic Deficiencies	Mildew/Soiling
Condition of Protective Coating	Decline/Thinning/Chalking

South Roof Quadrant Aesthetic Photos



EAST ROOF QUADRANT AESTHETICS	
Aesthetic Deficiencies	Mildew/Soiling
Condition of Protective Coating	Decline/Thinning/Peeling/Chalking

East Roof Quadrant Aesthetics Photos



WEST ROOF QUADRANT AESTHETICS	
Aesthetic Deficiencies	Mildew/Soiling
Condition of Protective Coating	Decline/Thinning/Chalking

West Roof Quadrant Aesthetics Photos



EXTERIOR ROOF STRUCTURAL

NORTH ROOF STRUCTURAL

Is there any sign of exposed steel?	No
Is there any rigging hole penetrations in this quadrant?	Yes
How many rigging hole penetrations are in this quadrant?	2
Are all penetrations sealed?	Yes
Ultra Sonic Thickness Measurements	.244, .231, .222, .224
Dry Film Thickness Measurements	15.3, 13.3, 10.2, 11.4
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

Overall photo of this quadrant



North Quadrant- Photo of welds



SOUTH ROOF STRUCTURAL	
Is there any sign of exposed steel?	No
Is there any rigging hole penetrations in this quadrant?	Yes
How many rigging hole penetrations are in this quadrant?	1
Are all penetrations sealed?	Yes
Ultra Sonic Thickness Measurements	.213, .240, .232, .211
Dry Film Thickness Measurements	13.2, 14.2, 10.9, 11.4
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

Overall photo of this quadrant

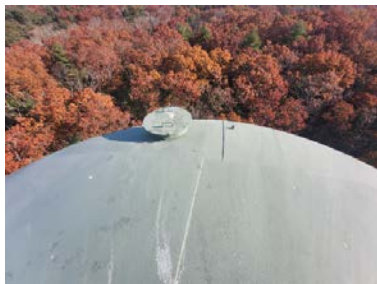


South Quadrant- Photo of welds



EAST ROOF STRUCTURAL	
Is there any sign of exposed steel?	No
Is there any rigging hole penetrations in this quadrant?	Yes
How many rigging hole penetrations are in this quadrant?	1
Are all penetrations sealed?	Yes
Ultra Sonic Thickness Measurements	.242, .244, .252, .250
Dry Film Thickness Measurements	13.1, 14.5, 10.2, 11
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

Overall photo of this quadrant



East Quadrant- Photo of welds



WEST ROOF STRUCTURAL	
Is there any sign of exposed steel?	No
Is there any rigging hole penetrations in this quadrant?	Yes
How many rigging hole penetrations are in this quadrant?	2
Are all penetrations sealed?	Yes
Ultra Sonic Thickness Measurements	.234, .222, .254, .256
Dry Film Thickness Measurements	12.3, 14.4, 10.2, 11
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

Overall photo of this quadrant



West Quadrant- Photo of welds

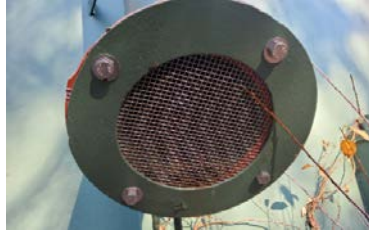


EXTERIOR OVERFLOW

EXTERIOR OVERFLOW	
How many overflows does this structure have?	1

OVERFLOW #1	
Where does this overflow terminate?	South wall of tank
How many inches above the ground does it terminate?	41
Does this overflow extend away from the structure?	No
Does this overflow discharge into a sewer or storm drain?	No
What is the diameter of this overflow?	8
Is this overflow free of obstructions?	Yes
Is there a screen present?	Yes
What size mesh is this screen?	4
Is this screen secure?	Yes
Does this screen have any deficiencies?	No
Does the overflow have a flapper gate or a duckbill valve?	No

Overflow #1 Photo



EXTERIOR AERATOR

EXTERIOR AERATOR	
Does this structure have a rooftop aerator?	No

EXTERIOR VENT

EXTERIOR VENT	
How many vents does this structure have?	1

VENT #1	
Location #1	Center
Location #2	Roof
Is this vent coated?	Yes
What is the condition of the coating?	Chalking
Is this vent downturned?	No
Is there a solid cover down to the bottom of the screen?	No
Is there a screen present?	Yes
What size screen is present? (in inches)	24
Is this screen at least 8" above the roof?	Yes
Does this screen have any deficiencies?	No
Is the vent a vacuum/pressure release pallet vent?	Yes

Vent 1 Photos

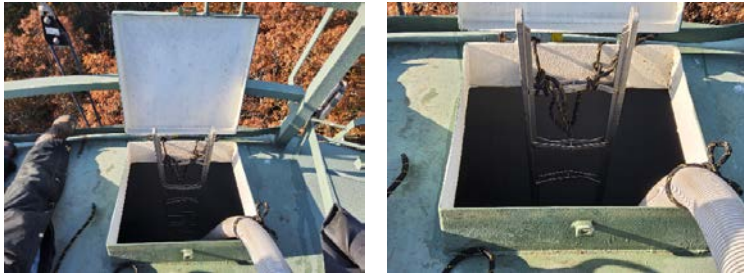


EXTERIOR HATCH

EXTERIOR HATCH	
How many hatches does this structure have?	2

HATCH #1	
Location #1	West
Location #2	Roof
Shape	Square
Length (in inches)	24
Width (in inches)	24
Is this hatch raised at least 4" above the roof?	Yes
What is the height this hatch is raised above the roof?	6
Does this hatch have an overlapping water tight lid?	Yes
Does this lid measure 2" in overlap?	Yes
Does this lid have a gasket?	No
Was this hatch opened during inspection?	Yes
Did this hatch function properly?	Yes
Is this hatch secured with a lock?	Yes
Is this hatch coated?	Yes
Condition of coating on exterior	Decline/Thinning/Chalking
Condition of coating on interior	Decline/Thinning/Chalking

Hatch Photos



HATCH #2	
Location #1	East
Location #2	Roof
Shape	Circle
Diameter (in inches)	24
Is this hatch raised at least 4" above the roof?	Yes
What is the height this hatch is raised above the roof?	6
Does this hatch have an overlapping water tight lid?	No
Was this hatch opened during inspection?	No
Is this hatch secured with a lock?	No
Is this hatch coated?	Yes
Condition of coating on exterior	Decline/Thinning/Chalking

