



T.M.W.A.



Mt. Rose #2

03-31-2016

ATTN: Chris Struffert
Client: Truckee Meadows Water Authority
ADDRESS: 1355 Capital Blvd, Reno, NV 89502
Phone: (775) 834-8080

Tank: Above grade, welded steel
Height: 16'
Diameter: 74'
Year Built: 1993
Water Appearance - Good
Capacity - .05 MG
Number of Rings - 2
Coating Type - Epoxy

Approximate Measurement for all Penetrations:

- Center Roof Vent - 12" Diameter
- Access Hatch - 36" x 36"
- Inlet/Outlet/Drain - 12" Diameter
- Overflow - 12" Diameter
- Manways - 2 @ 30" Diameter

Date: 03/31/2016

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On March 31st, 2016, Blue Locker Commercial Diving Services, L.L.C. performed a cleaning and inspection of the Mt. Rose #2 reservoir for Truckee Meadows Water Authority. This report, along with the provided video, documents the findings of the inspection. All observations are observed strictly for your own considerations.

The tank is inspected and mapped using clock coordinates with the access hatch at 12:00. Appurtenance locations are described using their location on the clock. General areas of the tank are divided into quadrants starting with Quadrant A covering 12:00 to 3:00.

Section 1: Shell

- **Interior coating – good condition.**
- No blisters, cracking, peeling or rust observed.
- Rust staining and sediment staining observed in ring #2
- No other flaws observed.

Section 2: Floor

- **Floor coating – good condition.**
- No flaws observed through sediment.
- Less than 1/8th" of sediment was not removed by diver prior to inspection.
- No other flaws observed.

Section 3: Ceiling

- **Ceiling coating – fair condition.**
- Surface rust and rust staining throughout tank.
- Cracking & peeling in coating on beams & panels, exposing rusted steel throughout ceiling.
- No other flaws observed.

Section 4: Columns/Support Poles:

- **1 center support pole - good condition.**
- No cracking, blisters or peeling.
- **Structurally sound with coating in good condition.**
- Rust in crevices between base and floor.
- Surface rust and rust staining on upper pole and top hat.

Section 5: Water Level Indicators

- **Mechanical water level indicator - no longer in use, float removed by diver.**
- **Transducer is in good condition and appears functional and is sitting on floor.**
- Observations:
 - Ensure electronic level measurement is functioning to remain in compliance with NAC 445A.6708.7

Section 6: Roof Vent

- **12” diameter center roof vent - good condition - screen intact.**
- Observations:
 - Ensure screen mesh is 22-24 mesh per NAC 445A.6708.5

Section 7: Exterior Ladder

- **Exterior Ladder- good condition**
- Exterior ladder is structurally sound and secure to shell.
- No flaws observed on rungs, runners or cage.
- Safety climbing device, none present.

Section 8: Interior Ladder

- **Interior ladder appears to be in good condition.**
- Interior ladder is structurally sound and secure to shell.
- **Coating is in fair condition with peeling and rust observed on rungs and runners.**
- No other flaws observed.

Section 9: Access Hatch

- **36” x 36” access hatch - fair condition.**
- **Coating is in fair condition with surface rust on interior of opening and on hatch cover.**
- Observations:
 - Consider installing a gasket to ensure better seal around hatch cover.

Section 10: Inlet/Outlet/Drain

- **12” diameter penetration & mud-guard - good condition and unobstructed.**
- Rust spots on mud-guard and in crevice on penetration edge.
- No other flaws observed.

Section 11: Overflow

- **12” diameter overflow pipe – sound and unobstructed - good condition.**
- Surface staining on lower half of overflow box.
- No other flaws observed.

Section 12: Manways

- **2 @ 30" diameter manways – good condition**
- Seals appear to be intact.
- Rust spots in crevices at seals in both manways.
- No other flaws observed.

