

**Chugach Electric Association, Inc.
Anchorage, Alaska**

February 21, 2020

TO: Prospective Proposers
FROM: Chugach Electric Association, Inc.
5601 Electron Drive
Anchorage, Alaska
SUBJECT: *RFP 20-03
Beluga Sewage Treatment Plant Coating Repair
Questions and Answers*

This document forms a part of the RFP Documents. This document includes all previous questions from previous RFP's. Some answers to previous questions have changed, therefore answers in this document supersede all previous versions.

Acknowledge receipt of this document in the space provided below and include the document with your RFP submittal. Failure to do so may subject the Proposer to disqualification.

This document consists of three (3) pages and one (1) attachment (Spec 09123).

Q1. It appears that the spec 09123 did not get included in the RFP. Can this be provided?

A1. Yes. The spec will be provided with these answers.

Q2. The scope of work discusses replacement of the waterproof seal between floors. Are there any specific requirements for the replacement of this seal (i.e. material, sizing, etc.)?

A2. Chugach is willing to work with the Contractor on establishing an economical method to re-establish a waterproof seal between the floors. Chugach does not have any specific requirements aside from the result must prevent water from leaking into the facility from the 124 linear foot of seal between the floors. Contractor will need Chugach's final approval of the proposed method and product proposed by the Contractor before initiation.

Q3. Also in reference to the seal, is the intent to lift the upper module off the lower and re-seal or will it be completed in place?

A3. Chugach's intent is for the re-seal to be completed in place.

Q4. Please confirm the responses and clarifications from the previous 2 RFP's still are valid.

A4. This document includes all previous questions from past RFP's. Answers in this document supersede all previous versions.

Q5. We are basing our Proposal on at most 1 flight per week round trip for the crew correct?

A5. Yes, with Spernak out of Merrill field.

Q6. Please confirm Chugach would be willing to provide barging of equipment and materials based on FOB Nikiski? This would present a significant cost savings.

A6. Yes, it is Chugach's intention to provide barging of equipment and materials out of Nikiski. Once the contract is awarded, a start date for work is established, and Chugach receives a complete list of equipment and materials to be sent over a barge schedule will be confirmed with OSK.

Q7. Is there 480 volt 3 phase power at or near the WWTP to power the DH equipment? This would reduce equipment and fuel required for the work.

A7. No, Chugach does not have the required power service to establish this connection near the WWTP. A Generator will be required.

Q8. Is it the intent to paint the galvanized piping?

A8. No, there is no intent to coat any galvanized piping.

Q9. The shelving unit is welded to the floor and is about 3" from the wall. It will need to be moved to complete the work on the steel behind it. Will this be allowed?

A9. Yes.

Q10. Can the unistrut that is not welded on be removed to allow for blasting and coating behind it?

A10. Unistrut can be temporarily removed for blasting and coating. It is the contractor's responsibility to re-secure the unistrut to the wall after blasting and coating. Contractor is solely responsible for any damage to equipment that is supported by the unistrut while removing and re-securing the unistrut.

Q11. Will Chugach provide diesel and gasoline for equipment fuel? This would present a notable cost savings over contractor provided fuel.

A11. Yes.

Q12. Would it be possible for Chugach to provide two connections for DH Power? We would need 480 3 phase and they would draw 28 amps each. This would remove the need for shipping of a generator.

A12. No. Chugach does not have the required volt/Amp service available within a reasonable proximity to the WWTP.

Q13. Would the Chugach provide for trucking and disposal of spent blast media? This would be a notable cost savings.

A13. Chugach can dispose of spent blast media in the Beluga Power Plant landfill if an analytical sample of the spent blast media passes a TCLP test. Chugach would coordinate the sampling and pay for the analytics. If spent blast media does not pass the TCLP analysis the Contractor will be responsible for trucking and disposal.

Q14. In lieu of third-party NACE inspection would it be allowable to utilize in house NACE 3 inspectors to complete the coatings inspection?

A14. Independent third-party NACE inspectors are required.

