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BEFORE THE PUBLIC UTILITIES COMMISSION OF NEVADA

oo0oo

In the Matter of:

Docket No. 24-_____

Application of Great Basin Water Co., Pahrump, Spring Creek, Cold Springs, Pahrump, and Spanish Springs Divisions for Approval of its 2024 Integrated Resource Plan and to designate certain system improvement projects as eligible projects for which a system improvement rate may be established, and for relief properly related thereto.

VOLUME 8 OF 18

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Overflow Condition

Overflow Location: 1 o'clock
Coating Condition: Poor
Weld/Seam Condition: Fair
Corrosion Present? Y N
Percentage: 100%
Pitting Noted In Metal? Y N
Depth: N/A

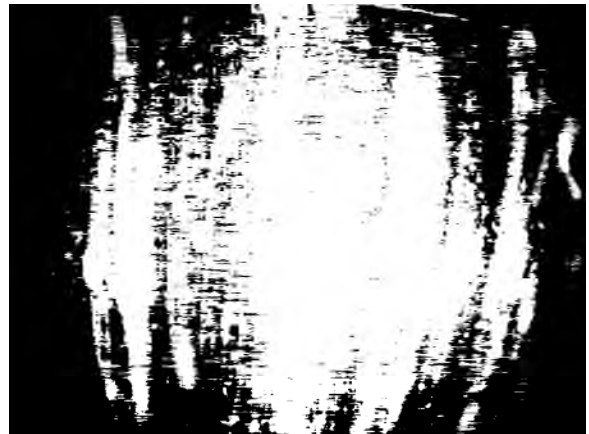
Summary: The overflow was found in fair condition with 100% surface corrosion noted.



Wall Panel Condition

Coating Condition: Poor
Welds/seam Condition: Fair
Corrosion Present On Panel? Y N
Percentage: 75%
Pitting Noted In Metal? Y N
Depth: 1/16 inch

Summary: The interior wall was found in poor condition with blistering, cracking, de-alloying, pitting, heavy rust noduling and 75% surface corrosion noted.



Roof Condition

Coating Condition: Poor
Welds/seam Condition: Fair
Corrosion Present On Panels? Y N
Percentage: 90%
Metal De-alloying Noted? Y N
Percentage: N/A

Summary: The interior roof was found in fair condition with 90% surface corrosion noted.

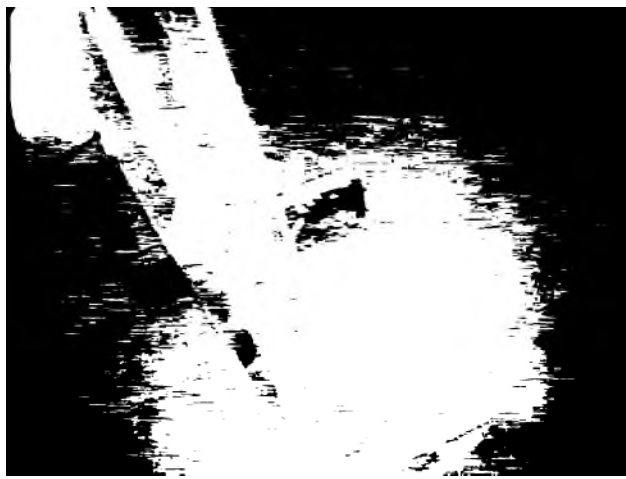
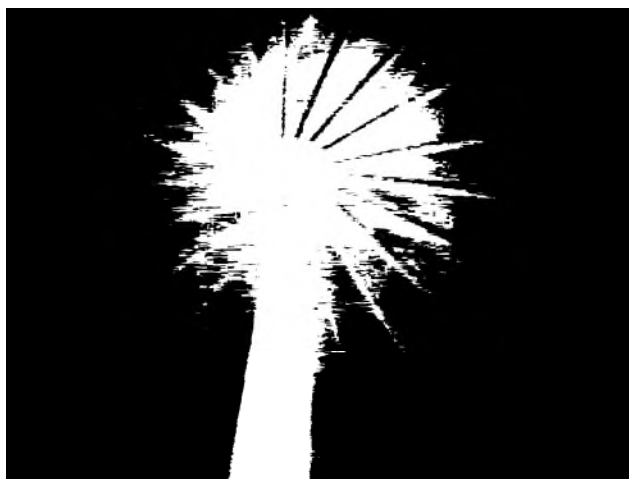


Support Column Condition

Coating Condition: Poor
Welds/seam Condition: Fair
Corrosion Present? Y N
Percent: 100%

Pitting Noted In Metal? Y N
Depth: 1/32 inch

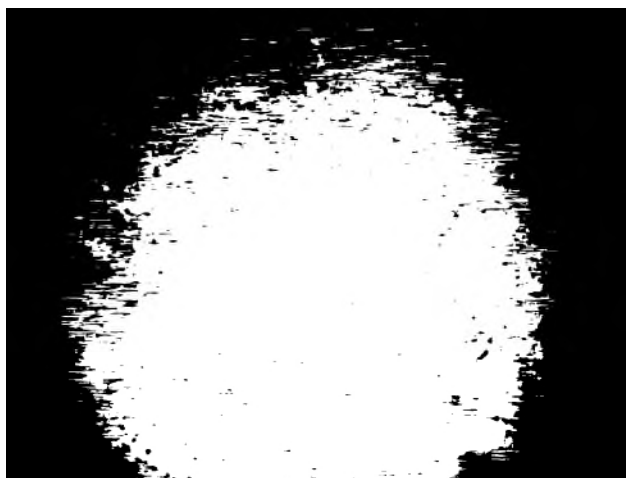
Summary: The support column was found in fair condition with cracking, blistering, heavy rust noduling and 100% concentrated cell corrosion & surface corrosion noted.