Section 13: Cathodic Protection

- **None Present**

Section 14: Miscellaneous Penetrations

- **None present.**

General Notes:

- **Keep up with regularly scheduled maintenance & cleanings on a 3-5 year rotation.**

**Sincerely,
Kelan Gondrezick**

Blue Locker Commercial Diving Services, L.L.C



Blue Locker Diving - Photo Documentation

Members - AWWA & NvRWA

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03/31/2016

1. Mt. Rose #2



2. Exterior Shell



3. Exterior Shell - Chine - Seismic



4. Exterior Shell



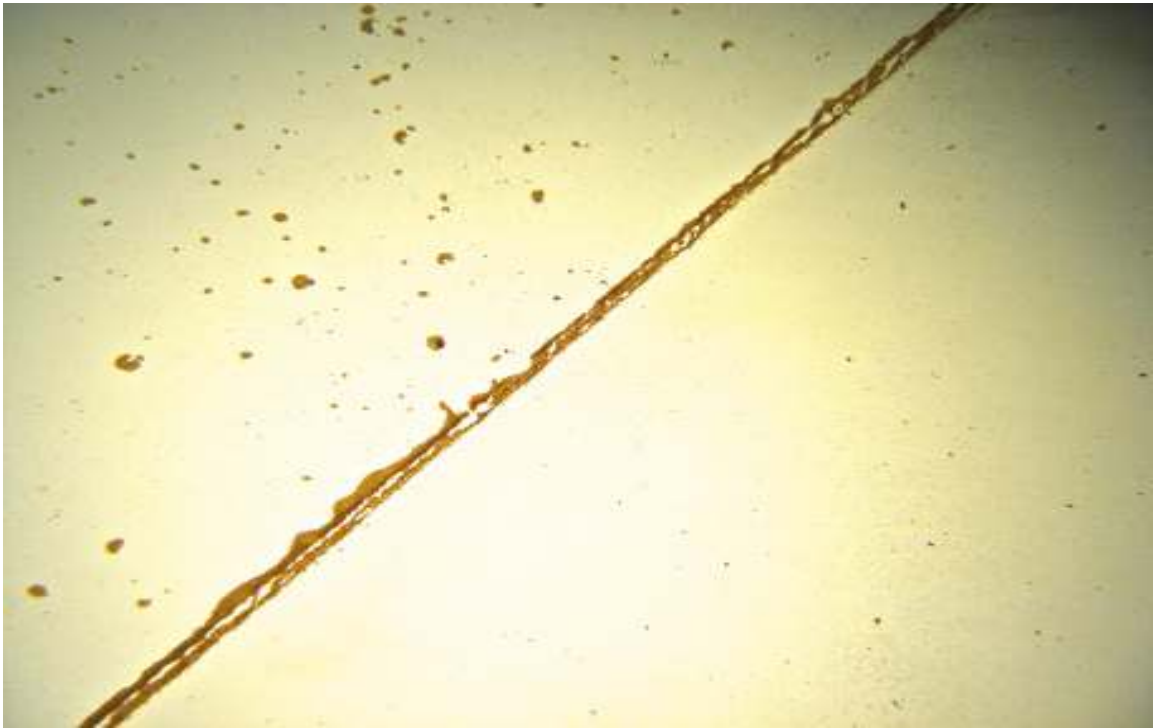
5. Roof Edge - (Seismic)