FIRM: _____

TITLE: _____

BY: _____

DATE: _____

END OF QUESTIONS AND ANSWERS FOR RFP NO. 20-03



CHUGACH ELECTRIC ASSOCIATION
BELUGA POWER PLANT SEWAGE TREATMENT MODULE
INTERIOR COATING

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INTERIOR COATING SYSTEMS FOR
STEEL SURFACES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. This specification defines the requirements for materials, surface preparation, application and touch-up repairs for the replacement of interior carbon steel coatings within the Beluga Power Plant's Sewage Treatment Module. Surfaces to be cleaned, abrasively blasted and recoated shall include:
1. All interior wall, ceiling, door, and floor surfaces;
 2. All interior stair, ladder and handrail surfaces;
 3. All interior shelving and bench related surfaces (previously coated);
 4. All interior welded steel tank chamber nozzles and piping surfaces;
 5. All interior tank chamber bulkheads, sidewalls, floor surfaces, and sub-chamber boxes.
- B. Surfaces or components that shall not require coatings include:
1. Stainless steel workbench surfaces;
 2. Electrical conduit, outlet boxes, switches, receptacles and lighting fixtures;
 3. Galvanized threaded piping, electrical support struts, and metal grating;
 4. Forced air heaters, ventilation louvers and associated fans.
- C. Where a conflict exists between this specification and the referenced standards or manufacturers' product data sheets, this specification applies. No revisions and/or addendums shall be made to this specification without the review and approval of the Project Engineer and/or their appointed representative.

1.2 REFERENCES

- A. Alaska Statute (AS)
AS 18.63 Hazardous Painting Certification
- B. American Society for Testing and Materials (ASTM)
D 4285 Standard Test Method for Indicating Oil or Water in Compressed Air
E 337 Standard Test Method for Measuring Humidity With A Psychrometer (the Measurement of Wet and Dry-Bulb Temperatures)

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- C. NACE International (NACE)
- SP0188-2006 Discontinuity (Holiday) Testing of New Protective Coatings on Conductive Substrates
 - SP0287-2016 Field Measurement of Surface Profile of Abrasive Blast-Cleaned Steel Surfaces Using a Replica Tape
 - SP0716-2016 Soluble Salt Testing Frequency and Locations on Previously Coated Surfaces
- D. National Institute of Standards and Technology (NIST)
- Certified Coating Thickness Standards (for Nonmagnetic Coating on Steel)
- E. Society for Protective Coatings (SSPC)
- SSPC-PA 1 Shop, Field, and Maintenance Painting of Steel
 - SSPC-PA 2 Measurement of Dry Paint Thickness with Magnetic Gauges
 - SSPC-SP 1 Solvent Cleaning
 - SSPC-SP 10 Near White Blast Cleaning
 - SSPC-VIS 1 Guide and Reference Photographs for Steel Surfaces Prepared by Dry Abrasive Blast Cleaning (Revised 2002)
 - SSPC-Guide 6 Guide for Containing Surface Preparation Debris Generated During Paint Removal Operations

1.3 SUBMITTALS

- A. The Contractor shall submit for approval the following items prior to the start of work:
1. Material Data Sheets: Provide Manufacturers Technical Data Sheets for all paints, coatings, solvents, detergents, degreasers, and abrasive blast media planned for use.
 2. Applicators: Provide information on the qualifications, experience, and certification(s) of all coating applicators to be utilized on the Project.
 3. Inspectors/QC Personnel: Provide information on the qualifications, experience and certification(s) of the independent third-party inspector(s) to be utilized on the Project.
 4. Application Instructions & Recommendations: Provide manufacturers application instructions and recommendations for each product. Instruction and recommendation information should include surface preparation, ambient temperature and humidity requirements, thinning information, recoat windows, curing times and other relevant application information.
 5. SDS Information: Provide Safety Data Sheets (formerly MSDS) for all coatings and coating related products.

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6. Contractor's Quality Control and Inspection Program: Provide a written plan and procedures that documents the Contractor's proposed Quality Control and Inspection program. Information should include safe operating procedures, use of dehumidification equipment, adequate ventilation, planned inspection points, quality assurance measures, etc.
 7. If different manufacturers and/or coating materials are proposed, provide Manufacturer name, certification and documented experience; product technical and performance information to demonstrate compatibility, and fitness for service information for use in atmospheric and submerged wastewater processing environments. Approval of alternate materials is at the shall be made by the Coatings Engineer prior to proceeding with any coating activity.
- B. The Contractor shall submit the following items on a daily basis during abrasive blasting and coating application activities:
1. Temperature, dew point, and humidity.
 2. Chloride test results.
 3. Abrasive blast profile information.
 4. Magnetic dry film thickness readings for each coating layer applied.

