UNDERWATER SOLUTIONS INC.

INSPECTION AND CLEANING (SEDIMENT REMOVAL) OF THE LAWRENCE ROAD 500,000-GALLON HYDROSPHERE WELDED STEEL SPHEROID WATER STORAGE TANK LOCATED IN WELLFLEET, MASSACHUSETTS

WHITEWATER INC. - WELLFLEET
AUBURN, MASSACHUSETTS

JULY 23, 2015

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SCOPE:

On July 23, 2015, Underwater Solutions Inc. inspected the Lawrence Road 500,000-gallon spheroid welded steel potable water storage tank to provide information regarding the overall condition and integrity of this welded steel structure and removed the sediment accumulation found on the floor.

EXTERIOR INSPECTION:

The entire exterior of this water storage tank and all components was inspected to include walls and coating, roof components, anchor bolts, foundation, manway, and ladders.

Walls And Coating

All exterior surfaces of the welded steel pedestal were found appearing sound and free of obvious fatigue (pitting) of the steel at this time.

The protective coating applied to the exterior welded steel surfaces of the pedestal was found having good adhesion value, and with an average dry film thickness of 12.33 mils.

All interior surfaces of the welded steel pedestal appeared sound and free of obvious fatigue (pitting) of the steel at this time.

The protective coating applied to the interior welded steel surfaces of the pedestal was found having good adhesion value, and with an average dry film thickness of 14.02 mils.

The 11" wide by 1-1/2" thick steel plate welded to the base of the pedestal was found appearing sound and free of obvious fatigue (pitting) of the steel at this time.

The protective coating applied to this steel base plate was found having mostly good adhesion value, and the average dry film thickness of the coating applied to the exterior surfaces of this steel plate is 8.25 mils. The average dry film thickness of the coating applied to the interior surfaces of this steel plate is 12.5 mils.

Mild coating fatigue and minimal steel exposure was observed throughout less than 5% of the corner edges on both the interior and exterior surfaces of this steel base plate. Although very mild surface corrosion was evident within these areas showing minimal steel exposure, no obvious fatigue or deterioration of these steel surfaces was evident.

All exterior surfaces of the welded steel tank bowl were found appearing sound and free of obvious fatigue (pitting) of the steel at this time.

The protective coating applied to the bowl base, wall panels and vertical welds between panels extending from the junction of where the pedestal and tank bowl meet, up to a horizontal weld that spans the circumference of the tank at the approximate mid-point of the bowl, appeared to have good adhesion value, and with an average dry film thickness of 16.56 mils.

The protective coating applied to the wall panels and welds extending from the mid-point horizontal weld up to the horizontal weld at the junction of the side wall panels to the 24' diameter steel plate that forms the tank roof was found having fair adhesion value.

Cracking and lifting of the protective coating was observed throughout approximately 50% to 75% of the length of the vertical welds between the side wall panels, while cracking and lifting of the protective coating was observed throughout the side wall panels for a distance of 3" to 6" to each side of these vertical welds, resulting in exposure of the underlying steel.

Although surface corrosion exists within these areas showing coating fatigue and steel exposure, no obvious fatigue of the steel panels or the vertical welds between these panels was evident at this time.

The average dry film thickness of the protective coating applied to the sidewall panels showing good adhesion value is 11.2 mils.

The average dry film thickness of the protective coating applied to the adjacent areas showing coating fatigue is 10.46 mils.

The protective coating applied to the 24' diameter steel plates that form the center of the roof was found having good adhesion value, and with an average dry film thickness of 13.46 mils.

The American Water Works Association (AWWA) recommends a dry film thickness of 7.0 mils to 10.0 mils be applied to the exterior of welded steel potable water storage tanks to provide adequate protection for welded steel surfaces.

An accumulation of mildew throughout all elevations and bowl base reduces the aesthetics of this potable water storage tank.

Roof Components

The 42" tall welded steel angle iron safety rails installed within the center of the roof appeared sound and properly installed at this time.

The protective coating applied to these steel safety railings was found having fair adhesion value at this time.

Although the average dry film thickness of the protective coating applied to these steel safety railings is 10.02 mils and meets the specifications set by the AWWA, adhesion loss of the coating was observed throughout less than 5% of these surfaces, resulting in exposure of the underlying steel.

No obvious fatigue or deterioration of these safety railing was found within the areas of steel exposure, rather mild surface corrosion exists at this time.

Six, 2" diameter rigging hole penetrations within the roof dome are secured with rubber caps and stainless steel band clamps, preventing access to the interior of the tank.

The 30" inside diameter steel hatch that provides access to the tank interior through the roof was found in good working condition and secured with a lock, preventing unwanted access to the tank interior.

The protective coating applied to the inner surfaces of this hatch was found having fair adhesion value at this time, as blotch rusting was observed throughout the outer circumference of the hatch and at the top edge of the hatch trunk were the hatch and trunk contact. The average dry film thickness of the protective coating applied these surfaces is 10.27 mils.

The protective coating applied to the outer surfaces of this hatch was found having good adhesion value, and with an average dry film thickness of 12.72 mils.

The 30" inside diameter steel hatch that provides access from the center access tube to the roof was found in good working condition, yet is not secured with a lock at this time.

The protective coating applied to the inner surfaces of this hatch was found having fair adhesion value at this time, as blotch rusting was observed throughout the outer circumference of the hatch and at the top edge of the hatch trunk where the hatch and trunk contact. The average dry film thickness of the protective coating applied these surfaces is 12.0 mils.

The protective coating applied the outer surfaces of this hatch was found having good adhesion value, and with an average dry film thickness of 17.96 mils.

The vent penetrates the center of an aluminum cap bolted to a 24" inside diameter interior access hatch, located approximately 60" from the center of the roof having a 10" inside diameter and stands 34" tall.

A 41" outside diameter aluminum cap and the stainless steel screen installed around the circumference of the vent remains secure, and the stainless steel frost proof break screen located at the underside of the vent moves freely and is free of obstructions at this time.

The rubber boot and associated stainless steel band clamps installed on the expansion joint, located at the penetration where the 42" diameter steel access tube extends through the roof, appeared to be properly installed and free of obvious fatigue or failures at the time this inspection was completed.

Anchor Bolts

Eighteen, 2" diameter anchor bolts extend up from the concrete foundation through an 11" wide by 1-1/2" thick steel plate welded to the pedestal base into 12-1/2" tall steel chairs welded to the pedestal base.

Each anchor bolt was found having one nut securely installed, and the protective coating applied to this steel hardware was found having good adhesion value and with an average dry film thickness of 7.58 mils. Although mild rust staining was observed on several of the anchor bolts where the bolts pass through their associated chairs, no obvious exposure of the underlying steel bolt surfaces was evident.

Foundation

The exposed surfaces of the 4" tall by 4" wide concrete foundation were found to be un-coated, yet appeared sound and free of cracks, spalls or other obvious fatigue of the concrete at this time.

Manway

One 24" inside diameter steel manway penetrates the center access tube, located approximately 12" above the base of the bowl and is securely installed and free of obvious leakage.

The protective coating applied to the surfaces of the steel lid was found having good adhesion value, and with an average dry film thickness of 11.2 mils, while blotch rusting exists on the securing hardware due to a decline in coating film thickness.

Ladders

Three welded steel ladders, each having a galvanized steel fall prevention device installed throughout their lengths, provide safe access from the interior of the pedestal to the roof of the tank.

The bottom ladder extends up from the pedestal floor to a steel platform and is supported to the pedestal wall with four sets of welded standoffs. The protective coating applied to this ladder was found having good adhesion value, and with an average dry film thickness of 8.27 mils.

The middle ladder extends up a platform to second platform located below the bowl base and is supported to the pedestal wall with eight sets of welded standoffs. The protective coating applied to this ladder was found having good adhesion value, and with an average dry film thickness of 23.05 mils.
The top ladder extends up from the platform located below the bowl base, through the center access tube to the roof and is supported to the center access tube with eight sets of welded standoffs. The protective coating applied to this ladder was found having good adhesion value, and with an average dry film thickness of 12.0 mils.

The galvanized steel cable type fall prevention device installed on each ladder was found to be un-coated. All three fall prevention devices were found to be properly installed and in good working condition at this time.

Overflow

An 8" inside diameter overflow steel pipe penetrates the center access tube, located approximately 66" below the top of the tank and turns 90° and extends down to within 24" of the pedestal floor and turns 90° and penetrates the pedestal wall to the exterior of the structure. This pipe extends 24" and turns 90° directing this pipe down and terminates 16" above the 13" inside diameter of the bell end of an 8" inside diameter ductile iron pipe that continues down and penetrates the ground.

This overflow pipe was free of obvious obstructions and with a galvanized steel screen installed at its end, preventing access to the interior of the pipe/tank.

The protective coating applied to this steel piping was found having good adhesion value, and with an average dry film thickness of 12.3 mils.

INTERIOR INSPECTION:

The entire interior of this water storage tank was inspected to include sediment accumulations, floor, manway, piping, walls and coating, center access tube, interior ladder, cathodic protection system, overhead, overflow and aesthetic water quality.

Sediment Accumulations

A uniform layer of accumulated precipitate was found on all floor surfaces, averaging 12" in depth.

After completing this inspection, all precipitate was vacuumed from the floor.

