



June 5, 2018

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Via E-mail: [Christopher.Zavatsky@tetrattech.com](mailto:Christopher.Zavatsky@tetrattech.com)

Tetra Tech  
450 North Park Road, Suite 502  
Hollywood, FL 33021

**WORK AUTHORIZATION No.3 (WA-3)**  
**SCOPE OF SERVICES & COST PROPOSAL: "CHEMICAL FEED" BUILDING**  
**TASK 2.0 - PROJECT SPECIFICATION & TASK 5.4 - QA INSPECTIONS**

Dear Mr. Zavatsky,

Revay Coating Consultants, Inc. (RCCI) is pleased to provide this proposal for the subject services. This proposal covers the costs for **Task 2.0**: Produce a detailed Project Specification, as well as **Task 5.4**: Perform QA (Quality Assurance) Hold-Point Inspections during the Surface Preparation and after the Coating Application processes on the "Chemical Feed" Building. The Project Specification and QA Hold-Point Inspections will be performed on the "Chemical Feed" Building that is located at the Pompano Beach Public Works Water Treatment Plant, and the address is 1205 NE 5th Avenue, Pompano Beach, FL 33060.

**SCOPE OF SERVICES**

WA-3 includes two separate services that will be performed by Revay Coating Consultants, Inc.; the services will be listed as "Task 2.0" and "Task 5.4".

**SCOPE OF SERVICES: WA-3 TASK 2.0 - PROJECT SPECIFICATION**

RCCI will review the drawings of the "Chemical Feed" building, identify and confirm what areas are to be prepared and coated, calculate the square footage of the surfaces that will be prepared and coated, and assist Tetra Tech / Pompano Beach Water Authority with locating qualified and reputable paint contractors. RCCI will also perform site-visits, as needed, to ensure that the information that will be presented in the Project Specifications is accurate and up-to-date. RCCI will then produce two detailed Project Specifications, that are custom built for each of the building's unique site-specific details/characteristics. The two Project Specifications will provide instructions/guidelines for the Paint Contractor to adhere to; including the following: which areas are to be prepared and coated, industry standards (SSPC/NACE/ASTM) for proper surface preparation, coating application, a list of recommended products/materials for the paint contractor to use, and which colors will be applied to specific locations on each of the buildings. The Project Specifications will be as specific as possible, to reduce or eliminate the possibility of change orders.



#### **SCOPE OF SERVICES: WA-3 TASK 5.4: QA HOLD-POINT INSPECTIONS**

This Task covers all QA Hold-Point Inspections, Testing, and Documentation for the "Chemical Feed" Building. The building contains unique features, such as stairs, piping/conduit, fireproofing, expansion joints, etc. that have been taken into consideration. RCCI will perform QA Hold-Point Inspections of the surface preparation and coating application that will be completed by a (TBD) Paint Contractor. Included in the QA Hold-Point Inspections will be each of the Building's 15 ft. X 30 ft. Sheds, any/all of the building's piping/conduit, expansion joints, and fireproofing. The QA Hold-Point Inspections will consist of the following:

- Pre-Surface Preparation Conditions
- Required Protective Coverings Locations
- Ambient Conditions and Surface Temps
- Compressed Air Cleanliness
- Post-Surface Preparation & Cleanliness
- Materials' Data (Batch #s, Amounts, & Colors)
- Application Info (Method, Mix, Dates, & Times)
- Material Storage Location & Conditions
- Wet and/or Dry Film Thicknesses
- Inter-Coat Cleanliness
- Recoat Times
- Final Inspections
- Detailed Inspection Reports including annotated photos

Below is a list of what items will be inspected during production work:

#### **"Chemical Feed" Building**

##### QA Hold-Point Inspections of the following items:

- Exterior Coating System - excluding the roof (Surface Prep and Coating Application)
- Exterior Coating System of Concrete/Stucco Shed (WNW of the Chem. Building)
- Expansion Joints (Removal, Surface Prep, and Material Application)
- Piping / Conduit (Surface Prep and Color-Coded Coating Application)
- Spot Repair of the Fireproofing (Surface Preparation and Primer Application/Cure Only)
- Final Inspection

#### **PROJECT TEAM**

The Project Manager will be David V. Revay and the Project's QA Inspector will either be David V. Revay (Jr.), or David M. Revay (Sr.); both are Level 3 - NACE Certified Coating Inspectors.

#### **QUALIFICATIONS TO PROPOSAL**

Revay Coating Consultants, Inc. will provide standard PPE to its employee(s) throughout the duration of the project.