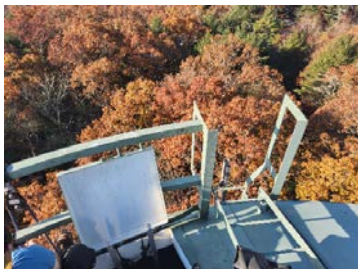
Hatch #2 Photos



SAFETY RAILINGS

EXTERIOR SAFETY RAILINGS	
Does this structure have safety railings?	Yes
What is the material of the safety railings?	Steel
Is this safety railing coated?	Yes
Condition of coating	Decline/Thinning
Is this safety railing at least 42" to 43" in height?	Yes
What is the diameter of the tubing? (In Inches)	2.5" angle
Does it span the circumference of the structure?	Yes
Does this railing have a mid rail?	Yes
Does this railing have a toe plate?	Yes
Is this safety railing secure?	Yes
What is the overall condition of this safety railing?	Good

Safety Railing Photos



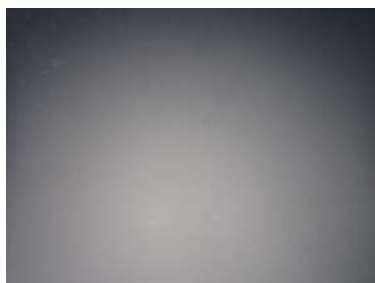
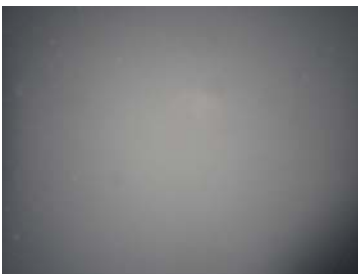
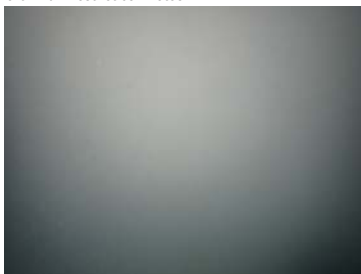
INTERIOR WALLS

INTERIOR WALLS AESTHETICS

INTERIOR AESTHETICS NORTH WALL

Is there Biofilm/Staining in this quadrant?	No
Is this quadrant coated?	Yes
Condition of Protective Coating	Good

North Wall Aesthetics Photos



INTERIOR WALLS AESTHETICS

INTERIOR AESTHETICS SOUTH WALL

Is there Biofilm/Staining in this quadrant?	No
Is this quadrant coated?	Yes
Condition of Protective Coating	Good

South Wall Aesthetics Photos





INTERIOR WALLS AESTHETICS

INTERIOR AESTHETICS EAST WALL	
Is there Biofilm/Staining in this quadrant?	No
Is this quadrant coated?	Yes
Condition of Protective Coating	Good

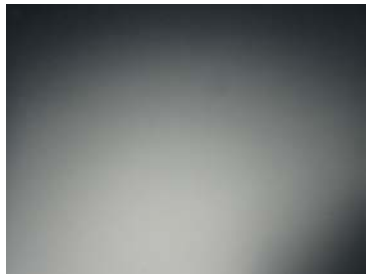
East Wall Aesthetics Photos



INTERIOR WALLS AESTHETICS

INTERIOR AESTHETICS WEST WALL	
Is there Biofilm/Staining in this quadrant?	No
Is this quadrant coated?	Yes
Condition of Protective Coating	Good

West Wall Aesthetics Photos





INTERIOR WALLS STRUCTURAL

UPPER SECTION NORTH WALL

Is there any sign of exposed steel in this section?	No
Is there any sign of corrosion in this section?	No
Is there any sign of pitting in this section?	No

MIDDLE SECTION NORTH WALL

Is there any sign of exposed steel in this section?	No
Is there any sign of corrosion in this section?	No
Is there any sign of pitting in this section?	No

LOWER SECTION NORTH WALL

Is there any sign of exposed steel in this section?	No
Is there any sign of corrosion in this section?	No
Is there any sign of pitting in this section?	No

Overall photo of entire quadrant



INTERIOR WALLS STRUCTURAL

UPPER SECTION SOUTH WALL

Is there any sign of exposed steel in this section?	No
Is there any sign of corrosion in this section?	No
Is there any sign of pitting in this section?	No

MIDDLE SECTION SOUTH WALL

Is there any sign of exposed steel in this section?	No
Is there any sign of corrosion in this section?	No
Is there any sign of pitting in this section?	No

LOWER SECTION SOUTH WALL

Is there any sign of exposed steel in this section?	No
Is there any sign of corrosion in this section?	No
Is there any sign of pitting in this section?	No

Overall photo of entire quadrant



INTERIOR WALLS STRUCTURAL

UPPER SECTION EAST WALL

Is there any sign of exposed steel in this section?	No
Is there any sign of corrosion in this section?	No
Is there any sign of pitting in this section?	No

MIDDLE SECTION EAST WALL

Is there any sign of exposed steel in this section?	No
Is there any sign of corrosion in this section?	No
Is there any sign of pitting in this section?	No

LOWER SECTION EAST WALL

Is there any sign of exposed steel in this section?	No
Is there any sign of corrosion in this section?	Yes
Percent (%) of corrosion in this section	Less than 5%
Is there any sign of pitting in this section?	No

Interior Lower East Wall Section- Photo of corrosion



Overall photo of entire quadrant



INTERIOR WALLS STRUCTURAL

UPPER SECTION WEST WALL

Is there any sign of exposed steel in this section?	No
Is there any sign of corrosion in this section?	No
Is there any sign of pitting in this section?	No

MIDDLE SECTION WEST WALL	
Is there any sign of exposed steel in this section?	No
Is there any sign of corrosion in this section?	No
Is there any sign of pitting in this section?	No

LOWER SECTION WEST WALL	
Is there any sign of exposed steel in this section?	No
Is there any sign of corrosion in this section?	No
Is there any sign of pitting in this section?	No

Overall photo of entire quadrant



ICE CAP FORMATION

INTERIOR WALLS	
Is there any damage on the interior walls / coating that could be the result of ice cap formation? I.e., ice scour	No

INTERIOR WALL WELDS

UPPER SECTION NORTH WALL	
Do all the welds in this section appear to be sound, free of fatigue / failure?	Yes
Does there appear to be any sign of leakage?	No

MIDDLE SECTION NORTH WALL	
Do all the welds in this section appear to be sound, free of fatigue / failure?	Yes
Does there appear to be any sign of leakage?	No

LOWER SECTION NORTH WALL	
Do all the welds in this section appear to be sound, free of fatigue / failure?	Yes
Does there appear to be any sign of leakage?	No

UPPER SECTION SOUTH WALL	
Do all the welds in this section appear to be sound, free of fatigue / failure?	Yes
Does there appear to be any sign of leakage?	No

MIDDLE SECTION SOUTH WALL	
Do all the welds in this section appear to be sound, free of fatigue / failure?	Yes
Does there appear to be any sign of leakage?	No