Floor

After removing the accumulated precipitate, the welded steel floor surfaces were inspected and found appearing sound and free of obvious fatigue (pitting) of the steel at this time.

The protective coating applied to these surfaces was found having good adhesion value, and with an average dry film thickness of 14.77 mils, providing adequate protection for these welded steel surfaces.

Mild staining exists throughout the entire floor due to the accumulation of precipitate.

Manway

One, 24 inside diameter manway penetrates the center access tube, located approximately 12" above the floor (bowl base) with a 28" outside diameter steel lid that was found securely installed and free of obvious leakage.

The protective coating applied to these steel surfaces was found having good adhesion value, and with an average dry film thickness of 11.56 mils.

Piping

One steel pipe penetrates the center access tube approximately 24" above the floor (bowl base), having a 12" inside diameter. This pipe extends into the tank through a 45° elbow, directing this pipe up through a series of bolted flanges to a four way cross fitting, located 36" above the floor. Each side of this four way fitting was found having a stainless steel grate that were free of obvious obstructions and without flow at this time.

The 12" inside diameter pipe continues upward and is supported to the center access tube with three welded and bolted standoffs and terminates approximately 30' above the floor with a blind flange installed at its top.

The 3/4" diameter air bleeder hole within the center of the blind flange was free of obvious obstructions at this time.

Two, 8" inside diameter pipes extend out from the 12" inside diameter pipe, located approximately 23' above the tank floor. Each 8" inside diameter pipe extends outward approximately 6" to bolted flanges with rubber check valves installed at their ends. Two 8" inside diameter pipes extend out from the 12" inside diameter pipe, located approximately 29' above the tank floor and extend outward 6" through 45° elbows directed up to bolted flanges with rubber check valves installed at their ends.

The protective coating applied to this piping was found having good adhesion value, and with an average dry film thickness of 11.4 mils.

Each rubber influent check valve was free of obvious obstructions and had flow entering the tank at the time of this inspection.

A 1" inside diameter bronze valve penetrates the 12" inside diameter pipe approximately 24" above the floor and was found in the open position. A 1" inside diameter pipe that extends inward approximately 60" and turns down and rest of the floor and is open at its end and was free of obvious obstructions and with flow entering the tank at the time of this inspection.

A second pipe penetrates the floor approximately 4" from the center access tube, having a 2-1/4" inside diameter and is flush with the floor. This pipe was free of obvious obstructions and was without flow at this time, and is the final drainpipe for this tank.

A third pipe penetrates the floor approximately 2" inform the center access tube, having a 4" inside diameter and is flush with the floor and was found secured with a plug.

Walls And Coating

The interior walls of the tank were inspected beginning at the floor and by spiraling the circumference of the bowl up to the water surface.

These steel wall panels and the welds between panels were found appearing sound and free of obvious fatigue (pitting) of the steel at this time.

The protective coating applied to these welded steel surfaces was found having good adhesion value, and with an average dry film thickness of 18.36 mils, providing adequate protection for these welded steel wall surfaces.

The American Water Works Association (AWWA) recommends a dry film thickness of 10.5 mils to 15.5 mils be applied to the interior of welded steel potable water storage tanks to provide adequate protection for welded steel surfaces.

Mild staining exists throughout the interior walls, extending from approximately 12" below overflow level down to the floor.

Center Access Tube

The 50" outside diameter welded steel center access tube was found appearing sound and free of obvious fatigue (pitting) of the steel at this time.

The protective coating applied to these welded steel surfaces was found having good adhesion value, and with an average dry film thickness of 16.86 mils, providing adequate protection for these steel surfaces.

Interior Ladder

A welded steel ladder extends from the floor up to the access hatch and is supported to the center access tube with ten sets of welded standoffs. A galvanized steel cable type fall prevention device is installed throughout the length of this ladder providing safe access.

The protective coating applied to this ladder was found having good adhesion value, and with an average dry film thickness of 12.2 mils, while the galvanized steel fall prevention device is not coated at this time.

Cathodic Protection System

The cathodic protection system installed within this tank consists of a series of cables that penetrate the center access tube approximately 40” above the tank floor and continue to a series of eight, 2” inside diameter by8’ long P.V.C. pipes bolted to brackets welded to the center access tube located approximately 10’ above the tank floor, forming a concentric ring. This cathodic protection system appeared to be properly installed and free of obvious fatigue, yet this system was not tested at the time of this inspection.

A series of nine 2” wide by 6” long by approximately 1” thick sacrificial anodes are welded to the center access tube, located approximately 10’ above the floor. Each sacrificial anode appeared to be properly installed and with approximately 99% service life at this time.

Overhead

The entire overhead was inspected from the water surface and all steel panels, to include the welds between panels were, found appearing sound and free of obvious fatigue (pitting) of the steel at this time.

The protective coating applied to these welded steel surfaces was found having good adhesion value, and with an average dry film thickness of 9.98 mils, providing adequate protection for these steel surfaces.

Overflow

The overflow consists of an 8” inside diameter steel pipe that penetrates the center riser column approximately 66” below the overhead. This pipe extends inward approximately 16” through a 90° elbow turning its direction down, and terminates approximately 60” below the overhead.

This overflow pipe was free of obvious obstructions, and the protective coating applied to this pipe was found having good adhesion value at this time.

Aesthetic Water Quality

The aesthetic water quality was found to be good throughout this entire tank, allowing unlimited visibility for this inspection.

CONCLUSION:

It is the opinion of Underwater Solutions Inc. that this elevated welded steel spheroid potable water storage tank appeared mostly sound and free of obvious leakage at this time, while the coating system applied to all exterior and interior welded steel surfaces and associated components was found to meet the minimum specifications set by the American Water Works Association.

All interior and exterior surfaces of the welded steel pedestal appeared sound, while no obvious fatigue (pitting) of the steel was evident at the time this inspection was completed.

The protective coating applied to the exterior surfaces of the pedestal was found having good adhesion value, and with an average dry film thickness of 12.33 mils. The average dry film thickness of the protective coating applied to the interior surfaces was found having good adhesion value, and with an average dry film thickness of 14.02 mils, providing good protection for these welded steel surfaces.

The 11” wide by 1-1/2” thick steel plate welded to the pedestal base appeared sound and free of obvious fatigue at this time.

The protective coating applied to both the interior and exterior surfaces of this plate was found having mostly good adhesion value and applied to an adequate dry film thickness, yet mild coating fatigue and minimal steel exposure was observed throughout less than 5% of the corner edges on both the interior and exterior surfaces of this steel base plate. No obvious fatigue or deterioration of this steel plate was evident within these areas showing steel exposure; rather mild surface corrosion exists at this time.

It is our recommendation to spot grind and re-coat these areas showing coating fatigue and steel exposure in an effort to halt corrosion and prevent fatigue of this steel base plate.

All exterior welded steel surfaces of the tank bowl appeared sound, while no obvious fatigue (pitting) of the steel panels or the welds between panels was evident at the time this inspection was completed.

The protective coating applied to these welded steel surfaces, extending from the junction of where the pedestal and bowl meet up to the horizontal weld that spans the circumference of the bowl at the approximately middle of the tank, was found having good adhesion value and with an average dry film thickness of 16.65 mils.

The protective coating applied to the steel wall panels and vertical welds extending from the mid-point horizontal weld up to the 24' diameter steel plates that form the tank roof was found with coating fatigue throughout the vertical welds and throughout the wall panels adjacent to the vertical welds. Cracking and lifting of the coating applied to the welds and adjacent wall panels has resulted in exposure of the underlying steel and causing mild surface corrosion, yet no obvious fatigue (pitting) of the steel was evident within these areas of steel exposure at the time this inspection was completed. The average dry film thickness within the areas showing coating fatigue was 10.46 mils at the time of this inspection.

The protective coating applied to the steel panels that form the roof was found having good adhesion value, and with an average dry film thickness of 13.46 mils.

An accumulation of mildew throughout all elevations of the pedestal and bowl base has caused a reduction in the overall aesthetics of this structure.

It is our recommendation to high-pressure wash the exterior surfaces of the pedestal and bowl base to remove the accumulated mildew in an effort to preserve the adhesion value of the coating system, while improving the overall aesthetics.

It is also our recommendation to spot grind and re-coat the areas showing coating fatigue and steel exposure throughout the vertical welds and wall panels in an effort to halt corrosion, prevent steel fatigue and provide good protection for the steel, while improving the overall aesthetics.

The welded steel angle iron safety railings installed on the roof of this tank appeared to be in sound condition and free of obvious fatigue or failures. Although the protective coating was applied to an adequate dry film thickness, isolated areas of coating fatigue were found throughout these safety railings that have resulted in exposure of the underlying steel. No obvious fatigue or deterioration of these railings was evident within the areas showing steel exposure, rather mild surface corrosion exists at this time.

It is our recommendation to spot grind and re-coat the areas of steel exposure found throughout the safety railings to halt corrosion and prevent fatigue.

All components affixed to this tank are properly installed at this time. A cap and associated screen installed over the vent penetration within the roof dome remains secure, and the frost proof break screen located at the underside of the vent moves freely and is free of obstructions at this time.

The screen installed at the end of the overflow pipe was found securely installed, preventing access to the interior of the pipe/tank.