6. Roof - (Seismic)



7. Floor



8. Floor



9. Floor



10. Floor



11. Floor



12. Floor



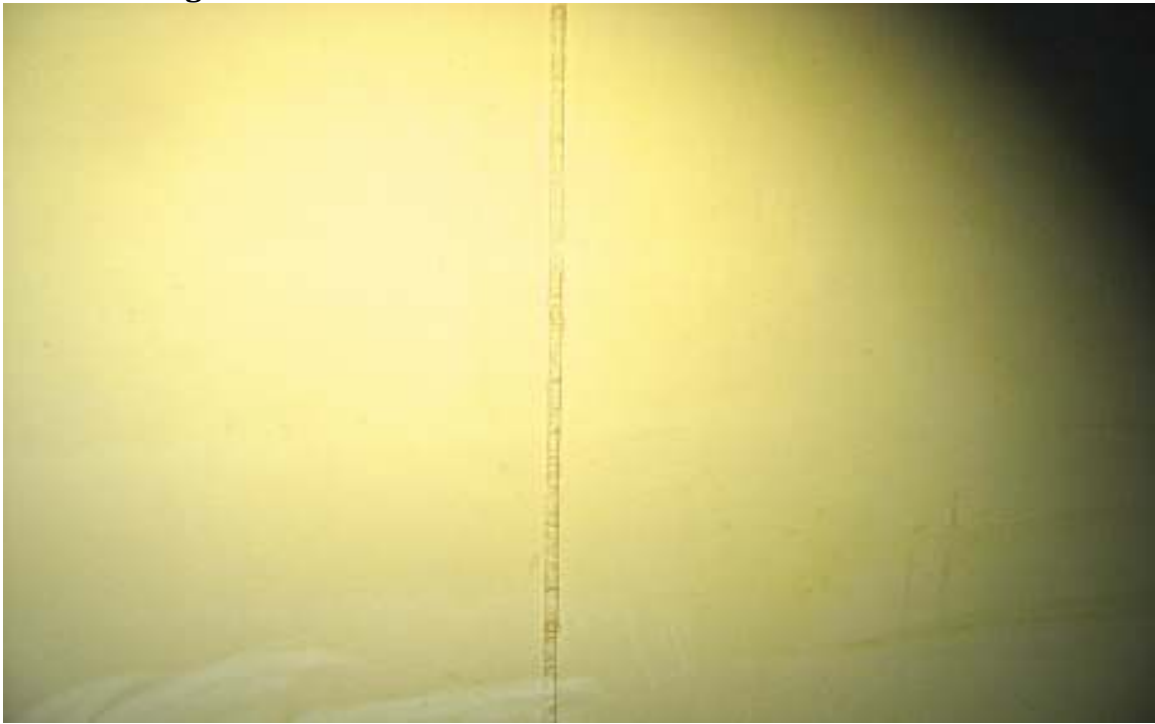
13. Shell at Floor



14. Floor at Shell



16. Shell Ring #1



17. Shell Ring #1



18. Shell Seam Rings #1-#2