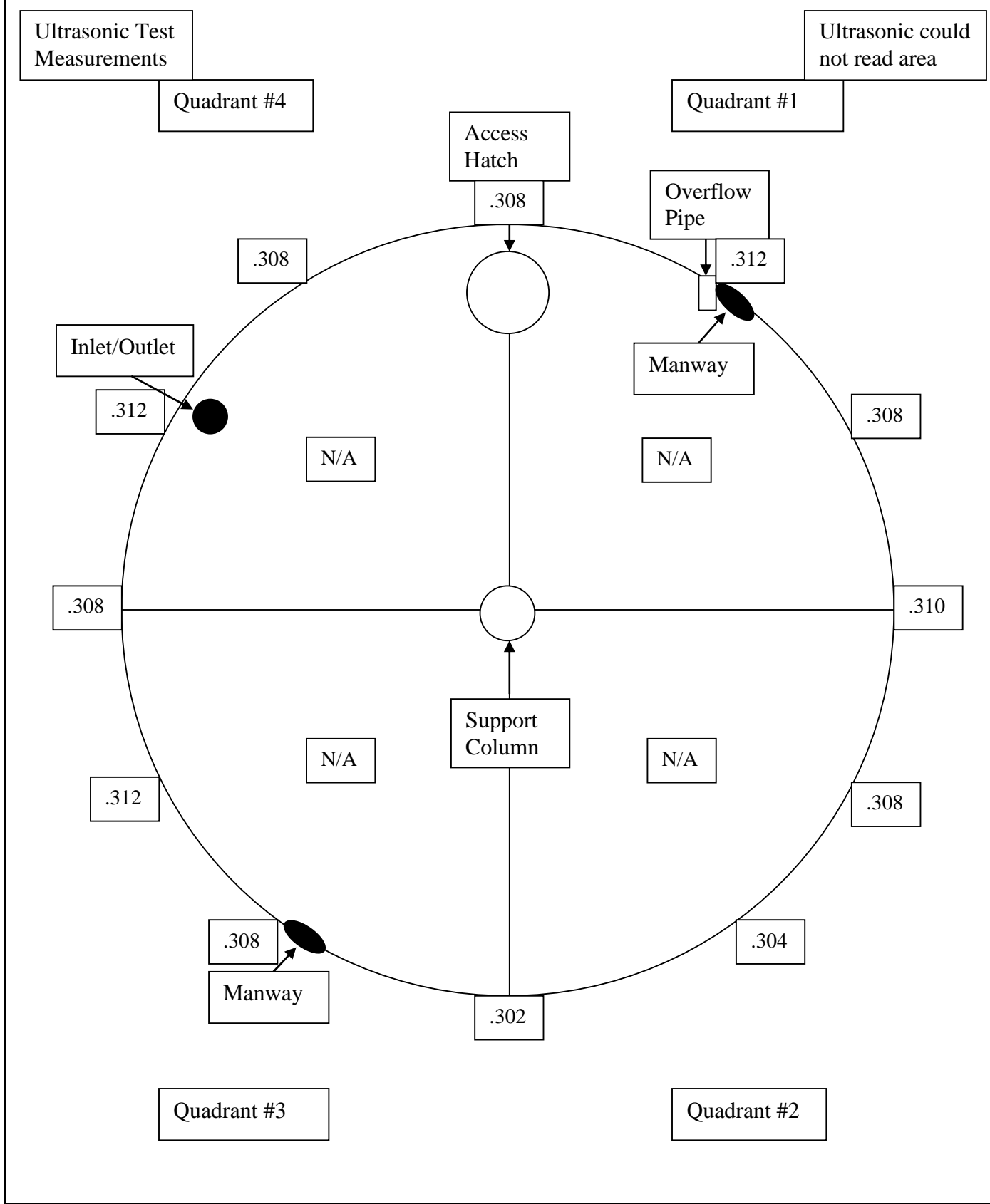
Floor Condition

Coating Condition: Poor
Welds/seam Condition: Fair
Corrosion Present? Y N
Percentage: 50%
Pitting Noted In Metal? Y N
Depth: N/A

Summary: The floor was found in poor condition with de-alloying, 30% rust noduling and 50% surface corrosion noted. Approximately 1/8 inch of sand was present.



Tank Layout



**Inspection Report for
Great Basin Water Company
Reno, NV**



East Side



West Side



North Side



South Side

**Spring Creek
250KG Steel On-Grade
Site 100 Tank 103A**

Date Completed: May 18, 2019

Commercial Dive Team:

**Diver – Cory Repasi
Dive Controller – Nico LeBlanc
Tender – James Strickland**

Scope of Work:

Our team completed sediment removal using underwater vacuum equipment. Sediment depth, averaging 1/16 inch (iron & manganese), was removed from the tank floor. When the cleaning process was finished, a full visual inspection was performed of the tank interior and all interior fixtures. The team also performed a full visual inspection of the tank exterior and all attached fixtures. The details of the inspection findings are included in the report below.

Summary of the Inspection:

Exterior Inspection

1. There was good access to the tank. (In a gated area)
2. The base of the tank was found in good condition.
3. The overflow was found in good condition with minor de-lamination and sags & runs in the coating noted and is directly connected to the storm drain.
4. The wall was found in good condition with minor sags & runs in the coating, moderate de-lamination and graffiti noted.
5. The manways were found secure and in good condition with minor de-lamination, sags & runs in the coating and 0.1% uniform surface corrosion noted.
6. The water level indicator board and pulley are in fair to good condition, but not operational.
7. The hatch was found locked with a gasket in place and in good condition with 0.1% uniform surface corrosion noted.
8. The ladder was found secure, OSHA approved and in good condition with moderate de-lamination noted.
9. The roof was found in good condition with heavy de-lamination and 50% uniform surface corrosion noted.
10. There is no vent. There is a metal plate welded to the center of the roof where a vent should be located.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now

Summary of the Inspection:

Interior Inspection

1. The interior roof was found in poor condition with greater than 50% uniform surface corrosion and rust noduling noted and ambient light showing through.
2. The overflow was found in fair to poor condition with 50% uniform surface corrosion noted.
3. The floor was found in poor condition with minor to moderate de-lamination, greater than 50% uniform surface corrosion and rust noduling noted.
4. The interior wall was found in poor condition with greater than 50% uniform surface corrosion and rust noduling noted.
5. The manways were found in fair to poor condition with 50% uniform surface corrosion and rust noduling noted. The seams were not visible but there are no signs of leaking.
6. The inlet was found in fair to poor condition with 50% uniform surface corrosion and rust noduling noted.
7. The outlet was found in fair condition with 50% uniform surface corrosion and rust noduling noted. The seams were not visible due to all the noduling.
8. The drain was found in fair to poor condition with greater than 50% uniform surface corrosion and rust noduling noted.
9. There was no float or cables located inside the tank.
10. The support column was found secure and in fair to poor condition with greater than 50% uniform surface corrosion and rust noduling noted.

Recommendations:

1. Schedule a blast and recoat of the interior as soon as budgets will allow. If, within 3 years, the recoating has not been completed, schedule a follow-up clean and inspect as recommended by the AWWA.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now



Inland Potable Services, Inc.

Exterior Inspection Report

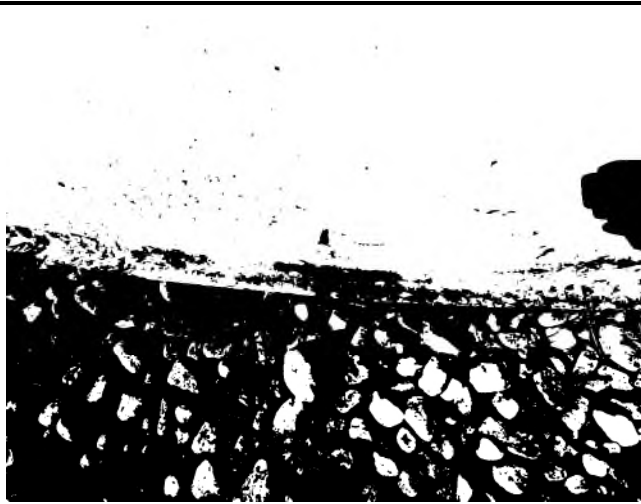


Foundation Condition

Foundation Exposed? Y N
 Anchor Bolts Present? Y N
 Corrosion on Anchor Bolts Present? Y N N/A
 Anchor Bolts Loose? Y N N/A

Cracking Noted In Foundation? Y N N/A
 Spalling Noted? Y N N/A

Summary: The base of the tank was found in good condition.



Overflow Structure Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Stand Off Supports Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Directly Connected To Sewer or Drain? Y N N/A
 End Cap Present? Y N

Hinge and Cap Condition: N/A
 #24 mesh Screen Present? Y N
 Condition: N/A

Summary: The overflow was found in good condition with minor de-lamination and sags & runs in the coating noted and is directly connected to the storm drain.



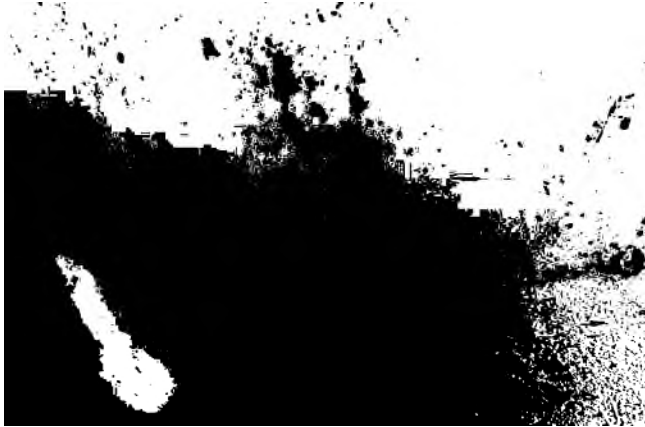
Wall Panel Condition

Coating Condition: Good/Fair
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Dents Present? Y N
 Holes Present? Y N
 Signs Of Leaking? Y N

Summary: The wall was found in good condition with minor sags & runs in the coating, moderate de-lamination and graffiti noted.



Graffiti



De-lamination



De-lamination

Manway Condition

Coating Condition: Both Good/Fair
 Weld/Seam Condition: Both Good
 Corrosion Present? Y N
 Oxidation Present? Y N

De-lamination Present? Y N

Summary: The manways were found secure and in good condition with minor de-lamination, sags & runs in the coating and 0.1% uniform surface corrosion noted.