One of the interior access hatches is secured with a lock, and the second interior access hatch is secured with a series of nuts and bolts, preventing unwanted access to the interior of the tank.

Each of the six rigging hole penetrations within the roof dome remains secured with rubber caps and stainless steel clamps, preventing access to the interior of the tank.

All interior welded steel floor, wall, center access tube and overhead surfaces appeared sound, while no obvious fatigue or failures of these welded steel surfaces was evident at the time this inspection was completed.

The protective coating applied to all interior floor surfaces was found having good adhesion value, and with an average dry film thickness of 14.77 mils, providing good protection for these steel surfaces.

The protective coating applied to all elevations of the interior walls was found having good adhesion value, and with an average dry film thickness of 18.36 mils, providing good protection for these steel surfaces.

The protective coating applied to the center access tube was found having good adhesion value, and with an average dry film thickness of 16.86 mils, providing good protection for these welded steel surfaces.

The protective coating applied to all welded steel overhead panels was found having good adhesion value, and with an average dry film thickness of 9.98 mils, providing good protection for these steel surfaces.

The piping and associated influent and effluent rubber check valves that extend from this pipe were found to be properly installed and free of obvious obstructions.

A second pipe that penetrates the floor and serves as the final bowl drain was free of obvious obstructions, while a third penetration within the floor was found secured with a plug on the interior of the tank.

The concentric ring cathodic protection system within this tank appeared to be properly installed and free of obvious fatigue, yet was not tested at the time of this inspection. The nine sacrificial anodes welded to the center access tube appeared to be properly installed and remain with approximately 99% service life.

After completing this inspection, all precipitate was removed (vacuumed) from the floor.

As always, we recommend re-inspection and cleaning of all water storage facilities in accordance with state and federal mandates, A.W.W.A. standards, and be completed by an experienced and authorized inspection corporation.

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UNDERWATER SOLUTIONS INC.
Christopher A. Cole, Project Manager

This report, the conclusions, recommendations and comments prepared by Underwater Solutions Inc. are based upon spot examination from readily accessible parts of the tank. Should latent defects or conditions which vary significantly from those described in the report be discovered at a later date, these should be brought to the attention of a qualified individual at that time. These comments and recommendations 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.

1 ***Exterior Pedestal Wall***

2 ***Exterior Pedestal Wall***

3 ***Exterior Pedestal Wall***

4 ***Exterior Pedestal Wall***

5 ***Exterior Pedestal Wall***

6 ***Exterior Pedestal Wall***

7 ***Exterior Pedestal Wall***

8 ***Exterior Pedestal Wall***

9 ***Exterior Pedestal Wall***

10 ***Exterior Pedestal Wall***

11 ***Exterior Pedestal Wall***

12 ***Exterior Pedestal Wall***

13 ***Interior Pedestal Wall***

14 ***Interior Pedestal Wall***

15 ***Interior Pedestal Wall***

16 ***Interior Pedestal Wall***

17 ***Interior Pedestal Wall***

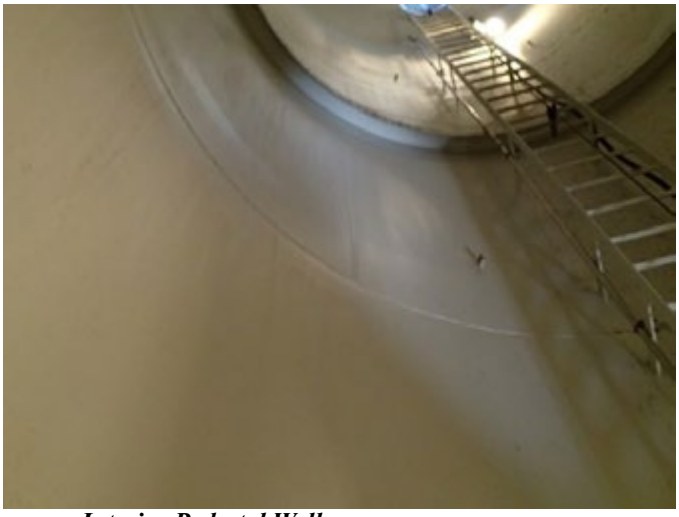
18 ***Interior Pedestal Wall***

19 ***Interior Pedestal Wall***

20 ***Interior Pedestal Wall***

21 ***Interior Pedestal Wall***

22 ***Interior Pedestal Wall***



23 ***Interior Pedestal Wall***

24 ***Steel Base Plate With Coating Fatigue, Exposed Steel And Mild Surface Corrosion***

25 ***Steel Base Plate With Coating Fatigue, Exposed Steel And Mild Surface Corrosion***

26 ***Steel Base Plate With Coating Fatigue, Exposed Steel And Mild Surface Corrosion***

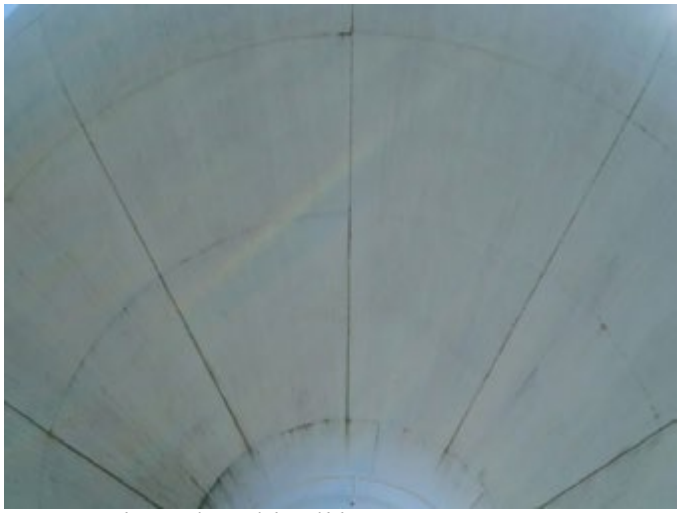
27 ***Steel Base Plate With Coating Fatigue, Exposed Steel And Mild Surface Corrosion***

28 ***Steel Base Plate With Coating Fatigue, Exposed Steel And Mild Surface Corrosion***

29 ***Steel Base Plate With Coating Fatigue, Exposed Steel And Mild Surface Corrosion***

30 ***Bowl Exterior With Mildew***

31 ***Bowl Exterior With Mildew***



32 ***Bowl Exterior With Mildew***

33 ***Bowl Exterior With Mildew***

34 ***Exterior Bowl With Coating Cracking/Lifting, Exposed Underlying Steel And Surface Corrosion***

35 ***Exterior Bowl With Coating Cracking/Lifting, Exposed Underlying Steel And Surface Corrosion***

36 ***Exterior Bowl With Coating Cracking/Lifting, Exposed Underlying Steel And Surface Corrosion***

37 ***Exterior Bowl With Coating Cracking/Lifting, Exposed Underlying Steel And Surface Corrosion***

38 ***Exterior Bowl With Coating Cracking/Lifting, Exposed Underlying Steel And Surface Corrosion***

39 ***Exterior Bowl With Coating Cracking/Lifting, Exposed Underlying Steel And Surface Corrosion***

40 ***Exterior Bowl With Coating Cracking/Lifting, Exposed Underlying Steel And Surface Corrosion***

41 ***Exterior Bowl With Coating Cracking/Lifting, Exposed Underlying Steel And Surface Corrosion***

42 ***Exterior Bowl With Coating Cracking/Lifting, Exposed Underlying Steel And Surface Corrosion***

43 ***Exterior Bowl With Coating Cracking/Lifting, Exposed Underlying Steel And Surface Corrosion***

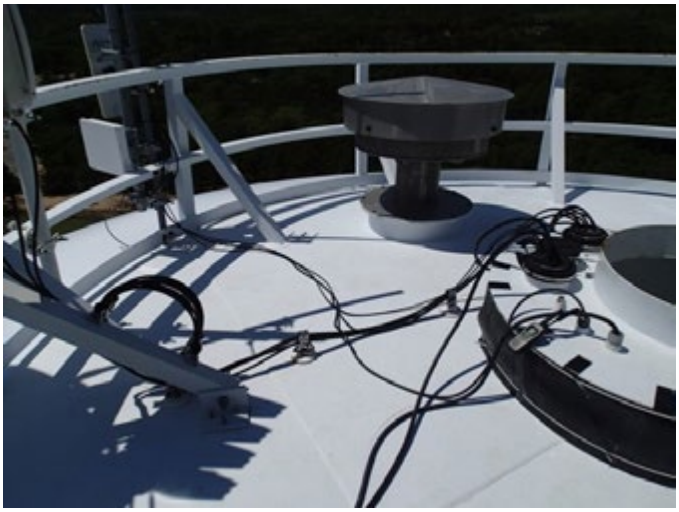
44 ***Exterior Bowl With Coating Cracking/Lifting, Exposed Underlying Steel And Surface Corrosion***

45 ***Exterior Bowl With Coating Cracking/Lifting, Exposed Underlying Steel And Surface Corrosion***