LOWER SECTION SOUTH WALL	
Do all the welds in this section appear to be sound, free of fatigue / failure?	Yes
Does there appear to be any sign of leakage?	No

UPPER SECTION EAST WALL	
Do all the welds in this section appear to be sound, free of fatigue / failure?	Yes
Does there appear to be any sign of leakage?	No

MIDDLE SECTION EAST WALL	
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

LOWER SECTION EAST WALL	
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

UPPER SECTION WEST WALL	
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

MIDDLE SECTION WEST WALL	
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

LOWER SECTION WEST WALL	
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

INTERIOR FLOOR

INTERIOR FLOOR NORTH QUADRANT AESTHETICS

INTERIOR AESTHETICS NORTH FLOOR	
Is there Biofilm/Staining in this quadrant?	Yes
Severity of biofilm/staining?	Mild
Is this quadrant coated?	Yes
Condition of Protective Coating	Decline/Thinning

North Floor Aesthetics Photos



INTERIOR FLOOR SOUTH QUADRANT AESTHETICS

INTERIOR AESTHETICS SOUTH FLOOR	
Is there Biofilm/Staining in this quadrant?	Yes
Severity of biofilm/staining?	Mild
Is this quadrant coated?	Yes
Condition of Protective Coating	Decline/Thinning

South Floor Aesthetics Photos



INTERIOR FLOOR EAST QUADRANT AESTHETICS

INTERIOR AESTHETICS EAST FLOOR

Is there Biofilm/Staining in this quadrant?	Yes
Severity of biofilm/staining?	Mild
Is this quadrant coated?	Yes
Condition of Protective Coating	Decline/Thinning

East Floor Aesthetic Photos



INTERIOR FLOOR WEST QUADRANT AESTHETICS

INTERIOR AESTHETICS WEST FLOOR

Is there Biofilm/Staining in this quadrant?	Yes
Severity of biofilm/staining?	Mild
Is this quadrant coated?	Yes
Condition of Protective Coating	Decline/Thinning

West Floor Aesthetic Photos

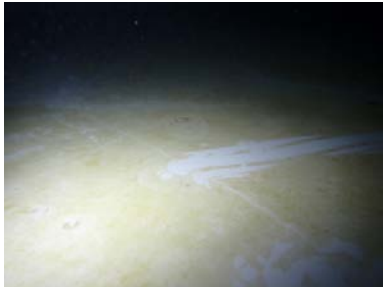


INTERIOR FLOORS STRUCTURAL

INTERIOR STRUCTURAL NORTH FLOOR

Is there any sign of exposed steel?	No
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

Overall Photo of Interior North Floor Quadrant



INTERIOR FLOORS STRUCTURAL

INTERIOR STRUCTURAL SOUTH FLOOR

Is there any sign of exposed steel?	No
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

Overall Photo of Interior South Floor Quadrant



INTERIOR FLOORS STRUCTURAL**INTERIOR STRUCTURAL EAST FLOOR**

Is there any sign of exposed steel?	No
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

Overall Photo of Interior East Floor Quadrant**INTERIOR FLOORS STRUCTURAL****INTERIOR STRUCTURAL WEST FLOOR**

Is there any sign of exposed steel?	No
Do all the welds in this section appear to be sound, free of fatigue /failure?	Yes
Does there appear to be any sign of leakage?	No

Overall Photo of Interior West Floor Quadrant**CLEANING****SEDIMENT REMOVAL**

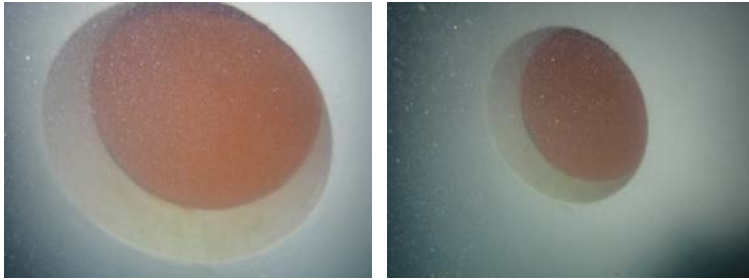
How much sediment was found on the bottom of this structure? (In Inches)	.625
Sediment appears to be:	Brown manganese with a white powder on the top layer
Was all sediment removed?	Yes

INTERIOR MANWAY**INTERIOR MANWAY**

How many interior manways does this structure have?	2
---	---

INTERIOR MANWAY #1	
Location #1	West
Location #2	Wall
Shape	Circle
Diameter	24
Height above floor (in inches)	30
Is this manway secure?	Yes
Is there any sign of leakage?	No
Is this manway coated?	Yes
Is there any signs of metal exposure?	No
Is there any sign of corrosion?	Yes
Is there any sign of fatigue/pitting?	No
What is the condition of the gasket?	Good
Is there an access ladder for this manway?	No

Interior Manway Photos

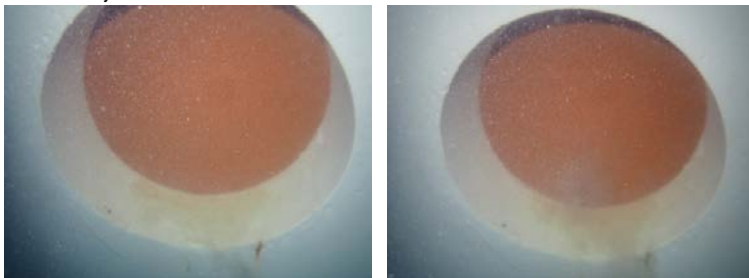


INTERIOR MANWAY #2	
Location #1	East
Location #2	Wall
Shape	Circle
Diameter	24
Height above floor (in inches)	30
Is this manway secure?	Yes
Is there any sign of leakage?	No
Is this manway coated?	Yes
Is there any signs of metal exposure?	No
Is there any sign of corrosion?	Yes
Is there any sign of fatigue/pitting?	No
What is the condition of the gasket?	Good
Is there an access ladder for this manway?	No

Interior Manway #2 Photo of corrosion



Interior Manway #2 Photos



INTERIOR PIPING

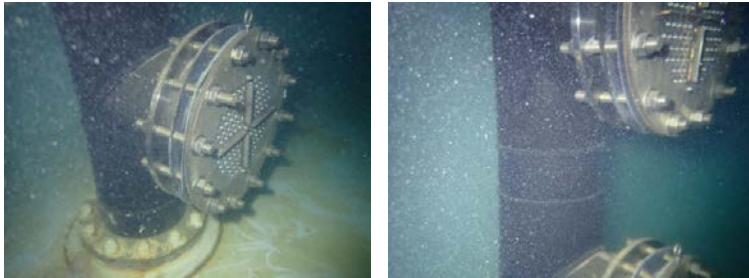
INTERIOR PIPING

How many pipes does this structure have?	1
--	---

PIPE #1

Where does this pipe penetrate the structure?	Floor
Does this pipe penetrate from a sump?	No
Does this pipe terminate within a sump?	No
What is the diameter of this pipe? (in inches)	14
What is the material of this pipe?	Steel
Is this pipe obstructed?	No
Is there anything on the end of this pipe?	Grate
Is this pipe coated?	Yes
Condition of coating	Good
Is this pipe supported?	Yes
How many places is this pipe supported?	7
What is the condition of the support(s)?	Excellent