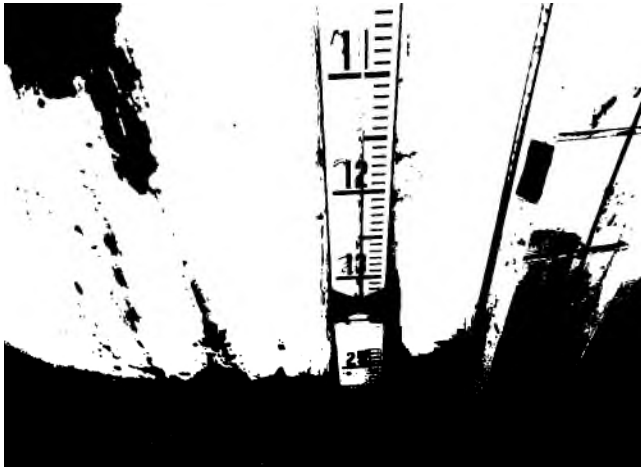


Water Level Indicator Condition

Marker Condition: Good/Fair
 Attached & Accurate? Y N
 Marker Board Condition: Good/Fair
 Is the level reading visible? Y N
 Pulley Condition: Poor
 Attached Properly? Y N

Cable Condition: Poor
 Attached Properly? Y N
 Hardware Condition: Good
 Corrosion Present? Y N

Summary: The water level indicator was found in poor condition and not connected to the pulley.



Pulley for water level indicator

Access Hatch Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Hatch Size: 20 inch round
 Riser Height: 4 inches Lid Height: 2 inches
 Hatch Locked? Y N

Hinge Condition: N/A
 Gasket Present? Y N
 Intact? Y N N/A
 Insects, Dirt Or Debris Present Under Hatch? Y N

Summary: The hatch was found locked with a gasket in place and in good condition with 0.1% uniform surface corrosion noted.



Hatch open



Underside of hatch lid

Access Ladder Condition

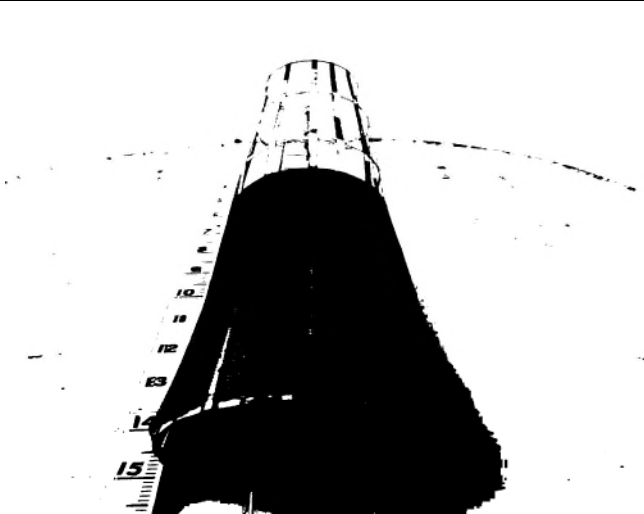
Ladder Type: Steel welded
 Is Ladder and Safety Climb **OSHA** Approved? Y N
 Is Vandal Guard Present? Y N
 Locked? Y N N/A
 Safety Climb Type: Cage and cable grab
 Safety Climb Condition: Excellent
 Is Top Of Tank Easily Accessible? Y N
 Coating Condition: Good/Fair

Seams/Welds Condition: Good
 Stand Off Supports Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The ladder was found secure, OSHA approved and in good condition with moderate de-lamination noted.



Ladder and safety cable



Safety cage overall



Top of safety cage

Roof Condition

Roof Type: Pitched
 Coating Condition: Fair
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Low Spots Present? Y N
 Holes in Roof? Y N

Cathodic Protection Plates Present? Y N
 Sealed Edges: Y N N/A
 Loose Plates? Y N N/A
 Missing Plates? Y N N/A

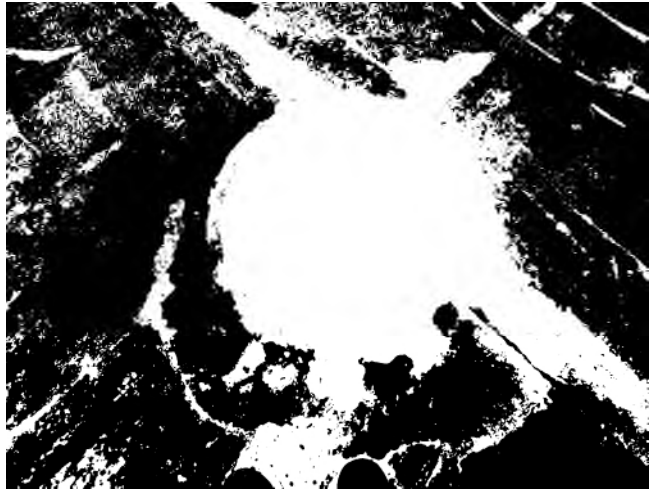
Summary: The roof was found in good condition with heavy de-lamination and 50% uniform surface corrosion noted.



Vent Condition

Coating Condition:
 Seams/Welds Condition:
 Corrosion Present: Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 #24 Mesh Screen in Place? Y N
 Condition:
 All Openings Sealed? Y N
 Cap Condition:

Summary: There is a metal plate welded to the center of the roof that appears to be where a vent once was.





Inland Potable Services, Inc.

Interior Inspection Report



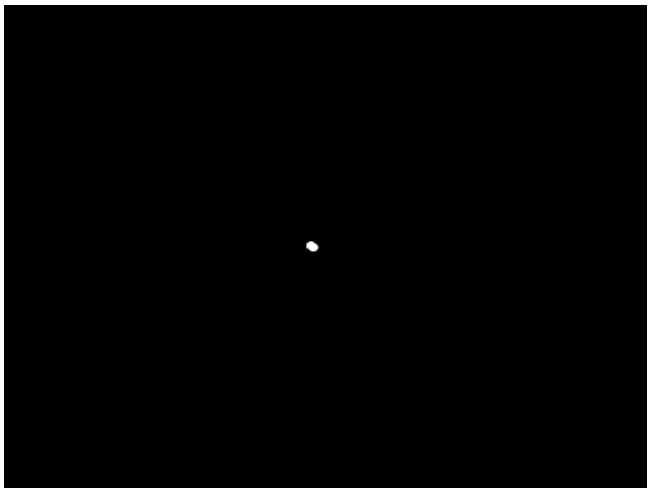
Roof Condition

Coating Condition: Poor
Welds/seam Condition: Fair
Corrosion Present On Panels? Y N
Oxidation Present? Y N
De-lamination Present? Y N

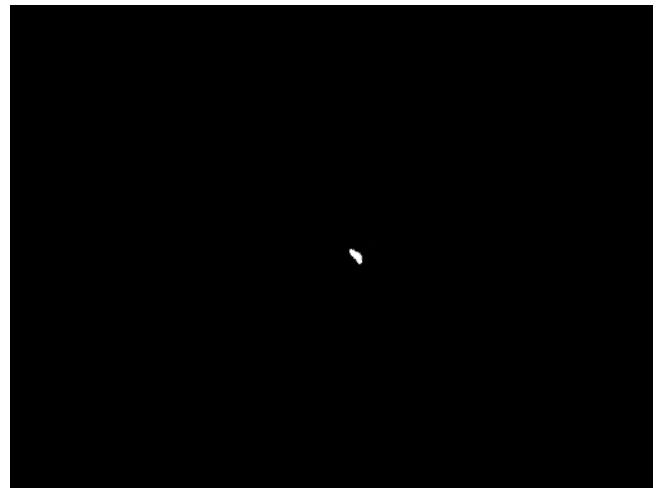
Summary: The interior roof was found in poor condition with greater than 50% uniform surface corrosion and rust noduling noted and ambient light showing through.