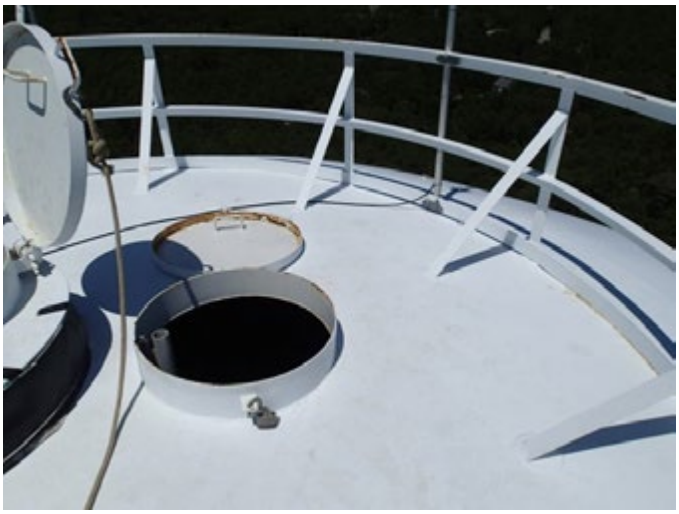
46 ***Exterior Bowl With Coating Cracking/Lifting, Exposed Underlying Steel And Surface Corrosion***