Pipe #1 Photos



CATHODIC PROTECTION

INTERIOR CATHODIC PROTECTION

Does this structure have cathodic protection?	No
---	----

INTERIOR OVERFLOW

INTERIOR OVERFLOW

Does this structure have an interior overflow?	Yes
How many overflows does this structure have?	1

OVERFLOW #1

Location #1	South
Location #2	Wall
Is this overflow free of obstructions?	Yes
What is this overflow penetrating?	Wall
Where does this overflow terminate?	Approximately 1' from overhead
Is this overflow coated?	Yes
Condition of coating	Good
Is this overflow supported?	No

Overflow #1 Photo



INTERIOR LADDER

A. LADDER ACCESSIBILITY AND COMPLIANCE

Does this structure have an interior ladder	No
---	----

INTERIOR OVERHEAD

INTERIOR OVERHEAD AESTHETICS

NORTH OVERHEAD AESTHETICS QUADRANT

Aesthetic Deficiencies	No Visible Deficiencies	
Is this quadrant coated?	Yes	
Condition of Protective Coating	Good	
Is the hatch visible in this quadrant?	No	

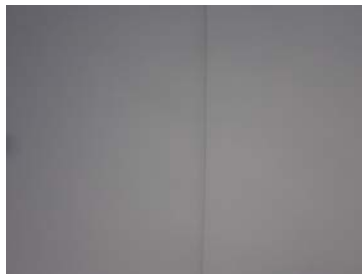
North Overhead Aesthetics Photos



SOUTH OVERHEAD AESTHETICS QUADRANT

Aesthetic Deficiencies	No Visible Deficiencies	
Is this quadrant coated?	Yes	
Condition of Protective Coating	Good	
Is the hatch visible in this quadrant?	No	

South Overhead Aesthetics Photos





EAST OVERHEAD AESTHETICS QUADRANT	
Aesthetic Deficiencies	No Visible Deficiencies
Is this quadrant coated?	Yes
Condition of Protective Coating	Good
Is the hatch visible in this quadrant?	No

East Overhead Aesthetic Photos



WEST OVERHEAD AESTHETICS QUADRANT	
Aesthetic Deficiencies	Mildew
Is this quadrant coated?	Yes
Condition of Protective Coating	Good
Is the hatch visible in this quadrant?	Yes
Aesthetic Deficiencies	Good

West Overhead Aesthetic Photos





OVERHEAD STRUCTURAL

NORTH OVERHEAD STRUCTURAL QUADRANT

Is there any sign of exposed steel?	No
-------------------------------------	----

OVERHEAD STRUCTURAL

SOUTH OVERHEAD STRUCTURAL QUADRANT

Is there any sign of exposed steel?	No
-------------------------------------	----

OVERHEAD STRUCTURAL

EAST OVERHEAD STRUCTURAL QUADRANT

Is there any sign of exposed steel?	No
-------------------------------------	----

OVERHEAD STRUCTURAL

WEST OVERHEAD STRUCTURAL QUADRANT

Is there any sign of exposed steel?	No
-------------------------------------	----

INTERIOR BEAMS

Does this structure have beams?	No
---------------------------------	----

WATER QUALITY

WATER QUALITY

Is there suspended particulate and/or color throughout the water column?	No
Water temperature at surface at time of inspection in fahrenheit.	47
Water temperature at bottom at time of inspection in fahrenheit.	47
Surface residual mg/L (total chlorine)	0
Is there a sample tap located at ground level?	Yes
Bottom residual mg/L (total chlorine)	0
Water Quality - Additional Notes	Excellent water allowing unlimited visibility

INTERIOR MIXER

INTERIOR MIXER

Does this structure have a mixer installed?	No
---	----

SITE SECURITY UPON COMPLETION

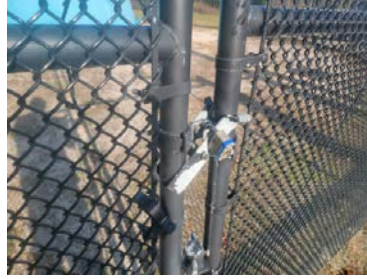
CLOSING FORM

Was there a lock on the hatch upon your arrival?	Yes
Was hatch locked at the completion of services?	Yes
Did this structure have a locked access gate?	Yes
Was gate locked after completion of services?	Yes
Did you dive for the services completed today?	Yes

Photo of locked hatch after completion of services



Photo of locked gate after completion of services



This report prepared by Aqueous Infrastructure Management Co. is based upon spot examination from readily accessible areas of the structure using visual and available non-destructive testing. Should latent defects or conditions which vary significantly from those described in this report be discovered at a later date, these conditions should be brought to the attention of Aqueous Infrastructure Management Co. or the structure manufacturer at that time. These comments should be viewed as information to be used by the Owner in determining the proper course of action and not to replace a complete set of specifications. All repairs should be done in accordance with A.W.W.A. and/or other applicable standards.

Aqueous Infrastructure Management Co.'s recommendations, remedial action and infrastructure asset management plan is being processed and will be uploaded into your platform within 30 days for your review.

North Central Texas Council of Governments
Tabulation Report RFP #2024-135 - Water Storage Tank Inspection &
Cleaning Services
Vendor: Underwater Solutions Inc.

General Comments: A more detailed explanation of the pricing method can be explained via phone call or email. Each specific work order will be assigned a number of days to completion. For example, a 6.0MG tank will take three days to remove a normal amount of sediment from the interior. The full inspection and sediment removal day rate is \$4,500, plus two additional days at \$3,200 would bring the total cost of that tank to \$10,900. A full report and recommendation list is included for each structure, and is automatically added into our online asset management platform for viewing 24-7.

General Attachments: 2024-135 Water Storage Tank Inspection - Cleaning - Final Aqueous.pdf
AIM_OnePager.pdf
Kasco-Certisafe-Flyer-32018.pdf
Pantonite Brochure.pdf
Price Work Book North Texas.pdf
Sample Underground Concrete Tank.pdf
Steel Report Demo.pdf
Technical Proposal - Final.pdf

A large, white, dome-shaped water storage tank with a metal lattice structure supporting it, set against a clear blue sky. The tank is the central focus of the image.