### **WA-3 TASK 2.0 COST - PROJECT SPECIFICATION**

RCCI's cost to perform the scope of work for Task 2.0, as described above, is as follows: a lumpsum of \$5,000 (USD). WA-3 Task 2.0 addresses the Project Specification design and development in regard to the Exterior Coating System of the "Chemical Feed" Building, the Chemical Feed Building's Auxiliary Shed, Piping/Conduit, and Expansion Joints. This cost is to review drawings, determine the square footage of the areas to be prepared and coated, complete the pre-construction site-visits (maximum of 3 site-visit), and attend pre-construction meetings (maximum of 2 pre-construction meetings). If the need for additional labor from RCCI, or the need for a change in work scope or cost, RCCI will first contact you to discuss our findings and obtain your approval to modify the statement of work and/or cost. If RCCI is asked to perform additional Consulting Services, beyond what is stated in this Scope and Cost Proposal, RCCI will charge \$190.00/hour.

### **WA-3 TASK 5.4 COST - QA HOLD-POINT INSPECTIONS**

RCCI's cost to perform the Scope of Services for Task 5.4, as described above, will be based off of a Time and Material Rate (T&M), in conjunction with the estimated amount of time that it will take to complete the "Chemical Feed" Building. The hourly rate to perform the QA Hold-Point Inspections is set at \$145.00/hour; which includes all labor and equipment required for the on-site testing. RCCI is estimating that WA-3 Task 5.4 will take approximately 94 hours of coating inspections to complete. This estimated amount of time puts the total cost for WA-3 Task 5.4 at \$13,630. RCCI will charge a minimum of 3 hours per site-visit during scheduled Inspections. However, the minimum site-visit charge is reduced down to 1-hour for general site-visits, meetings, or other on-site needs that do not involve Inspection Services. Should the actual schedule result in the need for additional or less labor for RCCI, or a change in the work scope or cost, RCCI will first contact you to discuss our findings and obtain your approval to modify the statement of work and/or cost. Page 4 of this Proposal provides a breakdown of the estimated inspections, times, and costs. RCCI has removed the "Touch-up" Inspections, as well as, the "During-Application" Inspections to reduce the overall cost of the QA Hold-Point Inspection services. If RCCI is requested to perform the "Touch-up" Inspections and/or the "During-Application" Inspections, then the hourly rate of \$145/hour will apply. Also, this QA-Hold Point Inspection estimate is based-on a 2-coat system (Prime Coat + Finish Coat). If the chosen coating system consists of a 3-coat system, then additional inspections will need to be added to this estimate.



#### **ESTIMATED INSPECTION TIME BREAKDOWN**

##### **(WA-3A) - Exterior Coating System Inspections (including 1 Shed)**

(6 Hours) Pre-Surface Preparation Inspection  
(12 Hours) Post-Surface Preparation Inspection (Building, Pipes/Conduit, and Expansion Joints)  
(10 Hours) Post-Prime Coat Application Inspection (Building only)  
(10 Hours) Post-Finish Coat Application Inspection (Building only)  
(12 Hours) Final Inspection of Building's Exterior Coating System (Building only)  
**50 Hours X \$145 = \$7,250**

##### **(WA-3B) - Metal Pipes / Conduit**

(8 Hours) Post-Prime Coat Application Inspection  
(8 Hours) Post-Finish Coat Application Inspection  
(8 Hours) Final Inspection  
**24 Hours X \$145 = \$3,480**

##### **(WA-3C) - Joint Sealant Application**

(4 Hours) Backing Rod and Prime Coat Application Inspection  
(4 Hours) Post-Joint Sealant Application Inspection  
**8 Hours X \$145 = \$1,160**

##### **(WA-3D) - Chemical Feed Building - Fireproofing**

(4 Hours) Post-Surface Preparation - Inspection  
(4 Hours) Post-Prime Coat Application Inspection  
(4 Hours) Final Inspection of Pre-Fireproofing Substrates  
**12 Hours X \$145 = \$1,740**

***Total Time and Cost Estimate for QA Inspections on the "Chemical Feed" Building: 94 hours and \$13,630.***

We at Revay Coating Consultants, Inc. sincerely appreciate the opportunity to support Tetra Tech and Pompano Beach Public Works on this important project. This proposal is respectfully submitted for your review and consideration by:

##### ***David V. Revay***

*NACE Certified Coatings Inspector – Level 3 (#37047)*

*NACE CP1 – Cathodic Protection Tester (#68017)*

##### **Revay Coating Consultants, Inc.**

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