47 ***Roof Surface***

48 ***Roof Surface***



49 ***Roof Surface***



50 ***Roof Surface***

51 ***Safety Railing With Coating Loss And Exposed Steel***

52 ***Safety Railing With Coating Loss And Exposed Steel***

53 ***Safety Railing With Coating Loss And Exposed Steel***

54 ***Safety Railing With Coating Loss And Exposed Steel***

55 ***Roof Surface/Rigging Hole With Secure Rubber Cap***

56 ***Roof Surface/Rigging Hole With Secure Rubber Cap***

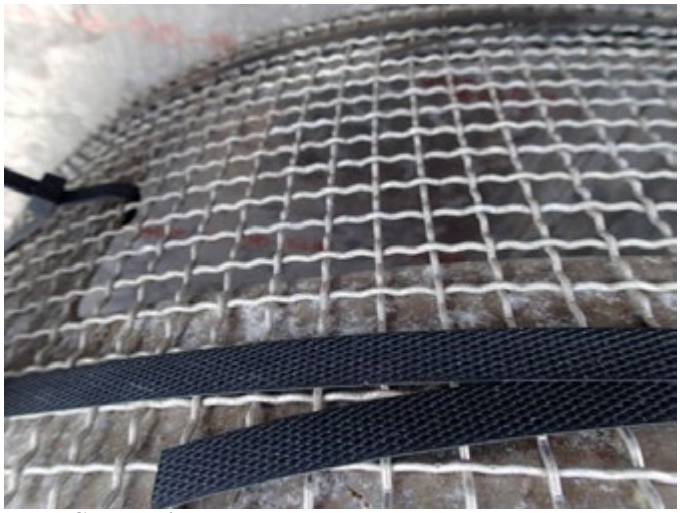
57 ***Open Hatch***

58 ***Secure Hatch***

59 ***Center Tube Access Hatch***

60 ***Vent***

61 ***Vent***

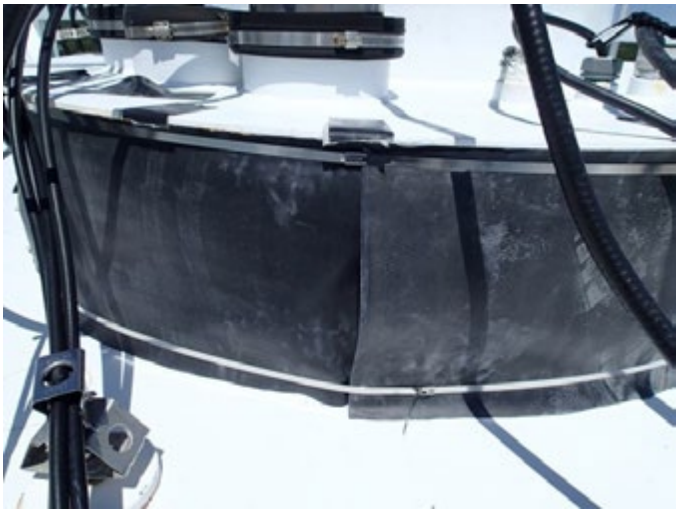


62 ***Screened Vent***

63 ***Screened Vent***

64 ***Screened Vent***

65 ***Rubber Boot At The Access Tube Expansion Joint***



66 ***Rubber Boot At The Access Tube Expansion Joint***

67 ***Rubber Boot At The Access Tube Expansion Joint***

68 ***Anchor Bolts***

69 ***Anchor Bolts***

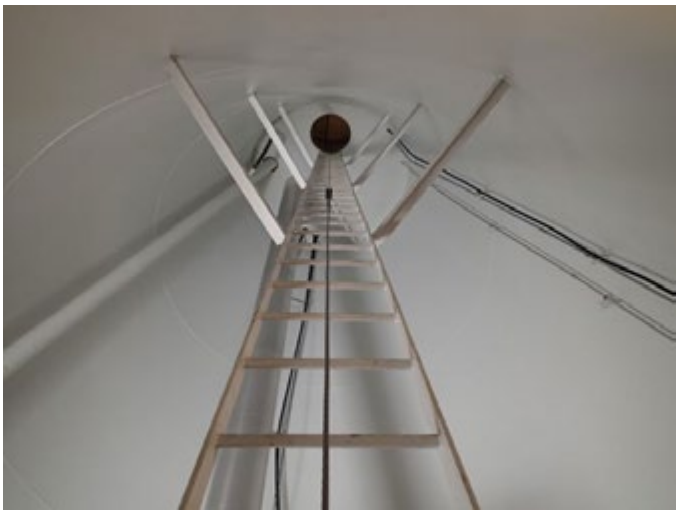
70 ***Anchor Bolt***

71 ***Concrete Foundation***

72 ***Concrete Foundation***

73 ***Concrete Foundation***

74 ***Manway With Blotch Rusting Of Hardware***

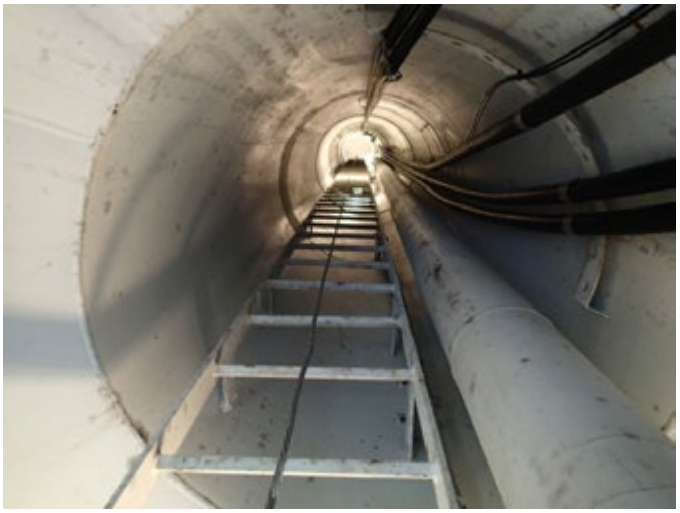


75 ***Ladder With A Fall Prevention Device***

76 ***Ladder With A Fall Prevention Device***

77 ***Ladder With A Fall Prevention Device***

78 ***Overflow Pipe***

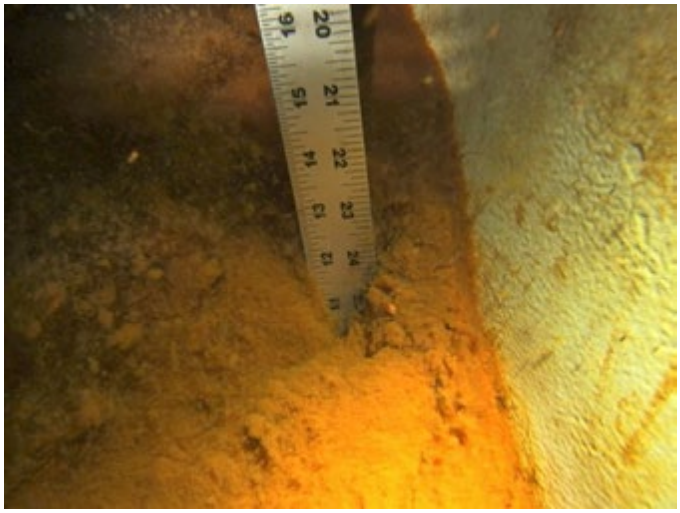


79 ***Overflow Pipe***