Bid RFP #2024-135 - Water Storage Tank Inspection & Cleaning Services

Prepared By:

Aqueous Infrastructure Management
Dominic Heller, Water Systems Advisor
dominic@aqueousco.com

Prepared For:

North Central Texas Council of
Governments Board of Public Works
616 Six Flags Drive
Arlington, TX 76011

October 14th 2024



Letter of Transmittal

Dear Selection Committee,

Thank you for the opportunity to respond to your request for proposal (RFP) for the Water Storage Tank Maintenance Program. We are excited about the opportunity to work with North Central Texas Council of Governments and it's members to help maintain their critical water storage assets.

As you review this response you will see our experience, capabilities and services make us a highly qualified candidate for this project. Aqueous Infrastructure Management (AIM) provides tank services and consultations to thousands of municipal and commercial tank owners nationwide. We provide repairs, renovations, and maintenance services for specific asset needs based on conditions, compliance, and level of service needs. AIM works with municipalities to establish both short and long term budgets for immediate needs and capital planning.

Aqueous Infrastructure Management is currently providing long term contracts for inspections, cleaning, and maintenance of steel and concrete assets to various clients in multiple states including, but not limited to:

CUSTOMERS		
Hinsdale, NH 4 water tank assets since 1990	Albany, NY 3 water tank assets	Concord, NH 8 water tank assets
Veolia – Gloucester, MA 3 water tank assets	Dracut, MA 1 water tank asset	Exeter, NH 6 water tank assets
Orange County Utilities, FL 26 water tank assets	Orlando Utilities Commission, FL 14 water tank assets	
Deerfield Beach, FL 9 water tank assets	Sunrise, FL 11 water tank assets	

We acknowledge, and our proposal takes into consideration, two addenda, dated 09/30/2024 and 10/9/2024.

For questions about our application or to provide updates about the review process, please contact Dominic Heller, at Dominic@aqueousco.com or 508-635-1229. We look forward to hearing from you soon.

Sincerely,

David Cornish
President
Aqueous Infrastructure Management
david.cornish@aqueousco.com

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PROJECT IMPLEMENTATION
PLAN





Company History

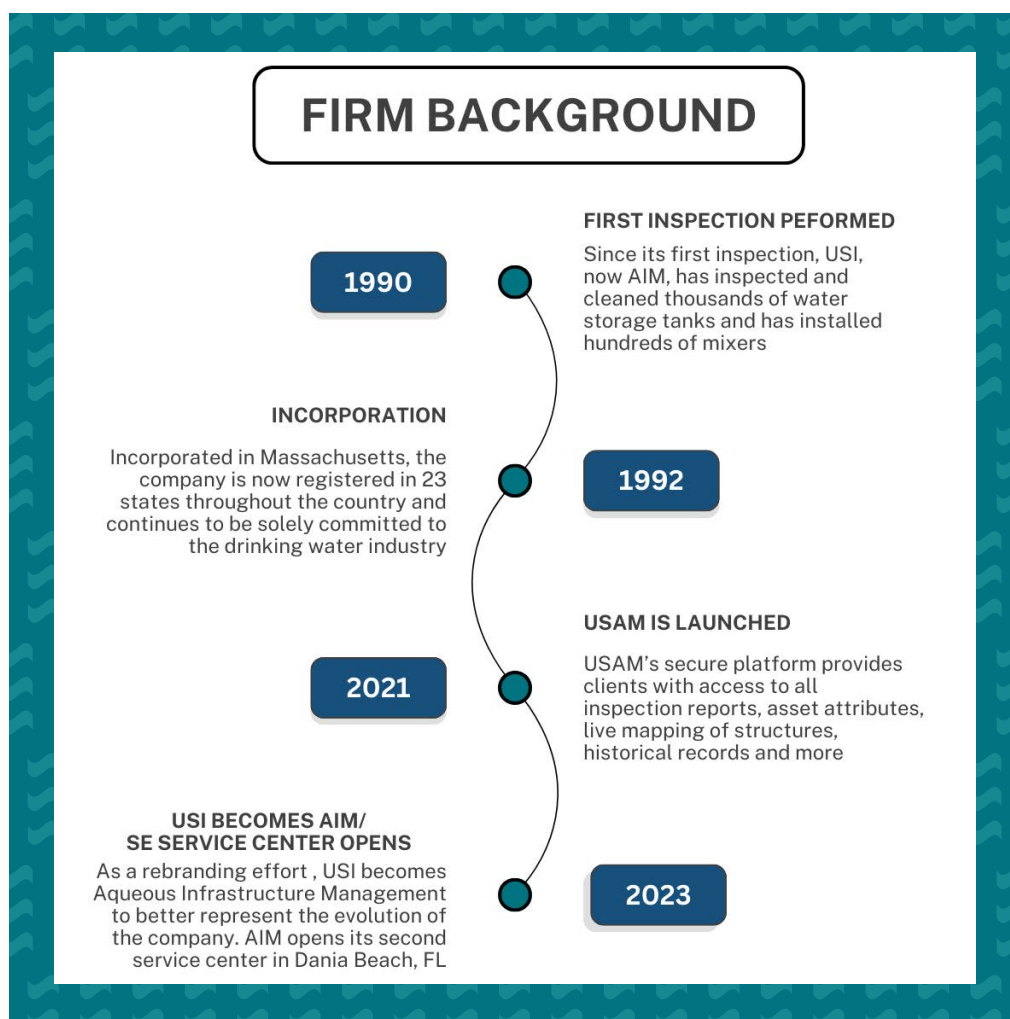
Aqueous Infrastructure Management, formerly Underwater Solutions, Inc., is a small, local, family-owned, second-generation business that takes great pride in serving the water industry not only in New England but throughout the United States. AIM specializes in inspections, maintenance, renovations and asset management of critical water infrastructure to include water tanks, surface water intake pipes, water and wastewater plants, filters and clarifiers.

As a leader in the water industry, in 2021 Aqueous Infrastructure Management launched USAM, the first-ever automated infrastructure asset management platform to help municipalities track and maintain critical water assets. In 2024, Aqueous brought the technology in house and launched our own custom asset management platform AutoStructure. The platform is designed to provide seamless communication and full transparency to inspect, repair and upgrade all aspects of your structures and serve as a valuable Asset Management tool. AIM is always striving to keep ahead of industry trends and integrating technology into everything we do.

To better serve our customers and offer sustainable solutions, AIM has partnered with industry leaders to enhance our service offerings for improving water quality and asset maintenance and preservation. Partners include Kasco® CertiSafe Mixers for NSF approved active potable water storage tank mixing solutions



and Panton McLeod for the NSF approved Pantonite™ chemical to clean tanks, filters, media and other structures.