1.4 QUALIFICATIONS

- A. Coating Manufacturer: The coating Manufacturer must be a company specializing in the manufacture of industrial coating systems as specified in this specification with a minimum of 5 years of documented experience.
- B. Contractor: The Contractor must be a company specializing in performing shop and field applied coatings for wastewater processing systems with a minimum 5 years of documented experience.
- C. Painter: The painter(s) must be an individual specializing in performing the work outlined in this specification with a minimum of 2 years of documented experience and must be certified in the State of Alaska in accordance with AS 18.63.
- D. Coating Inspector: The independent third-party coating inspector must be trained in the inspection, application, and testing of coatings with the following minimum requirements:
 1. Must have NACE International Coating Inspector Program (CIP), Level 1 certification (or greater).
 2. Must have a minimum 2 years of industrial coatings and coatings inspection experience:
 3. Must be an independent, third-party Inspector operating outside the influence and control of the Contractor's firm.

1.5 QUALITY CONTROL

- A. The Contractor shall provide and maintain an effective quality control program to assure conformance to the specifications with respect to materials, workmanship, finish, and functional performance.

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- B. Unless specified herein, the coating manufacturer's printed recommendations and instructions for shelf life, surface preparation, mixing, thinning, handling, applying, curing, and repairing coating shall be strictly observed.
- C. All coating materials shall be fully examined and inspected prior to use to verify that they have been stored properly, have not exceeded the manufacturer's shelf life, and that they meet the requirements of this specification. Materials that are found to be improperly stored or are otherwise out of compliance are subject to rejection and replacement at the Contractor expense
- D. All surfaces to receive protective coating shall be cleaned and prepared as specified herein. The Owner will drain and rinse all wastewater processing chambers prior to Contractor arrival at the site. However, it will be the Contractor's responsibility to properly clean and prepare all surfaces.
- E. Where environmental conditions (temperature, humidity, dew point, etc.) are below specified minimums, the Contractor shall employ the use portable heaters, dehumidification, and/or ventilation equipment as required during abrasive blasting, coating application and curing.
- F. It is the Contractor's responsibility to perform the work to the requirements of this specification and to conduct inspections and tests necessary to ensure compliance. The Owner may conduct any inspection deemed necessary to verify compliance.

1.6 DELIVERY, STORAGE & HANDLING

- A. Deliver all coating materials to the project side in the original, unopened containers. The packaging shall be plainly marked with the name of the manufacturer, product, date of manufacturer, product, date of manufacture, shelf-life, batch number, and destination.
- B. Protect the coating materials from freezing or overheating. Transport and store the coating materials in areas between 45° F and 100° F. If the coating materials freeze or overheat (exceed 100° F), reject the coating materials and notify The Project and/or Coatings Engineer.

PART 2 MATERIALS

2.1 COATING SYSTEM

- A. The following materials shall be used for the subject coating applications within the sewage treatment plant module and its associated wastewater processing tanks/chambers. Do not tint, shade, or modify the coating formulation at the job site.

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Coating Material	Thickness Per Coat (DFT, mils)		
	Minimum (mils)	Maximum (mils)	Average (mils)
Primer Coat: Bar Rust 236	6.0	8.0	7.0
Finish Coat: Bar Rust 236	6.0	8.0	7.0
Total	12.0	16.0	14.0
<p>Note: Bar Rust 236 is a Devoe High Performance Coatings product, manufactured by ICI Paints North America, 15885 W. Sprague Rd., Strongsville, OH 44136 (www.devoecoatings.com).</p> <ul style="list-style-type: none"> • The primer coat shall contrast in color from the top coat. The finish coat shall be gray for tank interior chambers and buff for interior module and piping surfaces. • Recommended thinner, Devoe T-10 			

2.2 ABRASIVE BLAST MATERIAL

- A. Abrasive blast materials shall use dry, neutral pH, hard abrasives of angular configuration that are free of oil, dust, clay or other foreign particles. The following lists acceptable abrasive materials and manufacturers:
1. Green Diamond 20/50 Nickel Slag: Green Diamond Nickel Company, 5093 Riddle By-Pass Rd., Riddle, OR 97469
 2. GMA 30/60 or 30/40 Garnet: Barton Mines Corporation, 1658 Cole Blvd., Suite 190, Golden, CO 80401
 3. Meyers Idaho 30/40 Garnet: Emerald Creek Garnet Milling Co., Route 4, Fernwood, ID 83830
 4. Ruby Red 30/40 garnet: Ruby Garnet Products, Alder, Montana
 5. Multigrit Brown Fused Aluminum Oxide: Graystar LLC, 9 Simmonsville Rd. Bluffton SC 29910