Roof to wall seam



Ambient light



Ambient light

Overflow Condition

Overflow Location: 1 o'clock
 Coating Condition: Poor
 Weld/Seam Condition: Fair
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The overflow was found in fair to poor condition with 50% uniform surface corrosion noted.



Floor Condition

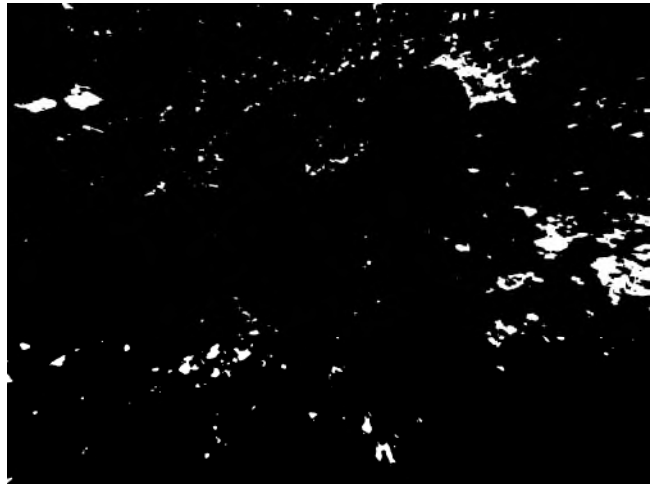
Coating Condition: Poor
 Welds/seam Condition: Fair
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Sediment Depth: 1/16 inch

Any irregularities or structural deficiencies? Y N

Summary: The floor was found in poor condition with minor to moderate de-lamination, greater than 50% uniform surface corrosion and rust noduling noted.



Noduling



Floor/wall seam and de-lamination

Wall Panel Condition

Coating Condition: Poor
Welds/seam Condition: Fair
Corrosion Present On Panel? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Is Biofilm Present: Y N
Any irregularities or structural deficiencies? Y N

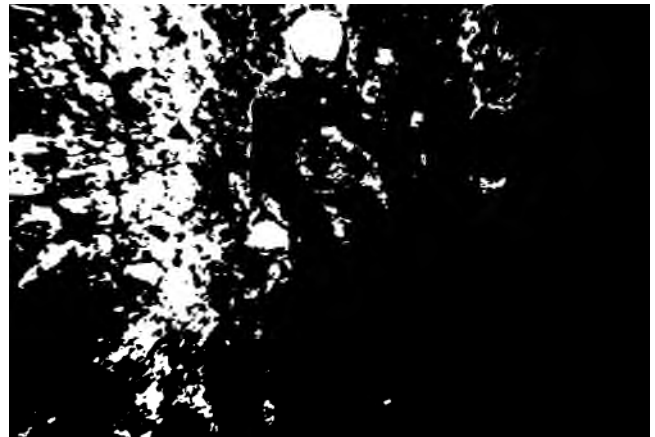
Summary: The interior wall was found in poor condition with greater than 50% uniform surface corrosion and rust noduling noted.



Wall/roof seam



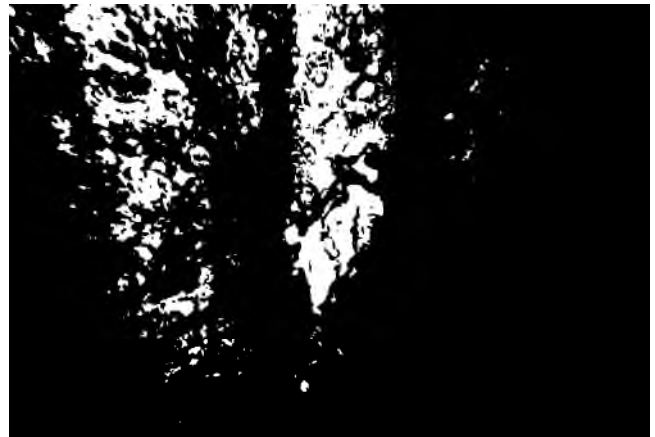
Noduling



Noduling



Noduling



Noduling

Manway Condition

Manway Location(s): 2:30 o'clock & 8 o'clock

Coating Condition: Both Fair/Poor

Weld/Seam Condition: Both Poor

Corrosion Present? Y N

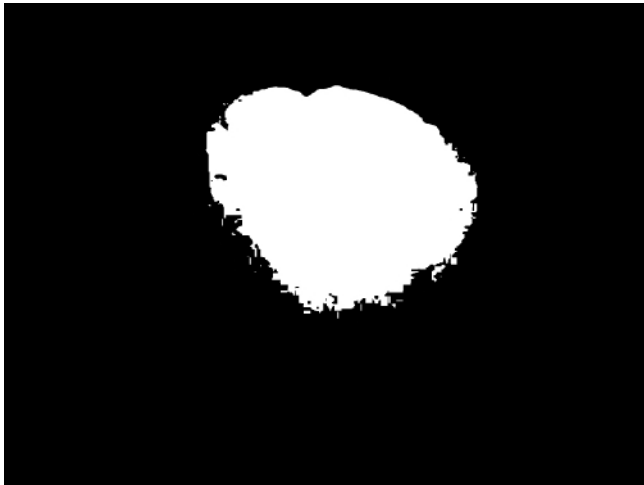
Oxidation Present? Y N

De-lamination Present? Y N

Summary: The manways were found in fair to poor condition with 50% uniform surface corrosion and rust noduling noted. The seams were not visible but there are no signs of leaking.



Manway riser



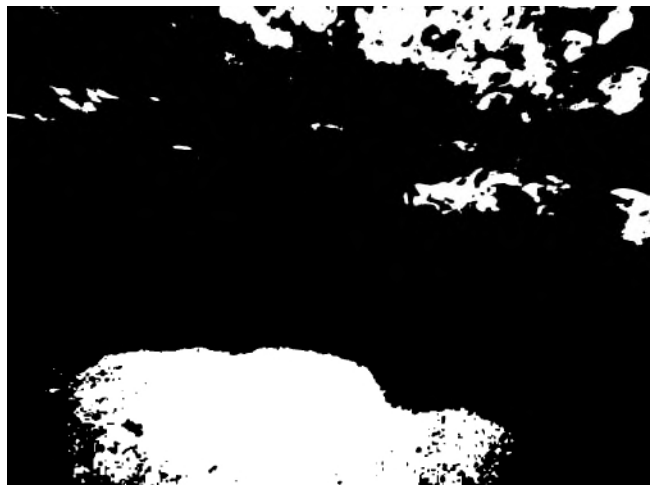
Manway 1



Close-up of manway 1



Manway 2



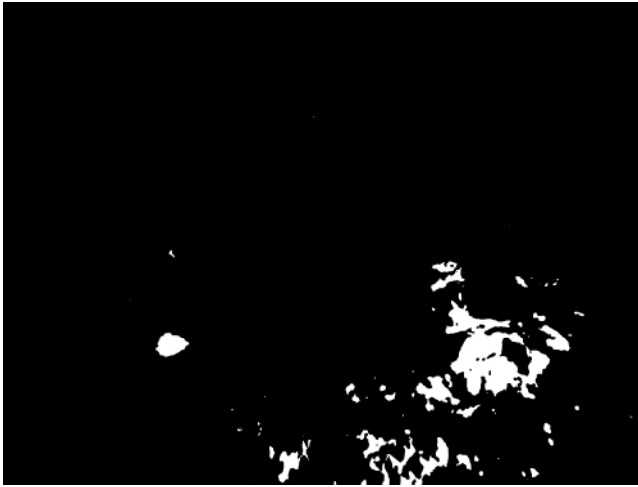
Close-up of manway 2

Inlet and Outlet Condition

Common Inlet/Outlet? Y N Location: N/A
 If Separate:
 Inlet Location: 2 o'clock
 Coating Condition: Poor
 Weld/Seam Condition: Fair
 Corrosion Present? Y N

Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The inlet was found in fair to poor condition with 50% uniform surface corrosion and rust noduling noted.