Personnel and Qualifications

Aqueous Infrastructure Management has an experienced team dedicated to the water industry. We take pride in our hiring and training practices to ensure the highest levels of professionalism and safety. It is our pleasure to introduce you to the individuals who will be involved and committed to your project:

LEADERSHIP TEAM

David Cornish - President and CEO: david.cornish@aqueousco.com

Kelly Pimental - COO: kelly.pimental@aqueousco.com

Romario Jashari - CTO: romario@aqueousco.com



SALES TEAM

Water System Advisor Jon Martens, jon.martens@aqueousco.com

Water System Advisor Dominic Heller, dominic.heller@aqueousco.com

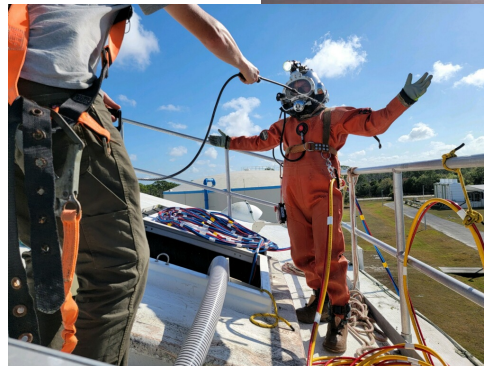
SUPPORT TEAM

Executive Administrative Assistant Lucia Gomes, lucia.gomes@aqueousco.com

FIELD SERVICES TEAM

Our highly-skilled and qualified field team will be committed to your project and involved in every step of the way. The combined qualifications and years of experience of our three field teams makes AIM readily available and best suited to take on the challenge of maintaining any assets in a variety of different conditions.

Depending on the severity of issues, we can be mobilized in as little as a week to help address any issues member organizations are facing.



Aqueous Infrastructure Management Staff currently holds the following certifications:

- | | |
|---|---|
| <ul style="list-style-type: none"> • Certified NACE Coating Inspectors • Professional Engineer • ANSI/ACDE 01 • 2A Hoisting License • OSHA Fall Prevention • OSHA Confined Space Entry Certified • OSHA 10-Hour/30-Hour Training • Remote Pilot (Drone) License • Rigging to API RP-2 • 40-Hour Hazardous Site Worker • Diver Certifications | <ul style="list-style-type: none"> • Treatment Grade I • Distribution Grade II • CPR/AED/First Aid • Conducting On-Site Neurological Assessment • Administering Emergency Oxygen • Epinephrine Auto-Injector Training • Asthma Inhaler Training • Bloodborne Pathogens Training • Level-I Liquid Penetrant • Level-I Magnetic Particle • Confined Space Rescue Certified |
|---|---|

*Copies of certifications available upon request



Methods, Materials, Equipment and Health and Safety

Allow us to show you why our methods and services will be most beneficial to the North Central Texas Council of Governments. Below is a summary of our services that are available throughout the contract period. We do all our work with the health and safety of all as our top priority.

**SUSTAINABLE SOLUTIONS FOR
THE REVITALIZATION AND
SUSTAINABILITY OF THE
NATIONS' WATER
INFRASTRUCTURE**

INSPECTIONS

AIM's inspections for the North Central Texas Council of Governments will help you understand the current condition of your tank assets, identify deficiencies, establish priorities, non-compliance issues, sanitary conditions, assess likelihood of failure, protect water quality, reduce risk of compliance issues and make recommendations to bring the tanks up to the best level of service.

CLEANING

Cleaning is an important activity for maintaining water storage tanks, preserving coatings and managing water quality. Cleaning tanks reduces risk of exposure for impaired water. AIM will provide cleaning services for the North Central Texas Council of Governments to include power washing and chemical cleaning to manage inorganic, organic, mildew and biofilm buildup.

MAINTENANCE

AIM develops scopes of work, successfully manages and delivers repairs and renovation services for tank, intake, and filter assets. Specialty services are provided to bring assets up to best condition and implement time-based services that include preventive and proactive maintenance efforts to preserve, protect and establish sustainability of assets at the lowest life cycle cost.

We AIM to please

877-821-6138

RISK MANAGEMENT

Through routine inspections, cleaning and maintenance efforts, risk is mitigated, likelihood of failure is monitored, probability of failure reduced and consequence of failure avoided. AIM project managers and consultants work with tank owners to effectively maintain and manage tanks assets to reduce financial, environmental and social impact.

WHY CHOOSE US?

We understand the importance of clean drinking water. Our tank assessments will focus on Safety, Security, Sanitary, Structure and Coating conditions. We utilize EPA and State regulations, AWWA guidelines, best practices and new, innovative technologies to make recommendations for improving and maintaining your tank assets.

Methods



AIM utilizes a pit depth micrometer to measure interior/exterior metal pitting. AIM also utilizes a dry film thickness gauge on the asset interior and exterior.

Materials



AIM is a licensed distributor and applicator for Pantomite™, an NSF 60 approved chemical used to clean tanks, filters, media and more.

Deliverables



Inspection reports will be made available to through AutoStructure. The service is free to our active customers.

BEFORE AND AFTER PHOTOS OF AN INTERIOR CLEAN WITH PANTONITE™

BEFORE



AFTER



BEFORE AND AFTER PHOTOS OF RENOVATIONS AND REPAIRS

BEFORE



AFTER



NSF International

789 N. Dixboro Road, Ann Arbor, MI 48105 USA

RECOGNIZES

Panton McLeod Americas LLC
Facility: Terryville, USA

AS COMPLYING WITH NSF/ANSI/CAN 60 AND ALL APPLICABLE REQUIREMENTS.
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE
AUTHORIZED TO BEAR THE NSF MARK.



This certificate is the property of NSF International and must be returned upon request. This certificate remains valid as long as this client has products in NSF's Official Listings for the referenced standards. For the most current and complete Listing information, please access NSF's website (www.nsf.org).

Theresa Bellish

January 22, 2020
Certificate# C0483675 - 01

Theresa Bellish
General Manager, Water Systems

Subcontractors

For the duration of this contract, the interior and exterior coatings will be completed by RJ Forbes. AIM will perform all other portions of the work.

Please find references and photos about RJ Forbes on the following pages.



MEMORANDUM

TO: Whom it May Concern

FROM: Mike Woessner

DATE: April 1, 2022

SUBJECT: RJ Forbes Painting Contractor, Inc.
Tnemec Applicator Memo

CC: File.

To Whom It May Concern:

Please let this memo confirm that RJ Forbes Painting Contractor, Inc. is a qualified installer of Tnemec materials for water storage tanks and all other industrial applications. They have been trained and have extensive experience in the application of all specified materials and equipment needed for these applications. If further information is required please feel free to contact us at any time. We can be reached at (800) 533-3003.

Respectfully Submitted,



Michael Woessner
Righter Group, Inc.
Representing Tnemec Company, Inc.