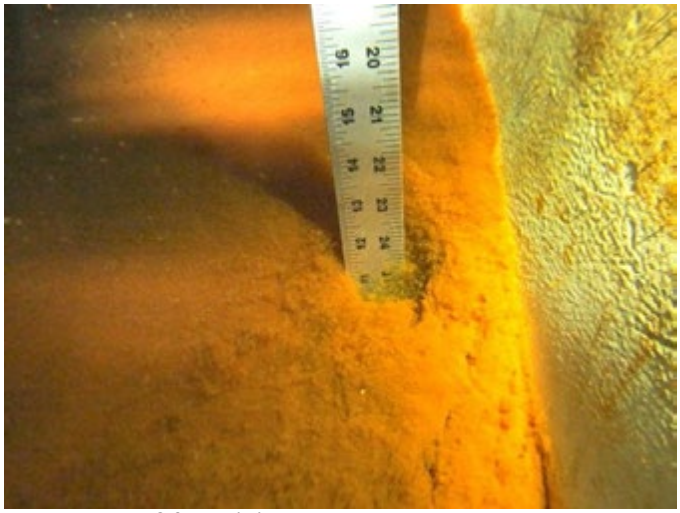
80 ***Overflow Pipe***

81 ***Overflow Pipe***

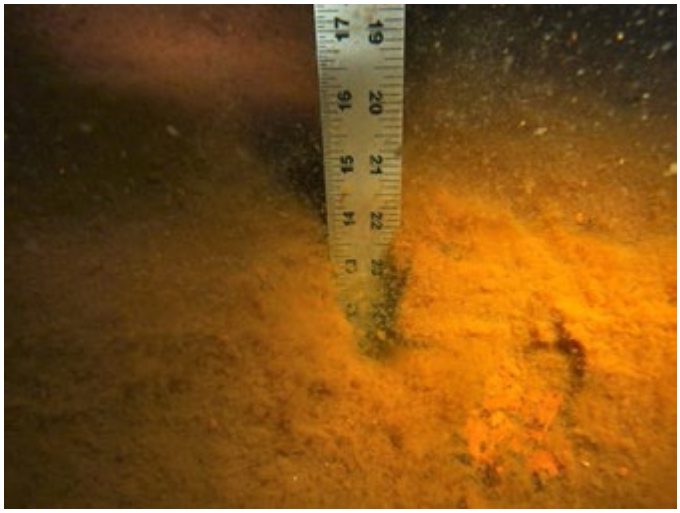
82 ***Screened Overflow Pipe***



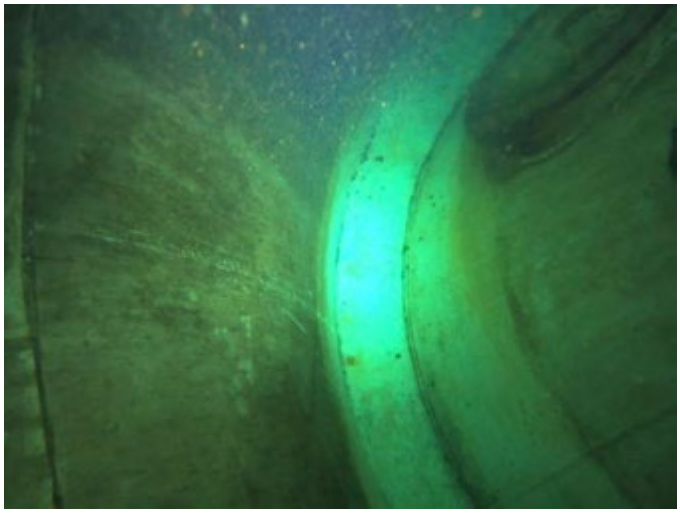
83 ***Layer Of Precipitate***



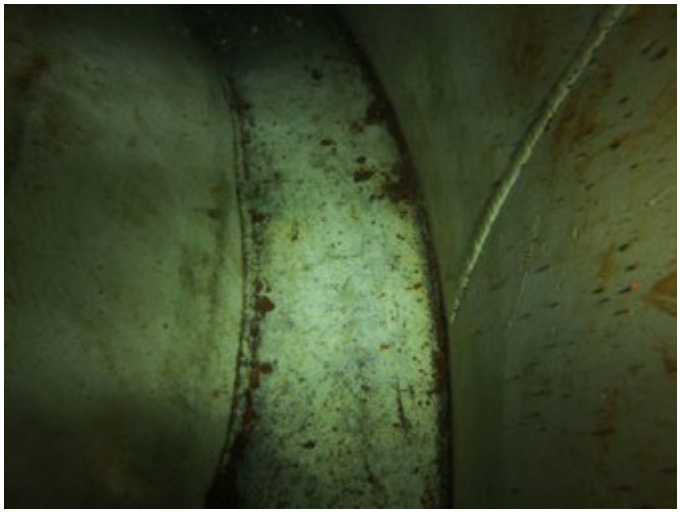
84 ***Layer Of Precipitate***



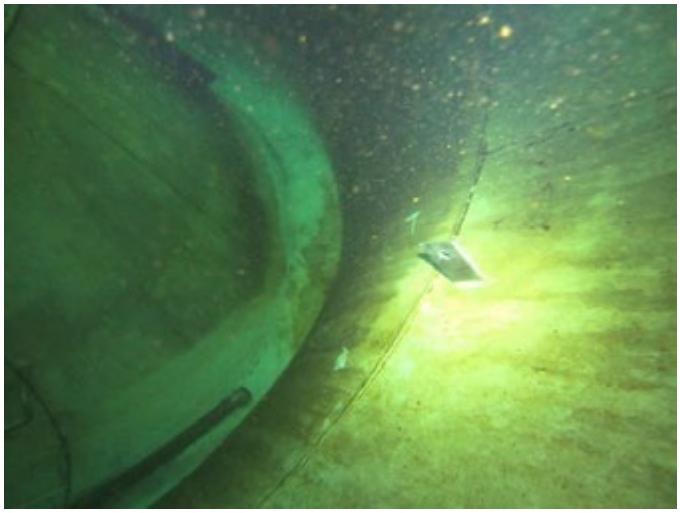
85 ***Layer Of Precipitate***



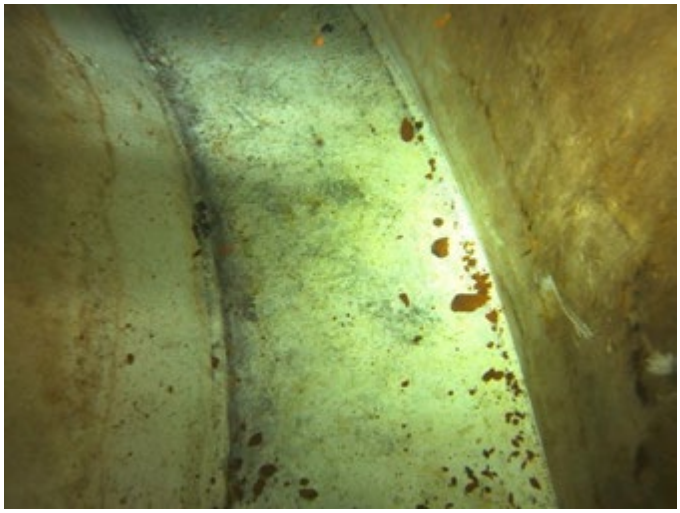
86 ***Floor With Mild Staining***



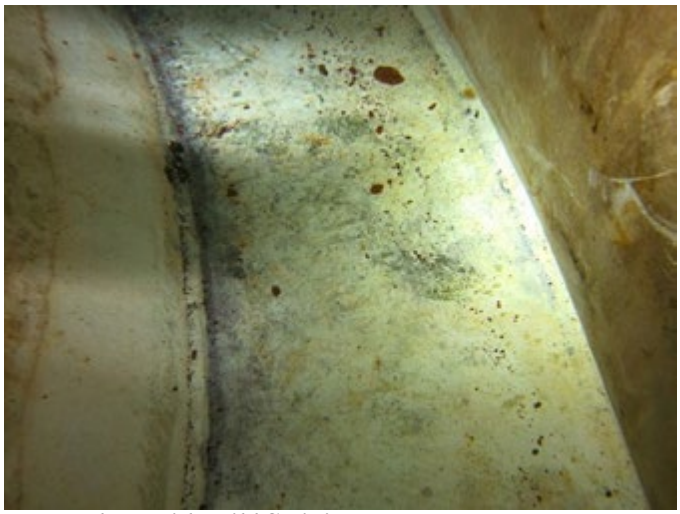
87 ***Floor With Mild Staining***



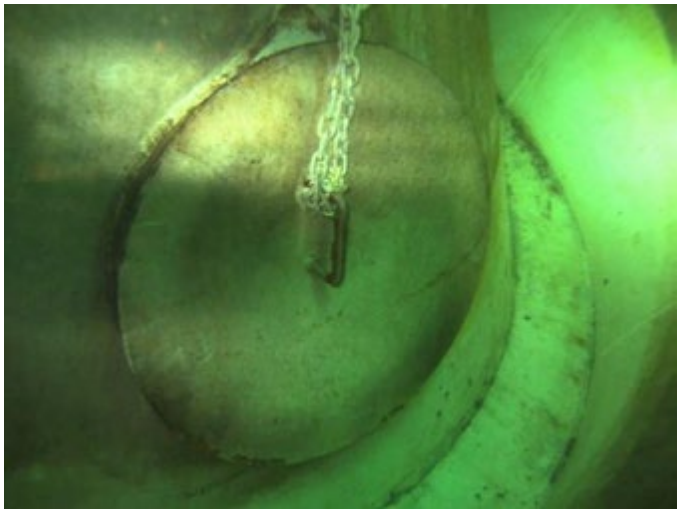
88 ***Floor With Mild Staining***



89 ***Floor With Mild Staining***



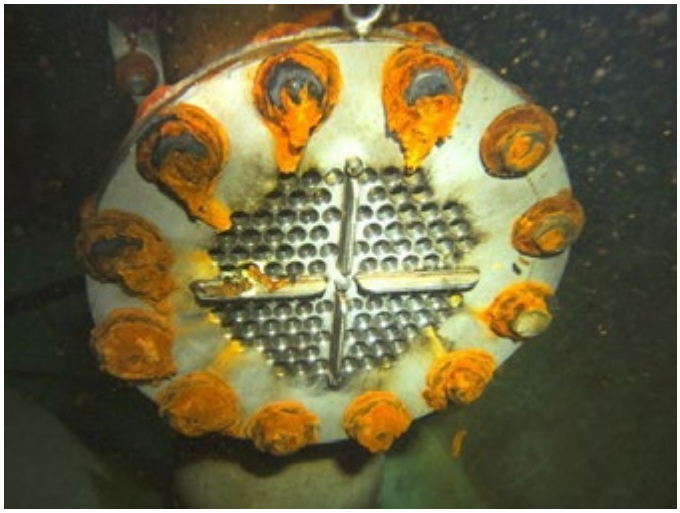
90 ***Floor With Mild Staining***



91 ***Manway***

92 ***Piping***

93 ***Effluent Grate***

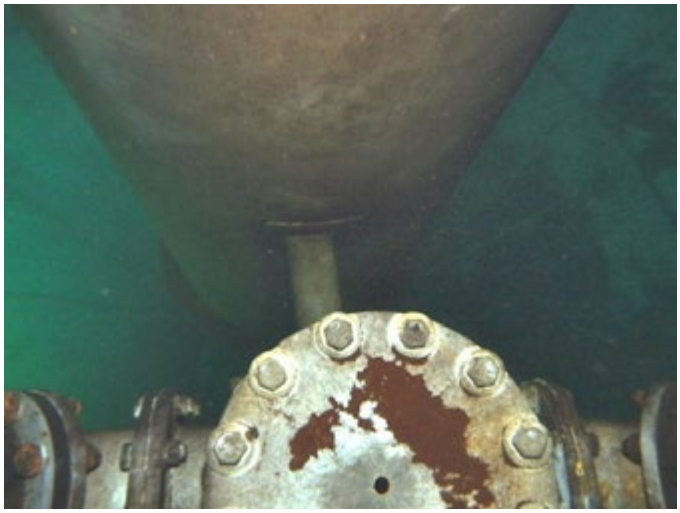


94 ***Effluent Grate***

95 ***Piping***

96 ***Piping***

97 ***Influent Check Valve***



98 ***Influent Check Valve***

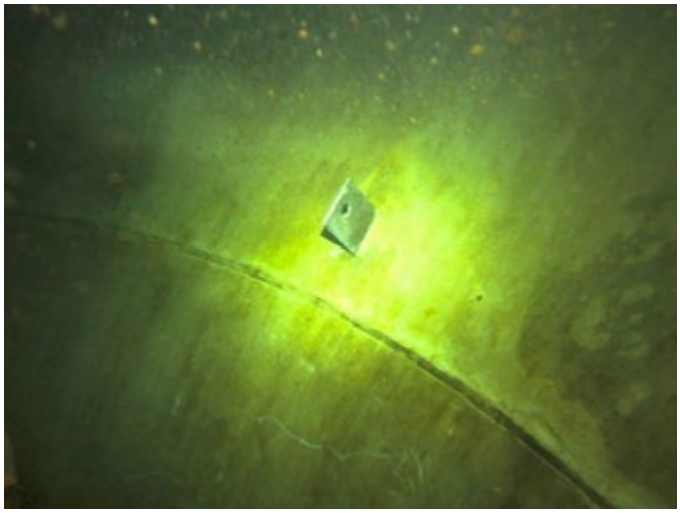
99 ***Piping***

100 ***Piping***

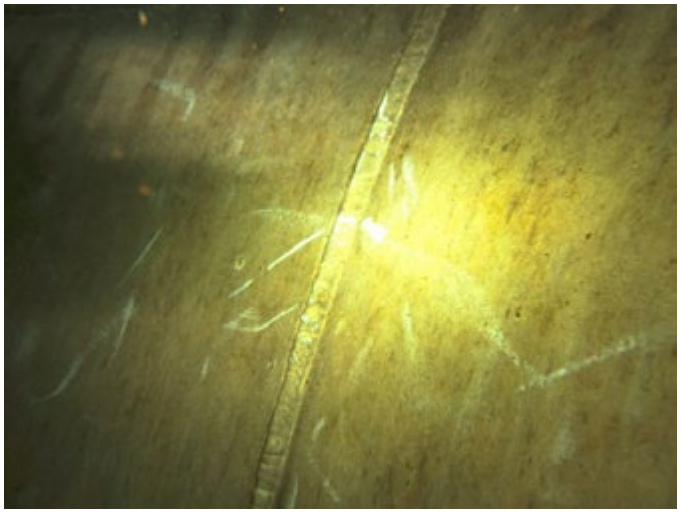
101 ***Piping***

102 ***Piping***

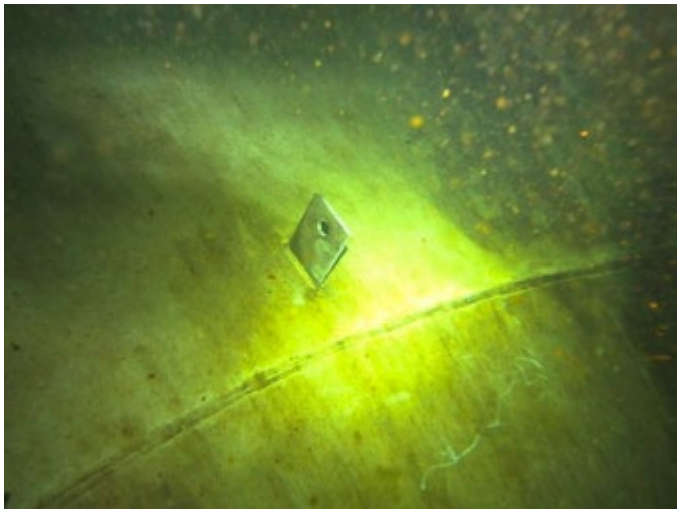
103 ***Piping Secured With A Plug***



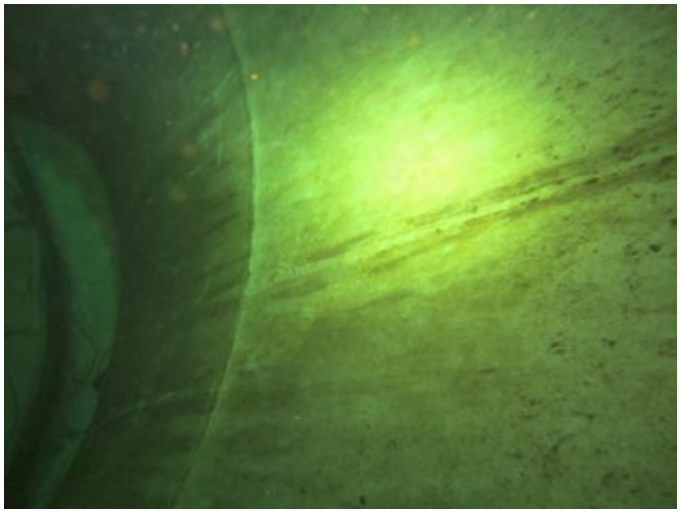
104 ***Interior Wall With Mild Staining***



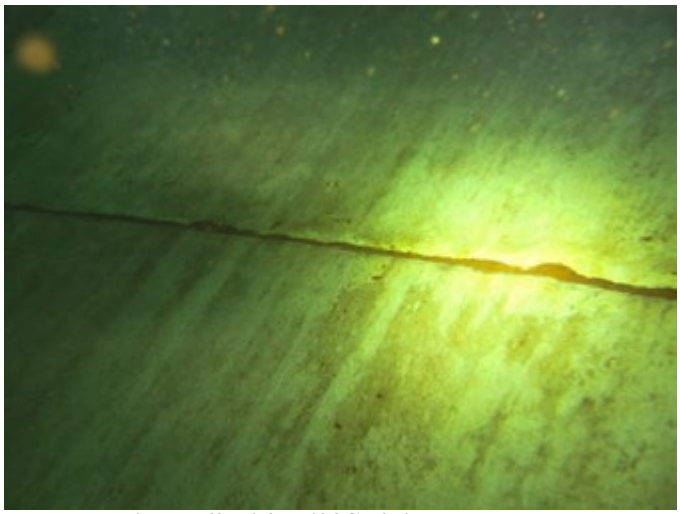
105 ***Interior Wall With Mild Staining***



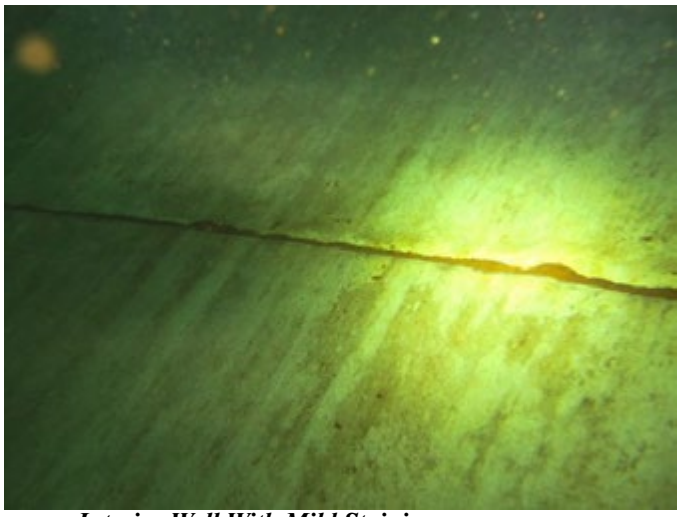
106 ***Interior Wall With Mild Staining***