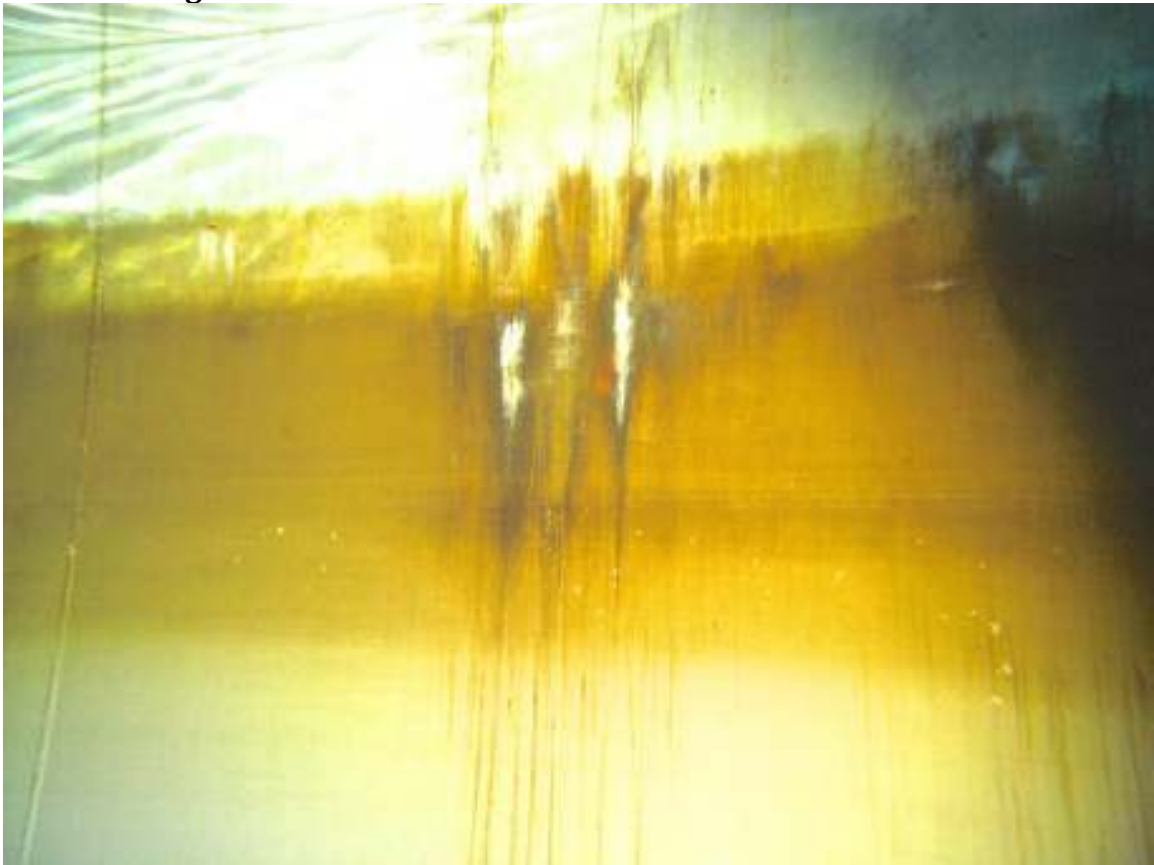
19. Shell Seam Rings #1-#2



20. Shell Ring #2



21. Shell Ring #2



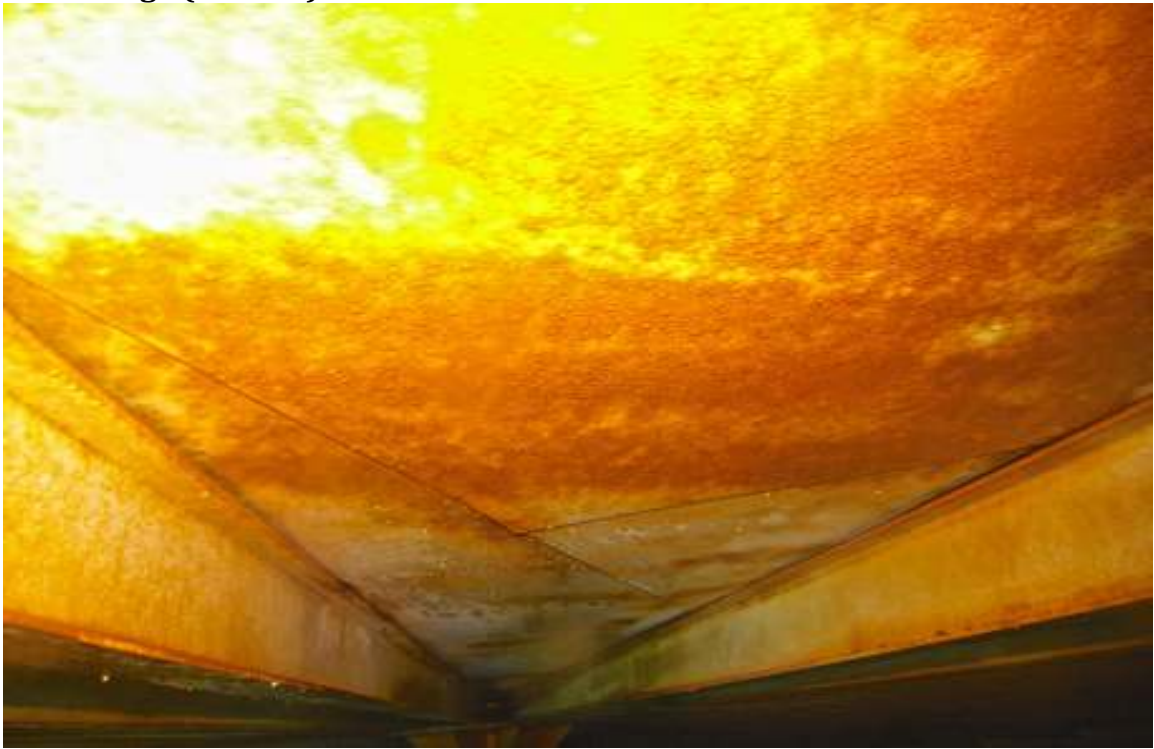
22. Shell at Ceiling



23. Shell at Ceiling



24. Ceiling - (Seismic)



25. Ceiling