228 O'Neil Blvd.
Attleboro, MA 02703
Tel: 508-226-4858 • Fax: 508-222-0874
www.rjforbespainting.com

Water Storage Tank Reference List

Scituate Hill Tank Painting Town of Cohasset MA	09/18-10/18	\$280,000
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Contact:

Jason Federico

781-383-4100 x 5125

jfederico@cohassetma.org

1.8 MG water storage tank

The project scope consisted of prep and overcoat of the tank exterior with RD coatings, the chemical cleaning Pantomite PM 88 and touchup of the interior tank surfaces.

Exterior Tank Coating Schedule

Prime Coat: RD Coatings – RD Elastometal applied at 7.0-8.0 mils DFT.

Finish Coat: RD Coatings – RD Monoguard applied at 3.0-4.0 mils DFT.

Bear Hill Standpipe Town of Cohasset MA	9/16-11/16	\$192,400.00
--	-------------------	---------------------

Contact:

Jason Federico

Town of Cohasset Engineering Department

781-383-4100 x5125

jfederico@cohassetma.org

Carl Hillstrom

chillstrom@woodardcurran.com

2.0MG Water storage tank

This contract was to prep and install a new exterior coating system, as well as chemically clean the interior shell with Pantomite PM 88

Exterior Tank Coating Schedule

Spot Prime Coat: RD Coatings – RD Elastometal applied at 6.0-7.0 mils DFT.

Intermediate Coat: RD Coatings – RD Elastometal applied at 6.0-7.0 mils DFT.

Finish Coat: RD Coatings – RD Metal Unicoat applied at 4.0-6.0 mils DFT.

Avery Heights Water Storage Tank
Town of Holden, MA

8/2015 – 11/2016

\$664,100

Contact:

CDM Smith, Inc.

Thomas V. Tran, Construction Coordinator

trantv@cdmsmith.com

401-457-0379

Cell: 617-407-4887

Ryan S. Mouradian, P.E.

Water & Sewer Superintendent,

Holden Department of Public Works

1196 Main Street, Holden, MA 01520

1.03 MG

The full restoration of the interior and exterior steel surfaces by abrasive blasting followed by the install of Sherwin Williams coating system, new manway, new roof ladder system, frost free vent, and concrete foundation repair.

All Interior Surfaces

Coat 1: B65G00011 - Corothane® I Galvapac One Pack Zinc Primer Gray Gray

3.0-4.0 DFT

Pit Filler: B58W00910 - Steel-Seem FT910 Epoxy Patching And Surfacing Compound Resin

Fill Pits

Stripe Coat: B58WX0610 - Macropoxy® 646 PW Potable Water Epoxy

3.0-4.0 DFT

Shell and Floor Only

Coat 2: B62W00211 - Dura-Plate UHS

25.0-30.0 DFT

Exterior Finishes

Steel

Coat 1: B65G00011 - Corothane® GalvaPak Zinc Primer Moisture Cure Urethane 1K Gray Gray

3.0-4.0 DFT

Coat 2: B58W00610 - Macropoxy® 646 Fast Cure Epoxy

3.0-5.0 DFT

Coat 3: B65W00311 - Hi-Solids Polyurethane Gloss

2.5-3.5 DFT

Albion Water Storage Tank	4/25/2016 – 6/15/2016	\$133,000
Lincoln Water Commission - Lincoln RI		
Contact: Romeo Mendes P.E. - Superintendent (401) 334-0735 Romeo@lincolnwatercommission.com		

2.0 Mil Gallon Tank

This project consisted of the Full Exterior of the 2.0 Mil Gallon Tank - recoating pressure wash and sspc-sp3 rusted or peeling areas feather edges and spot prime followed by two full coats, installation of ladder system, site grading, re-grouting of foundation of tank, overflow box reconstruction including abrasive blasting, inspection, reconstruction, and relining, disinfecting/chlorination of the whole tank interior.

Exterior Tank Coating Schedule

Spot Prime Coat: Tnemec Series 27-1211 (Red) Typoxy applied at 3.0-4.0 mils DFT.
Intermediate Coat: Tnemec Series 27 Typoxy (Color TBD) applied at 3.0-5.0 mils DFT.
Finish Coat: Tnemec Series 73 Endura-Shield applied at 2.5-3.0 mils DFT.

Leicester South Water Tank	6/2016– 8/2016	\$214,900
Town of Leicester MA		

Contact:

Herbert G. Stine (Gary Stine)
District Engineer
(508) 892-8484 x 107
(413) 896-7797
garystine6641@yahoo.com
gary@lwsd.net

.60MG Water storage tank

This Project consisted of the Exterior prep and overcoat with a Tnemec coating system as well as interior cleaning in the installation of a mixing system with spot repaired to disturbed areas.

Exterior Finishes

Steel

Tnemec Series 1 Omnithane, applied to cleaned to bare metal surfaces at 2.5-3.0 mils dft.
Full Intermediate Coat to Tank Exterior:
Tnemec Series 27 Typoxy 32GR, applied to all shell wall surfaces at 3.0-5.0 mils dft.
Finish Coat to Tank Exterior:
Tnemec Series 73 Endurashield, applied to all shell wall surfaces at 2.5-3.0 mils dft

Interior Finishes

Steel

Spot Finish Coat to Tank Interior (Floor and Ceiling):
Tnemec Series N140 Pota-Pox Plus, applied to spot primed wall surfaces at 5.0-6.0 mils dft.
Spot Prime Coat to Tank Interior (Walls):
Tnemec Series 260 Tneme-Bond, applied to cleaned to bare metal surfaces at approximately 600 sq. ft. per gallon.
Spot Finish Coat to Tank Interior (Walls):
Tnemec Series 265 Elasto-Shield, applied to spot primed wall surfaces at 50.0-60.0 mils dft.

Samoset St Water Tank Town of Plymouth	9/15-12/15	\$655,000
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Contact:

Rich Tierney – Plymouth Water Superintendent (508) 830-4162 x 140

Engineer: Hayley and Ward, Inc. Gregory Eldridge (978) 648-6025 geldridge@haleyward.com

800,000G water storage tank

This project consisted of the complete rehabilitation to the exterior and interior of a 800,000 Gallon steel water storage tank including installation of new manway, roof railing system, Tideflex mixing system, concrete foundation repair, concrete pad placement for new control station, new concrete overflow zone.

Walls and Floor:

Prime Coat: Tnemec Series 94H20 Hydro Zinc applied at 2.5-3.5 mils DFT.
Pit Filler: Tnemec Series 215 Surfacing Epoxy
Stripe Coat: Tnemec Series N140 Pota-Pox Plus applied at 2.5-3.0 mils DFT.
Finish Coat: Tnemec Series FC22 Epoxoline applied at 25.0-35.0 mils DFT.