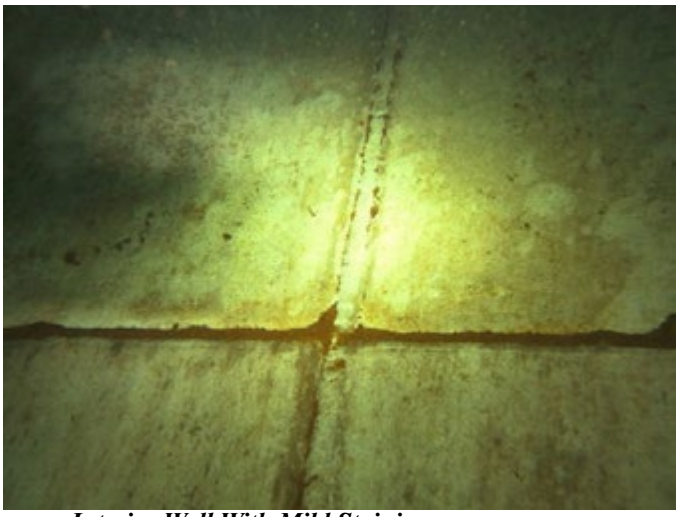
107 ***Interior Wall With Mild Staining***



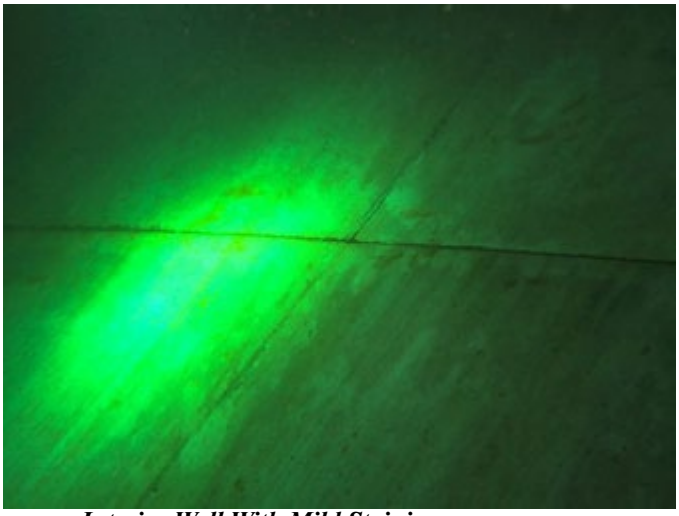
108 ***Interior Wall With Mild Staining***



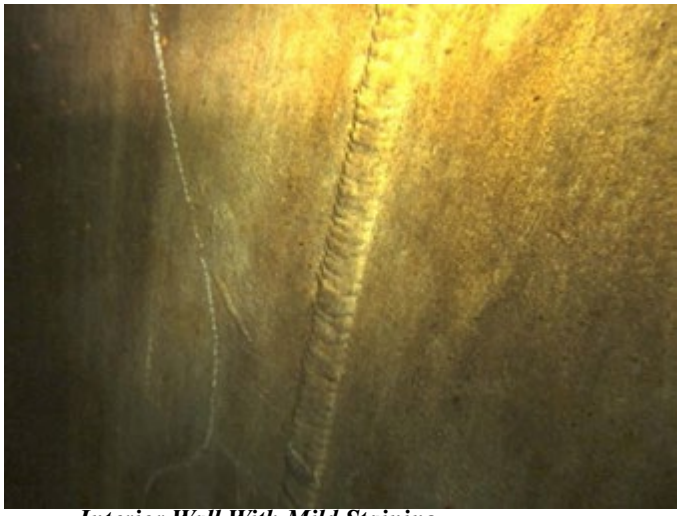
109 ***Interior Wall With Mild Staining***



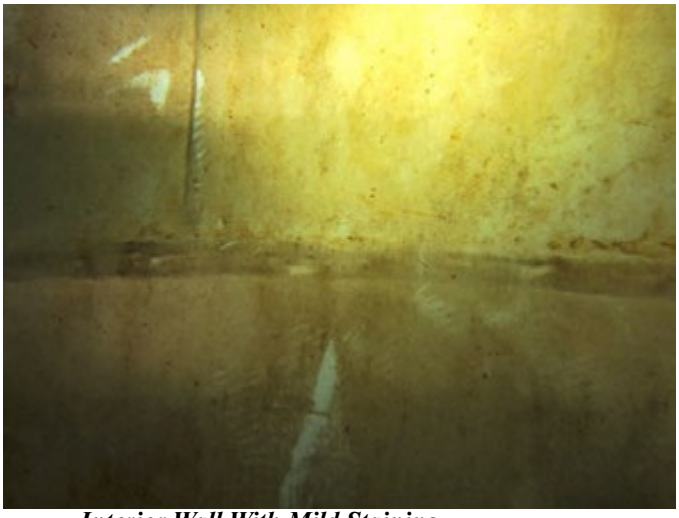
110 ***Interior Wall With Mild Staining***



111 ***Interior Wall With Mild Staining***



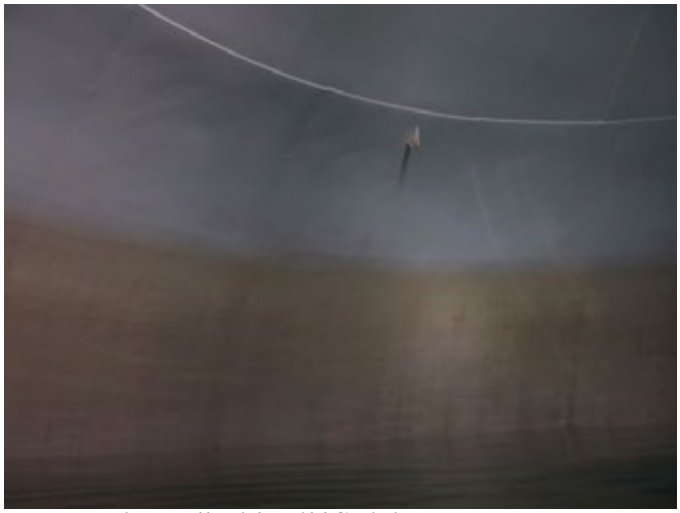
112 ***Interior Wall With Mild Staining***



113 ***Interior Wall With Mild Staining***

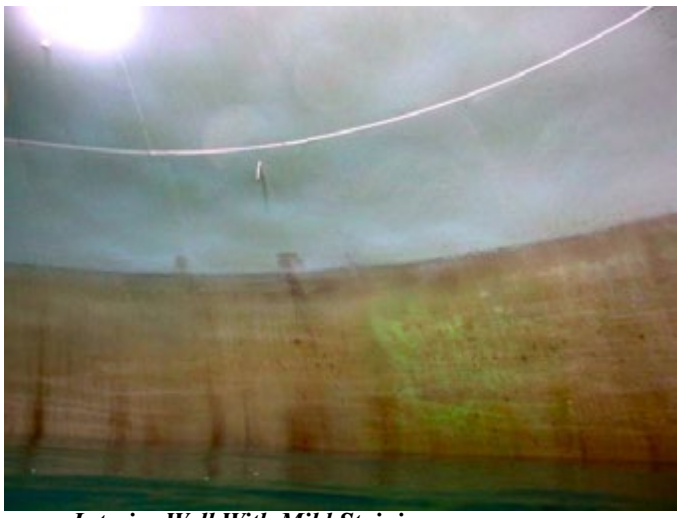
114 ***Interior Wall With Mild Staining***