2.3 CLEANING MATERIALS

- A. Do not use cleaners, solvents or paint strippers containing organic halogens. Acceptable materials include:
1. General Cleaning – Devprep 88: ICI Paints North America, 15885 W. Sprague Rd., Strongsville, OH 44136 (www.devoecoatings.com)
 2. Chloride Remover – Chlor*RID or Chlor*RID DTS: Chlor*RID International, Inc., P.O. Box 908, Chandler, AZ 85244

2.4 CHLORIDE CONTAMINATION FIELD TEST KIT

- A. The following test kits shall be used for evaluating chloride contamination of surfaces in preparation for recoating:

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1. Chlor*Test or eChlor*Test: Chlor*RID International, Inc., P.O. Box 908, Chandler, AZ 85244

PART 3 EXECUTION

3.1 SAFETY

- A. It is the responsibility of the Contractor and any subcontractors to perform all work in a safe manner. Also, it is the responsibility of the Contractor to assure that all applicable health and safety standards and all local, state, and federal safety regulations are met. The omission in this Specification of any applicable safety regulation does not relieve the Contractor of responsibility to comply.
- B. The Contractor shall keep on hand and/or post copies of all local, state, and federal safety regulations governing the work procedures at the work site. This shall also include copies of the Safety Data Sheets (SDS) for all chemicals used on the Project. The Contractor shall brief all workers at the job site of the location of the regulations and SDS.
- C. Provide safe access to the work areas. The work areas shall be kept free of debris.
- D. Any ignition source, such as internal combustion engines, welding operations, smoking areas, shall be kept a safe distance from module surfaces during coating preparation, application and curing.
- E. Blast nozzles shall be equipped with a "deadman" type shut-off device. Blasting hoses, spray equipment, air movers, and other type equipment shall be grounded and inspected for potential damage prior to each use.
- F. Inspect protective clothing and personal protective equipment before use to ensure they are in proper, functioning condition.
- G. It is the Contractor's responsibility to dispose of all materials, both hazardous and non-hazardous. All unused mixed materials shall be disposed of immediately. All cans containing coating materials or thinners, containers that were used for mixing materials, and rags or other items contaminated with coating materials or thinners shall be disposed of according to applicable safety and waste disposal regulations.
- H. The Contractor shall coordinate with the Facility Manager and/or Lead Operator while performing surface preparations or painting.

3.2 ENVIRONMENTAL

- A. Contractor will ensure that all Federal, State and Local environmental regulations are followed while the work is being executed.

3.3 PRE-JOB CONFERENCE

- A. A meeting shall be held, prior to any work being performed, to review this Specification and discuss possible site issues. The Project Engineer, Coatings Engineer, Contractor,

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Independent Third Party Inspector, and Owner's Representatives should be invited to attend.

- B. The Contractor shall be responsible for scheduling the pre-job conference meeting and providing a minimum two-day advanced notice for the aforementioned parties.
- C. Prior to the performance of the Pre-Job Conference, examine surfaces scheduled to be coated. Report any condition to the Project and/or Coatings Engineer that may potentially affect coating application.
- D. Any proposed deviations from this Specification must be brought to the attention of the Engineer at or before the pre-job conference.