26. Ceiling



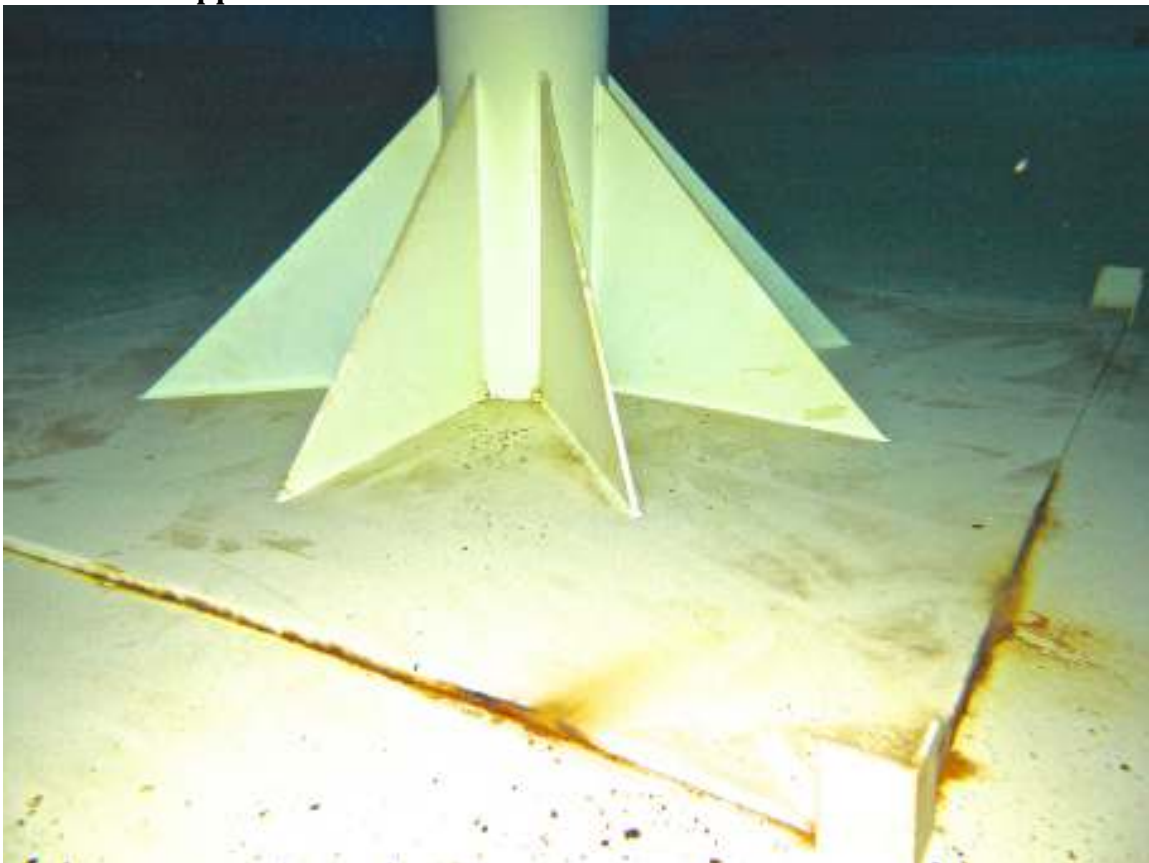
27. Ceiling



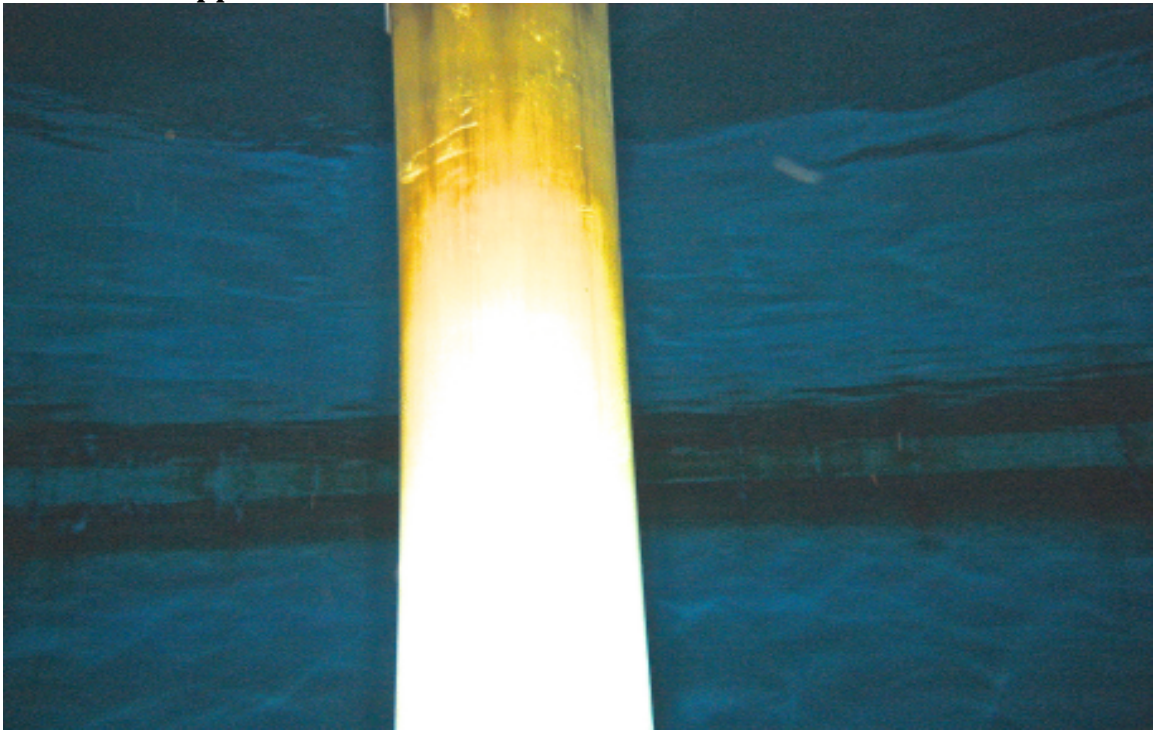
28. Ceiling



29. Center Support Pole - Base



30. Center Support Pole - Middle



31. Center Support Pole - Top