Looking down the inlet

Common Inlet/Outlet? Y N Location: N/A
 If Separate:
 Outlet Location: 9:30 o'clock
 Coating Condition: Fair/Poor
 Weld/Seam Condition: Fair
 Corrosion Present? Y N

Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The outlet was found in fair condition with 50% uniform surface corrosion and rust noduling noted. The seams were not visible due to all the noduling.



Looking down the outlet

Drain Condition

Drain Location: 1:45 o'clock
Coating Condition: Poor
Weld/Seam Condition: Fair
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

Summary: The drain was found in fair to poor condition with greater than 50% uniform surface corrosion and rust noduling noted.



Float Condition

~~Float Location:
Guidelines Condition:
Attached Properly? Y N
Cable Condition:
Attached Properly? Y N
Hardware Condition:
Corrosion Present? Y N~~

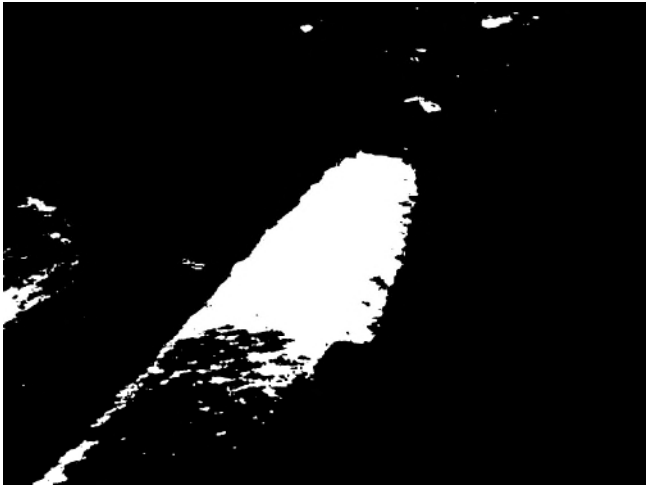
~~Float Condition:
Sealed? Y N~~

Summary: There was no float or cables located inside the tank.

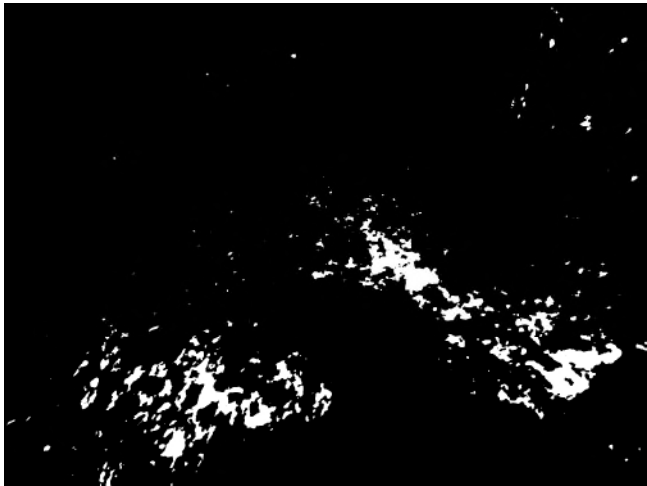
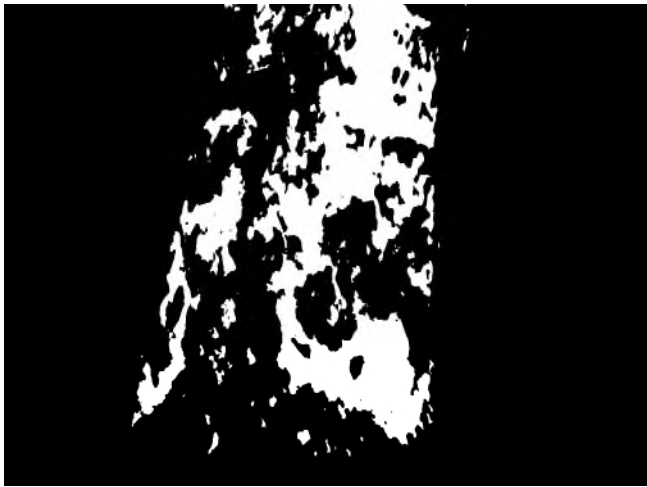
Support Column Condition

Number Of Columns: 1
Coating Condition: Poor
Welds/seam Condition: Fair
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

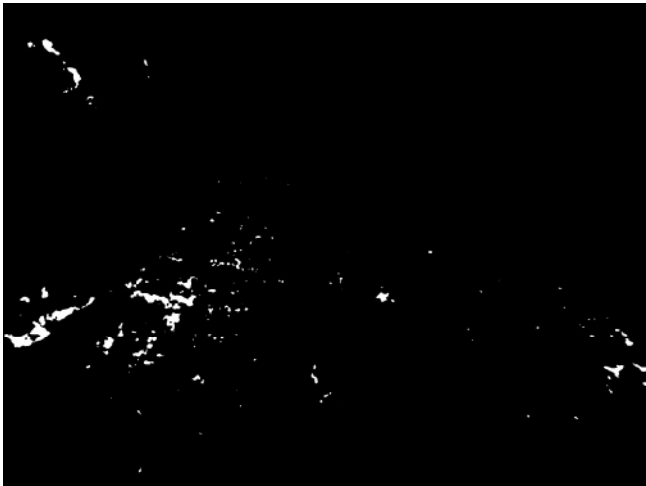
Summary: The support column was found secure and in fair to poor condition with greater than 50% uniform surface corrosion and rust noduling noted.