3.4 SURFACE PREPARATION

- A. Remove any field testing marks made with paint or "magic markers" using thinner or a cleaner that does not leave a residue.
- B. Inspect and mask residual electrical and heater components not intended for coating application. These shall include wall mounted heaters, fans, electrical switches and receptacles, explosion proof boxes, ceiling mounted lighting fixtures, and stainless steel workbench surfaces. Conduit and Unistrut support brackets are not intended for coating, but do not need to be masked or protected.
- C. Inspect and clean surfaces prior to abrasive blasting per SSPC-SP 1 using Devprep 88. Rinse with fresh water (less than 100 PPM of chlorides) to obtain a wetted, metal surface with a pH between 6.5 and 7.5. Use a pressurized fresh water rinse with a minimum water pressure of 200 psi for surfaces where pitted steel is present.
- D. Prior to abrasive blasting verify that the surface is free of chloride contamination using the Chlor-Test or eChlor-Test kit per manufacturer's instructions. Rewash contaminated surface(s) using a pressurized fresh water rinse and Chlor*RID or Chlor*RID DTS additive per the manufacturer's mixing and application instructions. Chloride related pressure washing should be performed using a minimum 3500 psi. Retest the washed surfaces to verify that residual chloride levels are less than 5 ppm. Chloride measurement frequencies shall be per NACE SP0716-2016.
- E. Inspect all surfaces for existing damage or imperfections that may contribute to premature coating failure. Damage and imperfections may include dents, gouges, scrapes, pits, anomalous weld issues, etc. Bring any significant imperfections to the attention of the Inspector and Coatings Engineer for evaluation and repair directions
- F. Remove all sharp edges, protuberances, or weld spatter via soft pack grinding or sanding.
- G. Verify that the substrate surface temperature meets the manufacturers minimum requirements and that it is a minimum 5° F above the dew point (measured per ASTM E337) prior to commencing abrasive blasting. These environmental conditions should be held throughout the surface preparation, coating application, and curing process.

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- H. Abrasively blast the Module interior surfaces and all areas of failed interior coating and corrosion on the interior steel in accordance with SSPC-SP 10, *Near White Metal Blast Cleaning*.
- I. Remove dust and spent abrasive from the surface by using oil-free pressurized air, brushing, or vacuum cleaning.
- J. Do not prepare more surface area than can be recoated within a single work shift. Prevent rusting and contamination of prepared surfaces. Any areas prepared but not recoated in a shift or areas where rusting or contamination occur shall be re-blasted to meet the requirements of SSPC SP 10.
- K. Abrasive blasting shall require the following:
 - 1. Do not use wet, contaminated or used abrasive material.
 - 2. Examine the abrasive for cleanliness and proper grade size. Remove a handful of abrasive at the start of each shift, place in clean water, and evaluate for clay, oil, or other contaminants. Abrasive blast material containing clay, oil, or other contaminants shall be rejected.
 - 3. Determine the cleanliness of blasting air and pressure developed at the nozzle in accordance with ASTM D4285 at the start of each shift. DO NOT use contaminated air for abrasive blasting activities
 - 4. Achieve a surface anchor-pattern profile of not less than 2.5 mils or greater than 3.5 mils for areas prepared to SSPC-SP10. Verify the surface anchor-pattern profile with Testex Press-O-Film in accordance with NACE SP0287-2016
 - 5. Ensure that the blast profile achieved is sharp and jagged. Rounded or “peened” profile surfaces are subject to rejection.
 - 6. Comparatively define the degree of surface preparation using SSPC VIS 1.

3.5 APPLICATION

- A. Verify the ambient and surface temperatures meet the minimum product requirements and Section 3.4, Paragraph F (above).
- B. Verify that the prepared surface is sufficiently dry, per manufacturer requirements, prior to coating. Sweep blast and clean abrasive residue as necessary to maintain surface prep requirements.
- C. Mix coating in accordance with manufacturer’s instructions.
- D. Prior to spraying, verify that the compressed air source is clean (free of oil and moisture) using a blotter test. Perform a blotter test at least once per shift. Air cleanliness shall be in accordance with ASTM D4285. DO NOT use contaminated air for coating application.
- E. Apply a stripe coat of primer to the bare steel surfaces featuring difficult geometries, limited spacing, edges, pitted areas, welds, bolts, studs, projections, around nozzles and pipe penetrations or any other surface where coating has a tendency to break down. Stripe coating may be applied using brush, roller, or spray methods that allows the best coverage

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and access to the target surface(s). Ensure the stripe coat is worked into all weld beads, depressions, edges, or seams using a brush or roller.

Note: Special care and attention will be required when cleaning, blasting and coating around conduit, unistrut and wall mounted components. While most conduit is sufficiently spaced off the wall to allow good cleaning and coating, Unistrut, switches and some components, directly mounted to the wall, cannot be removed. In these instances, blasting and coating should seek to use best level of effort to remove and recoat as much wall, floor or ceiling as possible. In all instances, stripe coating shall be required for each successive coating layer to ensure that coating material is worked into the interstitial gaps between coated surfaces and components.