32. Water Level Indicator - (Abandoned)



33. W.L.I. Guide Wires - Abandoned



34. Transducer



35. Center Roof Vent



36. Exterior Ladder



37. Access Hatch



38. Interior Ladder - Top



39. Interior Ladder - Middle



40. Interior Ladder - Bottom



41. Inlet/Outlet/Drain



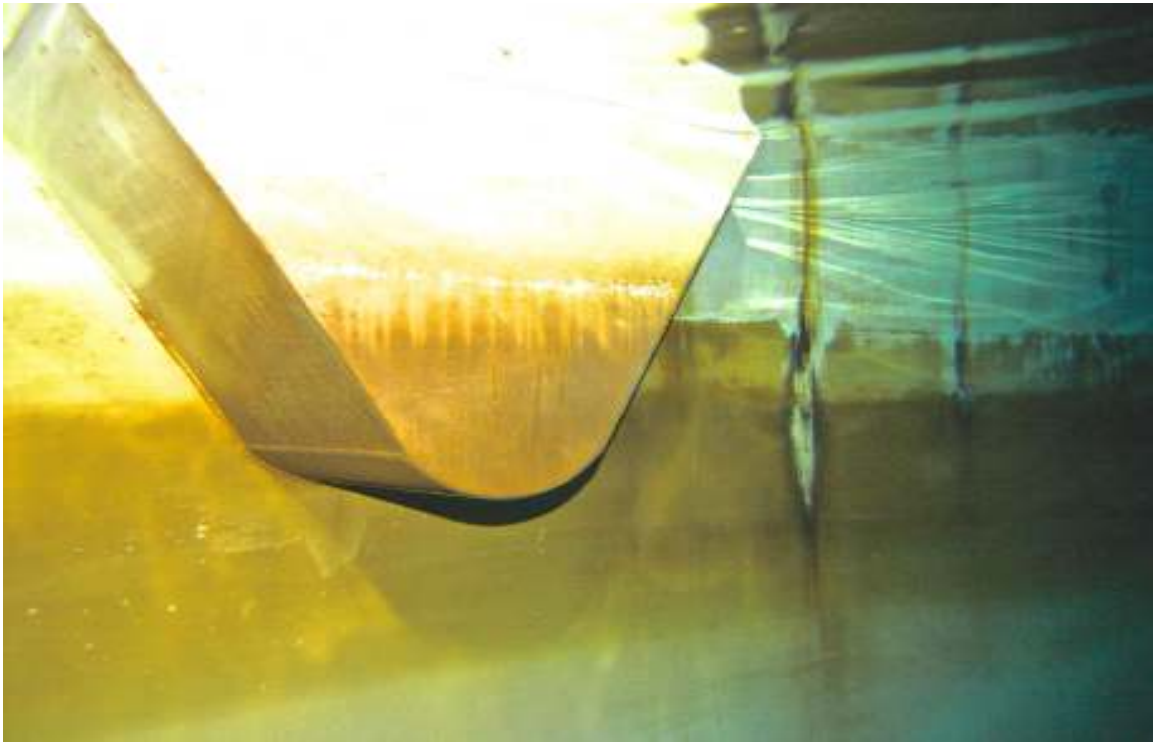
42. Overflow Bottom



43. Overflow - Near Top



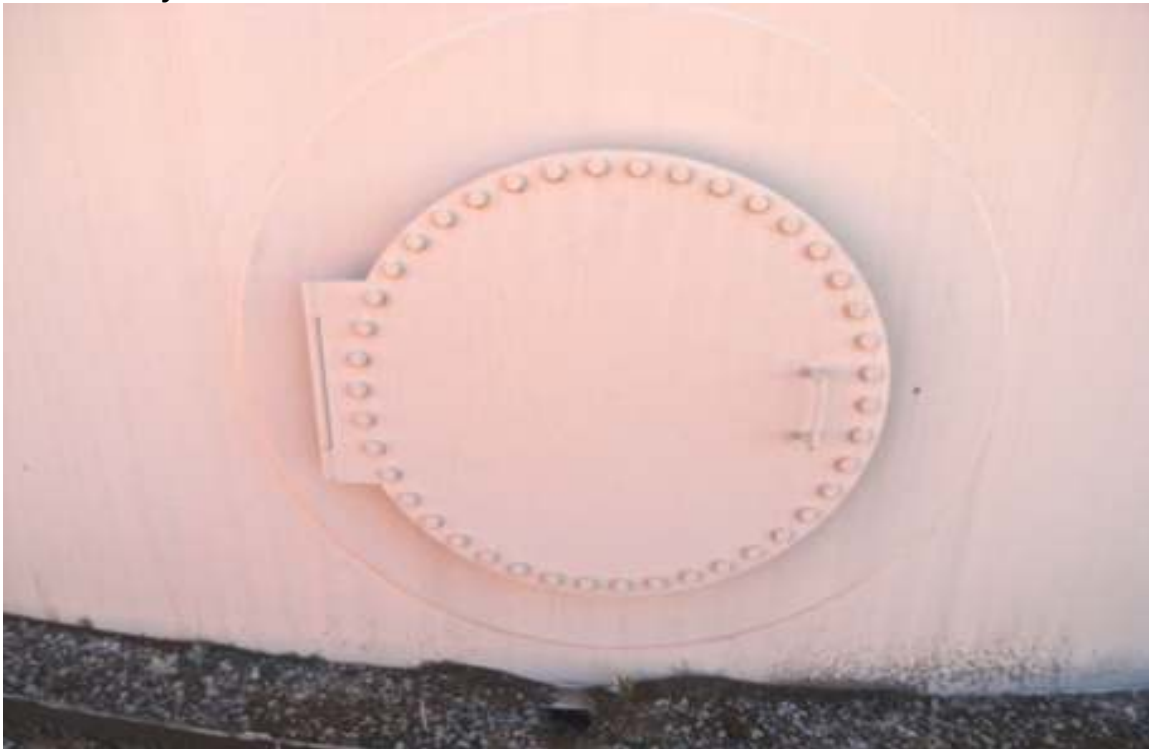
44. Overflow Box



45. Overflow -Top



46. Manway #1



47. Manway #1



48. Manway #2