Top of support column

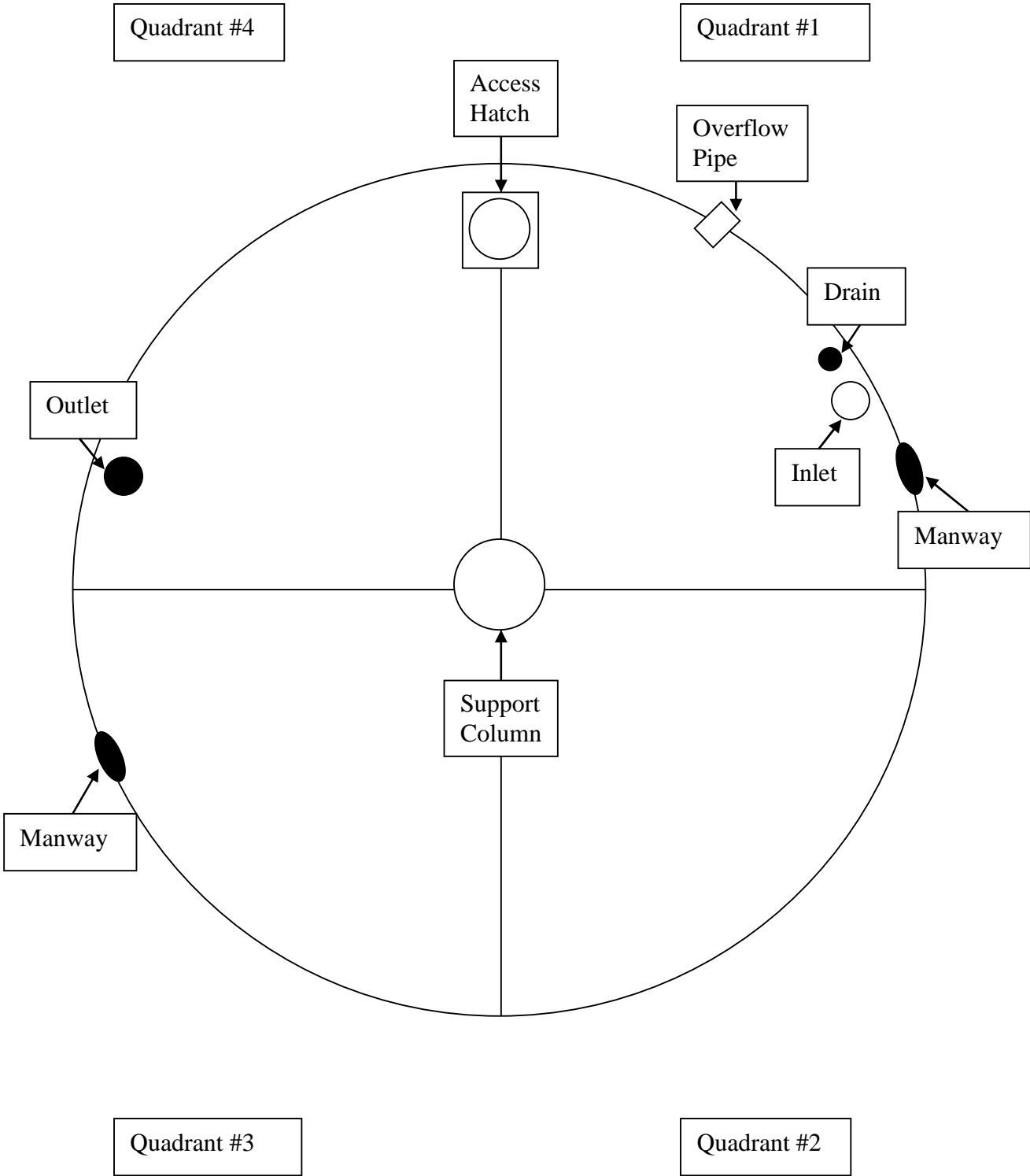


Base of column



Base of column

Tank Layout

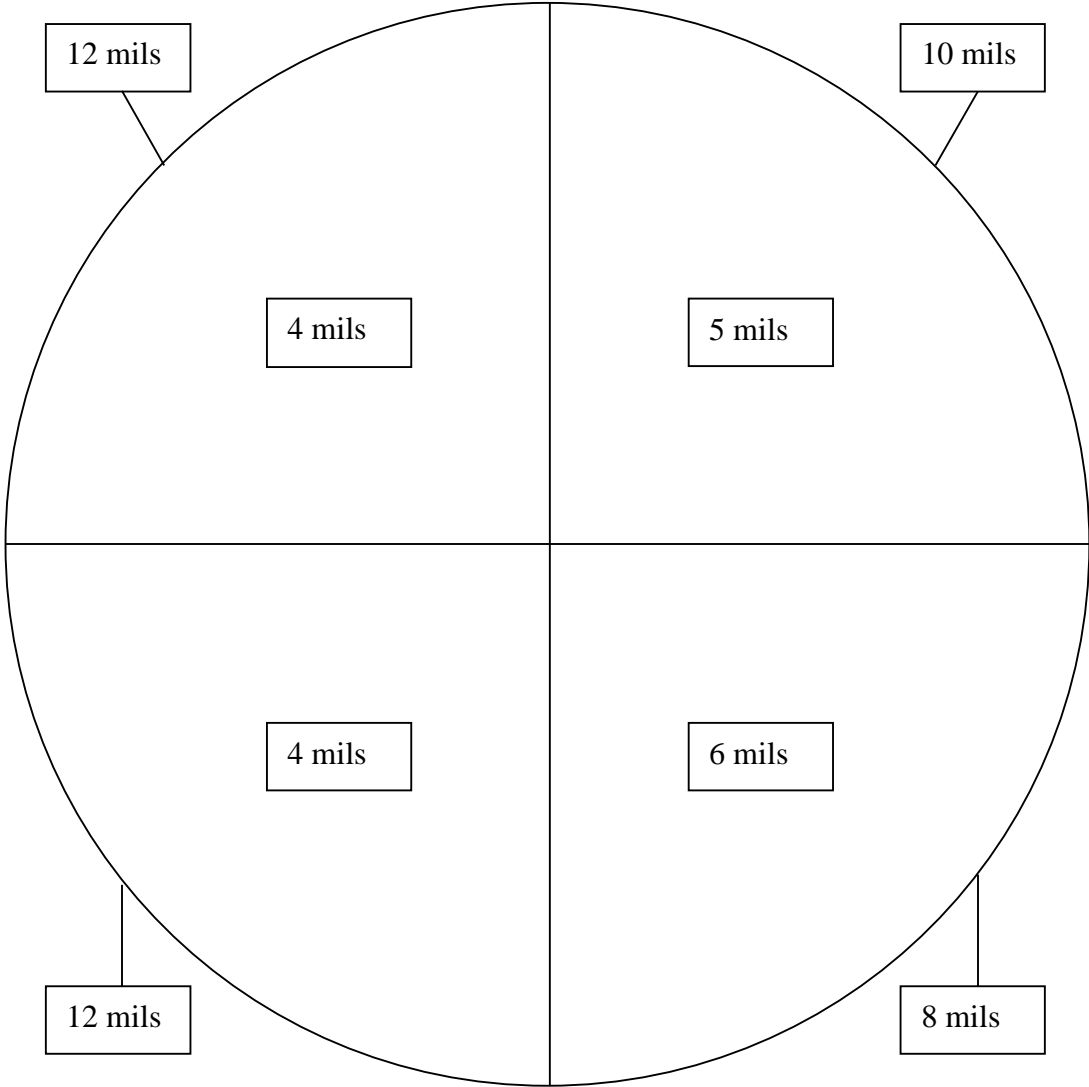


Tank Layout

Roof and Wall Coating Thickness Measurements

Quadrant #4

Quadrant #1



Quadrant #3

Quadrant #2

Tank Layout

Ultrasonic Metal Thickness Testing

Quadrant #4

Quadrant #1

.168

.276

.017

.319

N/A

N/A

N/A

.282

N/A

N/A

.128

.304

.286

.301

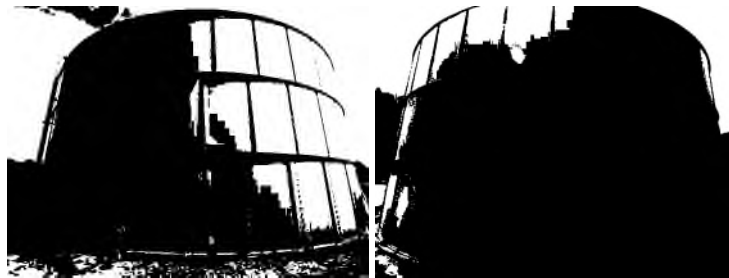
.302

Quadrant #3

Quadrant #2

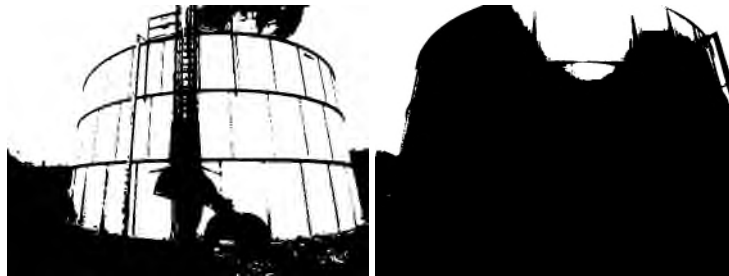
N/A = Accurate readings of the metal thickness of the interior floor could not be obtained due to the absence of a solid top surface. Ultrasonic testing requires a solid surface on both the interior and exterior metal panel.

**Inspection Report for
Great Basin Water Company
Reno, NV**



East Side

West Side



North Side

South Side

**Spring Creek
500KG Steel On-Grade
Site 100 Tank 103B**

Date Completed: May 17, 2019

Commercial Dive Team:

**Diver – Nico LeBlanc
Dive Controller – Cory Repasi
Tender – James Strickland**

Scope of Work:

Our team completed sediment removal using underwater vacuum equipment. Sediment depth, averaging 1/16 inch (iron & manganese), was removed from the tank floor. When the cleaning process was finished, a full visual inspection was performed of the tank interior and all interior fixtures. The team also performed a full visual inspection of the tank exterior and all attached fixtures. The details of the inspection findings are included in the report below.