115 ***Interior Wall With Mild Staining***

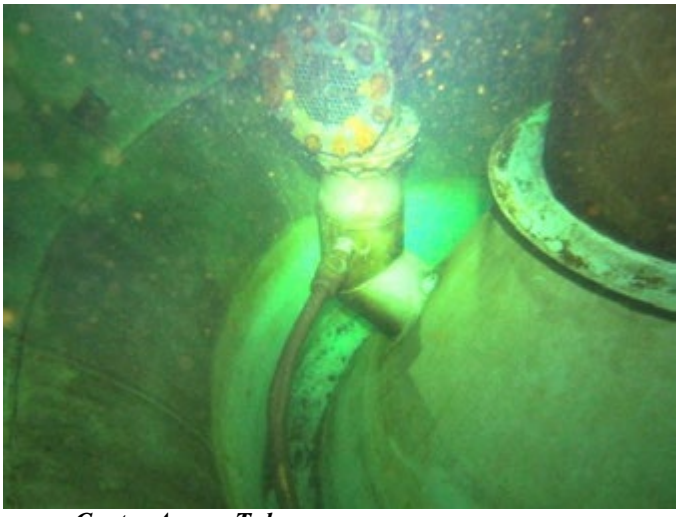


116 ***Interior Wall With Mild Staining***

117 ***Interior Wall With Mild Staining***



118 ***Interior Wall With Mild Staining***



119 ***Center Access Tube***

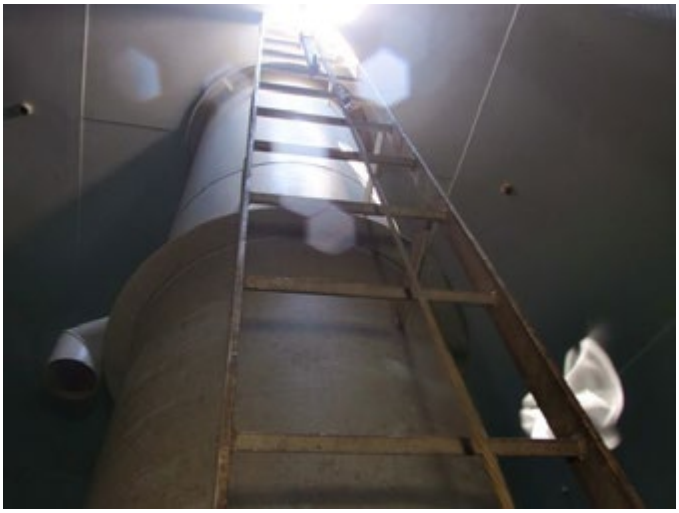
120 ***Center Access Tube***

121 ***Center Access Tube***

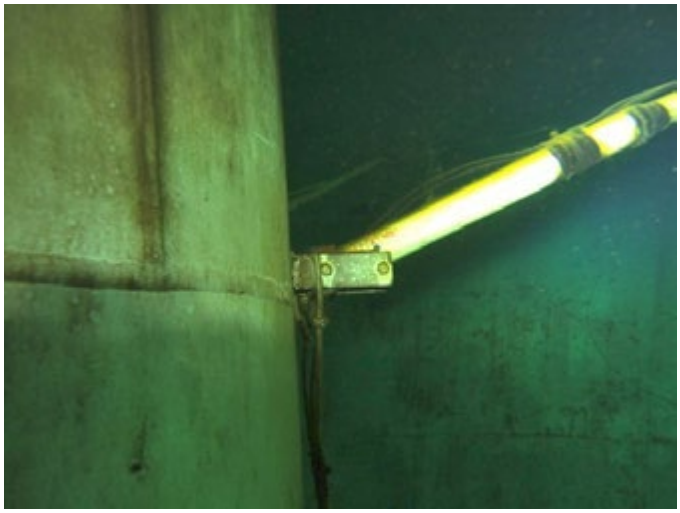
122 ***Center Access Tube***

123 ***Interior Ladder With A Fall Prevention Device***

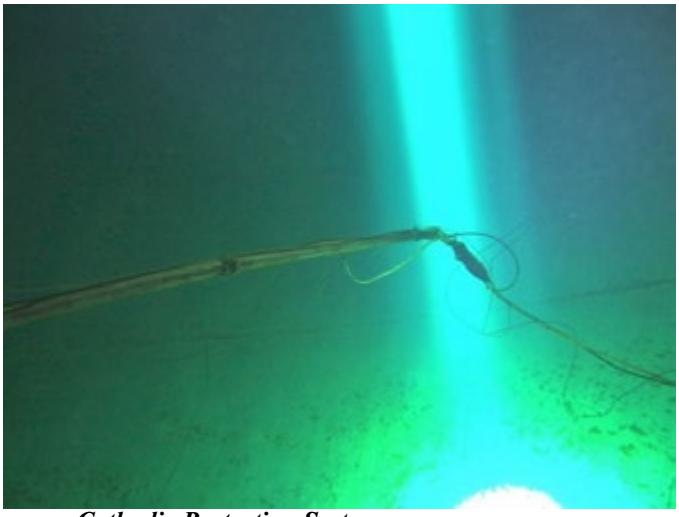
124 ***Interior Ladder With A Fall Prevention Device***



125 ***Interior Ladder With A Fall Prevention Device***

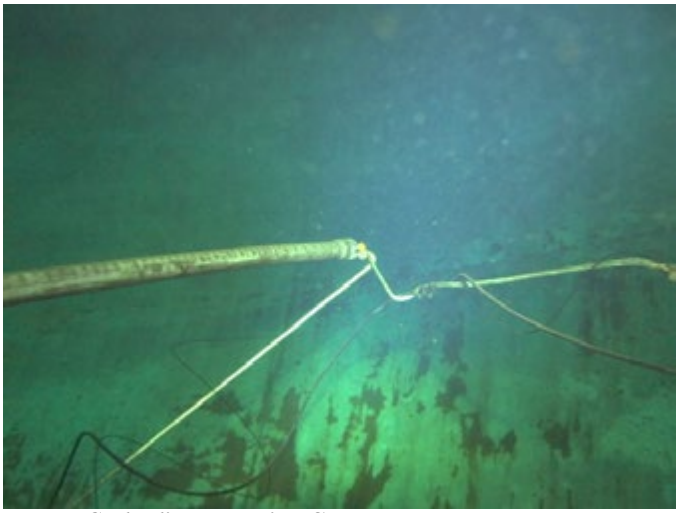


126 ***Cathodic Protection System***

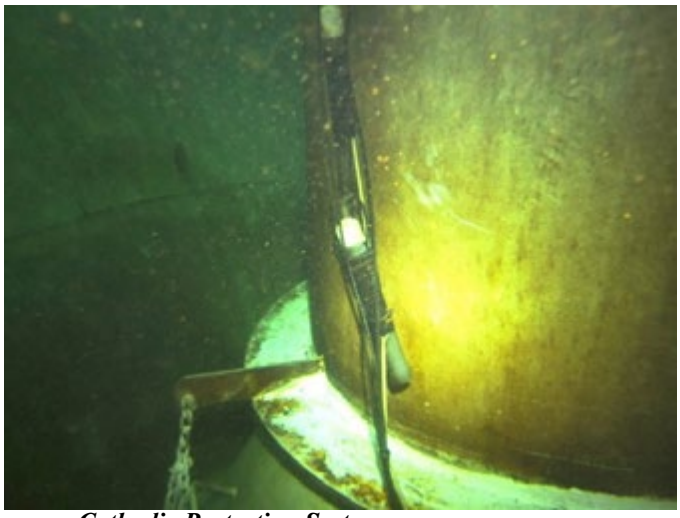


127 ***Cathodic Protection System***

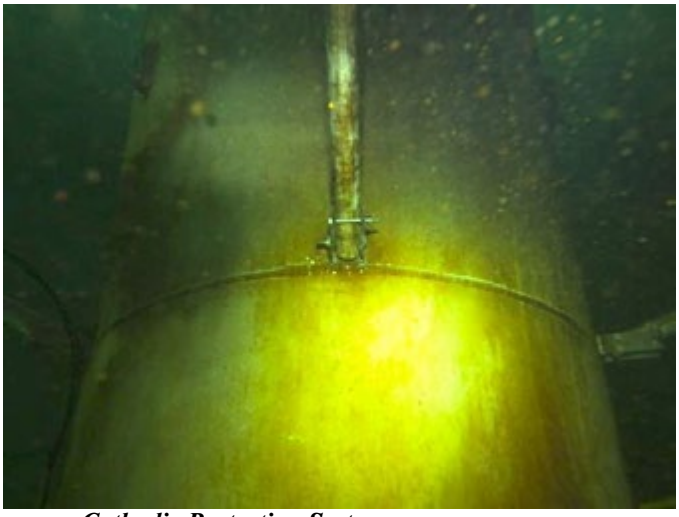
128 ***Cathodic Protection System***



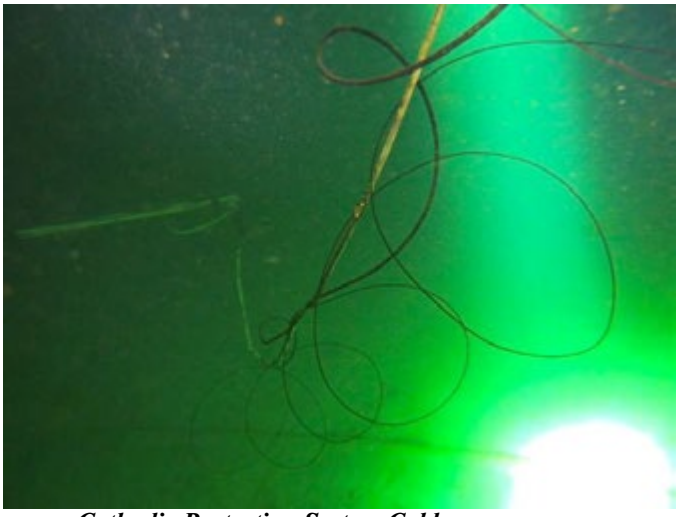
129 ***Cathodic Protection System***



130 ***Cathodic Protection System***



131 ***Cathodic Protection System***



132 ***Cathodic Protection System Cable***

133 ***Sacrificial Anode***

134 ***Sacrificial Anode***

135 ***Overhead***

136 ***Overhead***

137 ***Overhead***

138 ***Overhead***

139 ***Overflow***

140 ***Discharge During Cleaning***