Exterior Tank Coating Schedule

Prime Coat: Tnemec Series 94H20 Hydro Zinc applied at 2.5-3.5 mils DFT.
Stripe Coat: Tnemec Series 27 Typoxy applied at 3.0-3.5 mils DFT.
Intermediate Coat: Tnemec Series 27 Typoxy applied at 3.0-3.5 mils DFT.
1st Finish Coat: Tnemec Series 73 Endura-Shield applied at 2.5-3.0 mils DFT.
2nd Finish Coat: Tnemec Series 73 Endura-Shield applied at 2.5-3.0 mils DFT.

Barnstable Tank No. 1 & Appurtenant Work - 2015 Town of Barnstable, MA	\$365,850
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Contact: Thomas Rooney – Superintendent (508) 362-6498

Engineer: Leo Yuskus (781) 910-0676

275,000Gal Water storage tank

This project consisted of the full exterior recoating, interior cleaning recoating, and chlorination, along with the installation of a mixing system, roof railings and frost-free roof vent.

Walls and Floor:

Prime Coat: Tnemec Series 94H20 Hydro Zinc applied at 2.5-3.5 mils DFT.
Pit Filler: Tnemec Series 215 Surfacing Epoxy
Stripe Coat: Tnemec Series N140 Pota-Pox Plus applied at 2.5-3.0 mils DFT.
Finish Coat: Tnemec Series 406 Elasto-Shield applied at 40.0-60.0 mils DFT.

Interior Roof, Roof Support Structure, etc:

Prime Coat: Tnemec Series 94H20 Hydro Zinc applied at 2.5-3.5 mils DFT.
Pit Filler: Tnemec Series 215 Surfacing Epoxy
Stripe Coat: Tnemec Series N140 Pota-Pox Plus applied at 2.5-3.0 mils DFT.
Intermediate Coat: Tnemec Series N140 Pota-Pox Plus applied at 4.0-6.0 mils DFT.
Finish Coat: Tnemec Series N140 Pota-Pox Plus applied at 4.0-6.0 mils DFT.

4.3 Exterior Tank Coating Schedule

Prime Coat: Tnemec Series 94H20 Hydro Zinc applied at 2.5-3.5 mils DFT.
Stripe Coat: Tnemec Series 27 Typoxy applied at 3.0-3.5 mils DFT.
Intermediate Coat: Tnemec Series 27 Typoxy applied at 3.0-3.5 mils DFT.
1st Finish Coat: Tnemec Series 73 Endura-Shield applied at 2.5-3.0 mils DFT.
2nd Finish Coat: Tnemec Series 73 Endura-Shield applied at 2.5-3.0 mils DFT.

Rehab of Water Storage Tank #1**5/2017 – 8/2017****Town of Richmond RI****Jonathan S. Gerhard, P.E.**

Vice President / Managing Engineer

C&E Engineering

342 Park Avenue

Woonsocket, RI 02895

Phone: 401-762-1711 / Fax: 401-235-9088

jgerhard@ceengineer.com**.30MG water storage tank****Exterior Steel (Exposed to the Weather) (Complete Recoating) – Zinc/Epoxy/Polyurethane Coating System:**

1st Coat: Tnemec Series 94 H2O HydroZinc @ 2.5-3.5 mils dry.

2nd Coat: Tnemec Series 27-32GR @ 3.0-3.5 mils dry.

3rd (and 4th if required) Coat: Tnemec Series 73 (color) @ 2.5-3.0 mils dry.

B. Interior Steel Wet Area (Exposed to Potable Water) (Complete Recoating) – Zinc/High-Build/100% Solids/Epoxy Coating System:

1st Coat: Tnemec Series 94 H2O HydroZinc @ 2.5-4.0 mils dry

Pit Filling: Tnemec Series 215 Surfacing Epoxy (as required for pits)

Stripe Coat: Apply ONE stripe coat of Tnemec Series N140 Pota Pox Plus at all interior weld seams and leading edges @ 2.5-3.0 mils dry

Finish Coat (walls/floor): Apply ONE full finish coat of Tnemec Series 22 or FC22, WH11 White Epoxoline, minimum 100% solids by volume, nonsolvent bearing epoxy, applied to 25.0-35.0 mils dry to all water bearing surfaces

Kendall Hill Water Storage Tank -**September 2013****\$169,200**

Town of Sterling, MA

Contact: Superintendent - Paul Lyons- 978-422-6767

Engineer: AP Associates-Ali Parand 508-376-2670

250,000 Gal water storage tank

The complete surface preparation of the interior and exterior surfaces were abrasive blasted and coated with a Tnemec coating system

Section 09950 – Interior Water Chamber Painting

Tnemec System:

Prime Coat: Tnemec Series 94H2O Hydro Zinc applied at 2.5-3.5 mils DFT.

Pit Filler: Tnemec Series 215 Surfacing Epoxy

Stripe Coat: Tnemec Series N140 Pota-Pox Plus applied at 3.0-5.0 mils DFT.

Finish Coat: Tnemec Series 406 Elasto-Shield applied at 45.0-60.0 mils DFT.

Section 09960 – Exterior Tank Painting

B. Tnemec System:

Spot Coat: Tnemec Series 1 Omnithane applied to all areas of bare metal at 2.5-3.5 mils DFT.

Second (Full) Coat: Tnemec Series 27WB or 27 Typoxy applied at 3.0-4.0 mils DFT.

Finish (Full) Coat: Tnemec Series 73 Endura-Shield applied at 2.5-3.5 mils DFT.

Albion Water High Priority Service Tank - Roof Repairs September 2020 \$50,000
Lincoln Water Commission - Lincoln RI
Contact: Romeo Mendes P.E. - Superintendent (401) 334-0735 Romeo@lincolnwatercommission.com

1.0 Mil Gallon Tank

This project is currently underway - complete Roof Repairs/Overcoating (Photos below)
RD Coatings



228 O'Neil Blvd Attleboro, MA 02703
Tel: 508-226-4858 • Fax: 508-222-0874
www.rjforbespainting.com
Email: adam1@rjforbespainting.com





























REFERENCES

Aqueous Infrastructure Management Service References

Name	Town/City & State	Phone	E-mail
Michael Arruda	Taunton, MA	508-813-5659	arruda@taunton-ma.gov
Joshua Niemann	Deerfield Beach, FL	954-480-4369	jniemann@deerfield-beach.com
Andrew Wilson	Orange County, FL	407-254-7809	andrew.wilson2@ocfl.net
Robert Oullette	North Tiverton, RI	401-413-8417	ntwater@northtivertonwater.org
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A low-angle photograph of a white water tower against a clear blue sky. The tower has a spherical top and is supported by several vertical white pillars. A dark blue rectangular box with a white wavy pattern is overlaid on the lower part of the image.

**THANK
YOU**