Summary of the Inspection:

Exterior Inspection

1. There was good access to the tank. (In a gated area)
2. The foundation was found in good condition with minor moss growth and hairline cracking noted.
3. The overflow was found in good condition with minor staining noted and is directly connected to the storm drain.
4. The wall was found in fair condition with minor moss growth, moderate de-lamination, staining, graffiti and 0.01% uniform surface corrosion noted.
5. The manways were found secure and in good condition.
6. The water level indicator was found in good condition.
7. The ladder was found secure, OSHA approved and in good condition.
8. The hatch was found locked with a gasket in place and in good condition with 0.01% uniform surface corrosion noted.
9. The roof was found in good condition with 0.1% uniform surface corrosion noted.
10. The vent was found in good condition.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now

Summary of the Inspection:

Interior Inspection

1. The interior roof was found in good condition with moisture build-up and 0.1% uniform surface corrosion noted.
2. The ladder was found secure and in good condition with moderate staining and 0.01% rust noduling noted.
3. The overflow was found in good condition with moisture build-up and minor staining noted.
4. The interior wall was found in good condition with minor staining and 0.03% rust noduling noted mainly on the bolts.
5. The floor was found in good condition with minor staining and 0.3% rust noduling noted mainly on the bolts.
6. The manways were found in good condition with moderate staining and 0.01% rust noduling noted.
7. The inlet was found in good condition with minor staining and 0.03% rust noduling noted.
8. The outlet was found in good condition with moderate staining and 1% rust noduling noted.
9. The float was found in good condition with moderate staining noted.
10. The support column was found secure and in good condition with moderate to heavy staining, 0.01% uniform surface corrosion and 0.03% rust noduling noted.

Recommendations:

1. Continue to schedule a clean and inspect every 3-5 years per AWWA recommendations.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now



Inland Potable Services, Inc.
Exterior Inspection Report



Foundation Condition

Foundation Exposed? Y N
 Anchor Bolts Present? Y N
 Corrosion on Anchor Bolts Present? Y N N/A
 Anchor Bolts Loose? Y N N/A

Cracking Noted In Foundation? Y N N/A
 Spalling Noted? Y N N/A

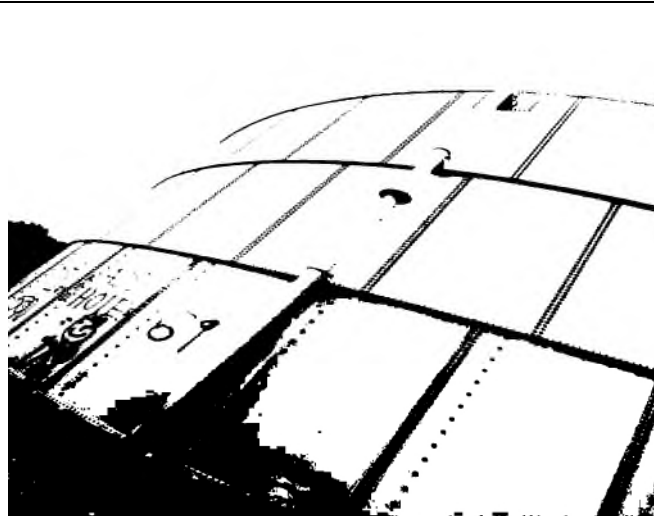
Summary: The foundation was found in good condition with minor moss growth and hairline cracking noted.



Overflow Structure Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Stand Off Supports Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Directly Connected To Sewer or Drain? Y N N/A
 End Cap Present? Y N
 Hinge and Cap Condition: N/A
 #24 mesh Screen Present? Y N
 Condition: N/A

Summary: The overflow was found in good condition with minor staining noted and is directly connected to the storm drain.

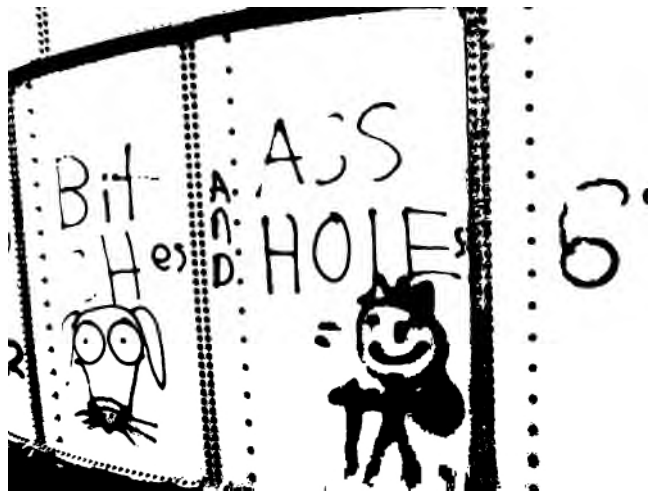
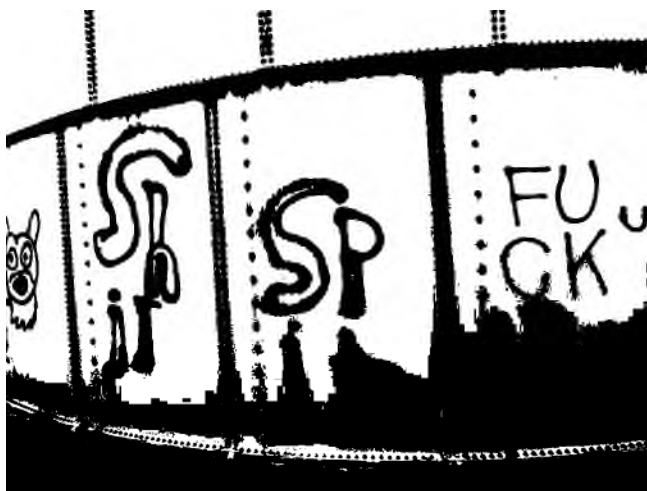
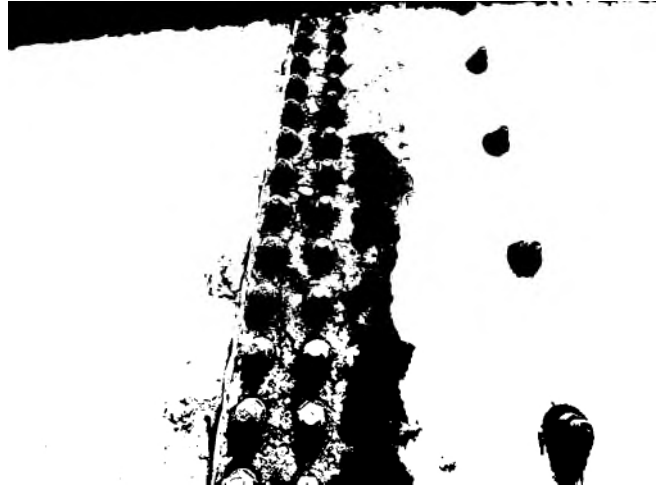


Wall Panel Condition

Coating Condition: Fair/Poor
Seams/Welds Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Dents Present? Y N
Holes Present? Y N
Signs Of Leaking? Y N

Summary: The wall was found in fair condition with minor moss growth, moderate de-lamination, staining, graffiti and 0.01% uniform surface corrosion noted.

| LIQUID TANK DATA | | | |
|------------------|----------------------|----------------------|----------------------|
| DATE | <input type="text"/> | S.O. | <input type="text"/> |
| DIA. | <input type="text"/> | HT | <input type="text"/> |
| NOM. CAPACITY | | <input type="text"/> | |
| DESIGN | | | |
| PRODUCT | | <input type="text"/> | |
| 1.0 | | | |
| MVA 2100-07 | | | |
| 1.0 | | .5 | |