- F. Apply coating in accordance with the applicable sections of SSPC-PA 1, this Specification, and the manufacturer's current instructions. Spray application using airless or conventional spray equipment is the preferred method of applying coatings and shall be used wherever and whenever possible.
- G. A few locations within the Module's aeration and surge tank chambers may require specialized blasting and coating equipment (i.e. extension wands, etc.) due to the limited spacing between bulkheads and sub-chamber walls. Where possible, these components shall be unbolted and temporarily relocated for unrestricted blasting and coating of the interior surfaces. However, other components cannot be removed and must be coated in position within the tank chamber.
- H. Apply coating materials in uniform layers of 50% overlapping strokes. Continuously check WFT to ensure correct application. Use contrasting colors for each coat (primer vs. finish) for verification of complete coverage.
- I. Primer Coat: If the primer coat fails to meet the minimum specified DFT, apply additional coating material as required to obtain the minimum specified DFT. Blast clean and recoat any area where the second application does not meet the DFT required.
- J. The primer coat must be examined and approved for proper application, drying conditions, DFTs, and surface cleanliness by the independent third-party Inspector prior to proceeding with finish coat application(s).
- K. Finish Coat: Apply finish coat material per the manufacturer's instructions and published overcoat interval windows. If the finish coat application fails to meet the minimum specified DFT, apply additional coating to meet the specified thickness requirement. Additionally, if the interval between primer coat application and finish coat installation exceeds the manufacturer's maximum overcoat interval, sweep blasting of the primer shall be required to remove gloss and re-establish an anchor pattern.
- L. Blast clean and recoat any excessive coating thickness that results in mud cracking, fisheyes, pores, or blistering of the cured coating.
- M. Brush out all coating runs and sags immediately.

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3.6 QUALITY CONTROL

- A. Before commencing surface prep and coating activities, the coatings Contractor, Inspector/QC Personnel shall agree on mutually acceptable "hold points". The Contractor shall not continue work past each hold point until the Inspector has approved the previous work. Hold points are to include, but are not limited to the following:
1. Verification of proper materials and shelf-life.
 2. Verification of pre-blast surface cleanliness and environmental conditions (substrate temperatures, dew point spreads, etc.).
 3. Verification and evaluation of post-blast surface cleanliness and anchor profiles.
 4. Verification and evaluation of pre-primer coat surface cleanliness and environmental conditions.
 5. Verification and evaluation of primer coat application and DFTs.
 6. Verification of proper surface cleanliness and environmental conditions prior to the finish coat application.
 7. Verification and evaluation of finish coat application and DFTs.
 8. Verification of coating repairs.
- B. After surface preparation work, verify that proper environmental conditions exist prior to continuing with coating preparation and application. Utilize heaters, secondary ventilation and/or dehumidification as required to maintain conditions during and after coating applications.
- C. Prior to applying primer coat material, abrasively blasted surfaces must be evaluated and approved by the third-party Inspector for proper cleanliness, defect removal, and surface profile. Repair any residual defects (burrs, arc strikes, etc.) that may be present and re-blast as required.
- D. Measure the DFT after each coat and the total DFT for the entire coating system in accordance with SSPC-PA 2. Calibrate gages using NIST, Certified Coating Thickness Standards for Nonmagnetic Coating on Steel.
- E. Surface preparation and coating application are subject to inspection by the third-party Inspector. Remove any materials that have been determined by the Inspector to be improperly applied or excessively damaged and replace to the satisfaction of the Coating Engineer. This also applies to materials that have been excessively damaged by cleaning procedures.
- F. After the finish coat has cured completely, inspect the coating visually. Once visual inspections have been completed, inspect all coated surfaces for holidays using holiday detection equipment appropriate for the final coating thickness. Perform all holiday testing in accordance with NACE SP0188-2006 ensuring 100% coverage and mark all repair areas with a non-grease, non-wax chloride-free marker and repair per Section 3.7 of this Specification.

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- G. The responsibility of the third-party Inspector is to approve or disapprove Work according to this Specification. The inspector shall immediately bring any deviations from this specification to the attention of the Contractor and Coating Engineer. The inspector does not have authority to direct work.

3.7 COATING REPAIRS

- A. Repair all holidays per manufacturer's instructions. Pinholes and small area holidays can be repaired by daubing the holiday with the specified finish material mixed without thinner or solvent.
- B. Once sufficiently cured, holiday test the repair area(s) to ensure that the holiday has been fully covered and sealed over the metallic substrate. Ensure that the holiday detection equipment does not imprint or damage the coating prior to performing repair area verification.

END OF SECTION