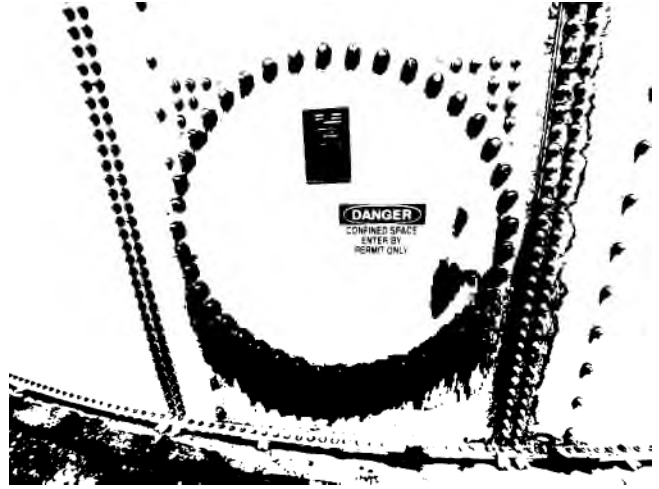
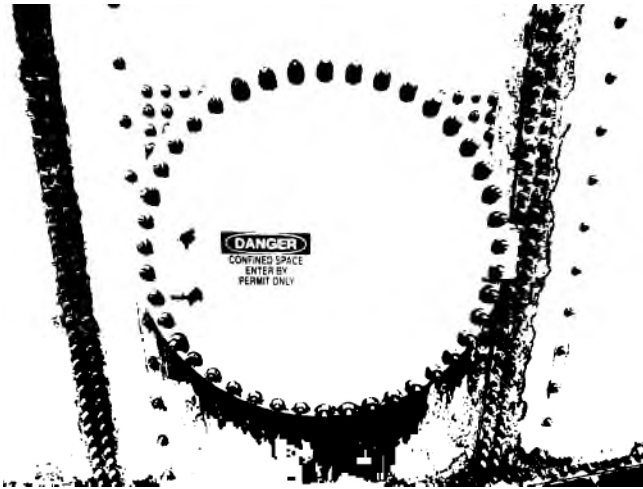


Manway Condition

Coating Condition: Both Good
 Weld/Seam Condition: Both Good
 Corrosion Present? Y N
 Oxidation Present? Y N

De-lamination Present? Y N

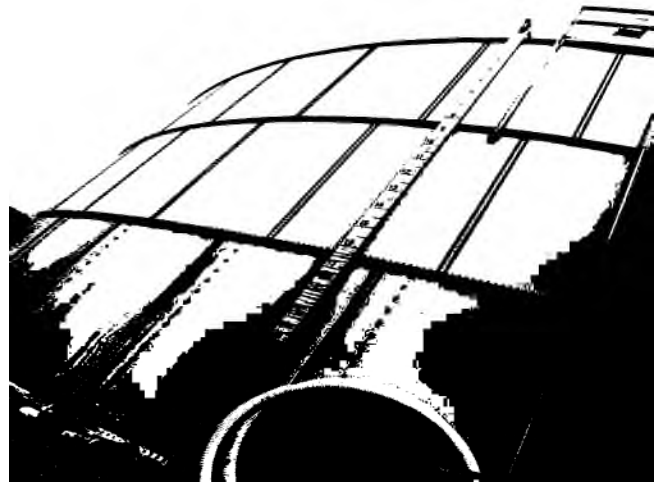
Summary: The manways were found secure and in good condition.



Water Level Indicator Condition

Marker Condition: Good
 Attached & Accurate? Y N
 Marker Board Condition: Fair
 Is the level reading visible? Y N
 Pulley Condition: Good
 Attached Properly? Y N
 Cable Condition: Good
 Attached Properly? Y N
 Hardware Condition: Good
 Corrosion Present? Y N

Summary: The water level indicator was found in good condition.

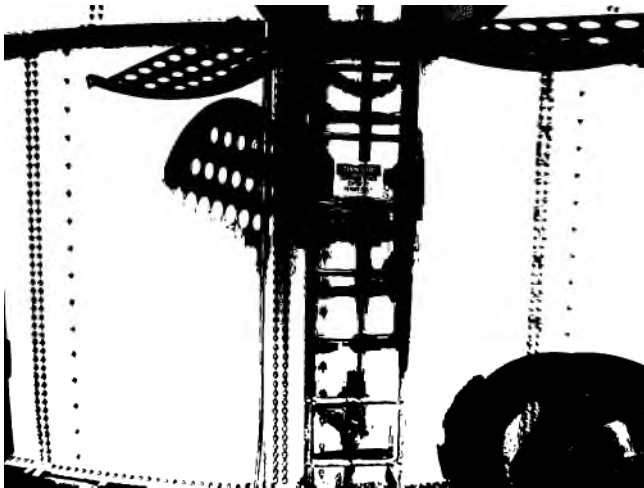


Access Ladder Condition

Ladder Type: Steel bolted
 Is Ladder and Safety Climb **OSHA** Approved? Y N
 Is Vandal Guard Present? Y N
 Locked? Y N N/A
 Safety Climb Type: Cage
 Safety Climb Condition: Good
 Is Top Of Tank Easily Accessible? Y N
 Coating Condition: Good

Seams/Welds Condition: Good
 Stand Off Supports Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The ladder was found secure, OSHA approved and in good condition.



Access Hatch Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present: Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Hatch Size: 2 foot square
 Riser Height: 4 inches Lid Height: 2 inches
 Hatch Locked? Y N
 Hinge Condition: Good
 Gasket Present? Y N
 Intact? Y N N/A
 Insects, Dirt Or Debris Present Under Hatch? Y N

Summary: The hatch was found locked with a gasket in place and in good condition with 0.01% uniform surface corrosion noted.

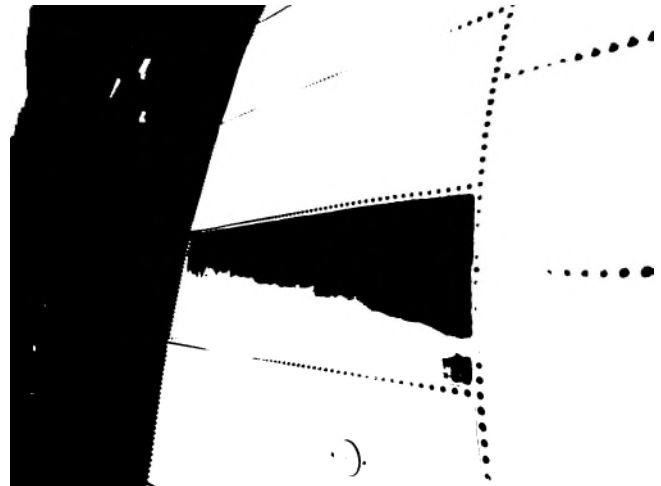
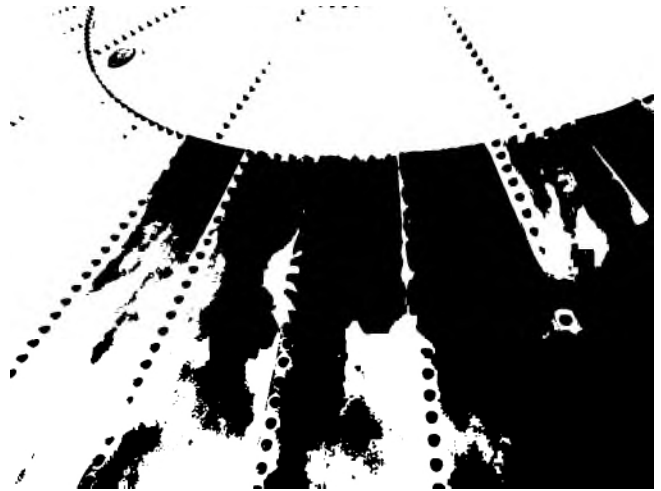


Underside of hatch lid

Roof Condition

Roof Type: Pitched
Coating Condition: Good
Seams/Welds Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Low Spots Present? Y N
Holes in Roof? Y N
Cathodic Protection Plates Present? Y N
 Sealed Edges: Y N N/A
 Loose Plates? Y N N/A
 Missing Plates? Y N N/A

Summary: The roof was found in good condition with 0.1% uniform surface corrosion noted.



Vent Condition

Coating Condition: Good
Seams/Welds Condition: Good
Corrosion Present: Y N
Oxidation Present? Y N
De-lamination Present? Y N
#24 Mesh Screen in Place? Y N
 Condition: Good
All Openings Sealed? Y N
Cap Condition: Good

Summary: The vent was found in good condition.





Inland Potable Services, Inc.

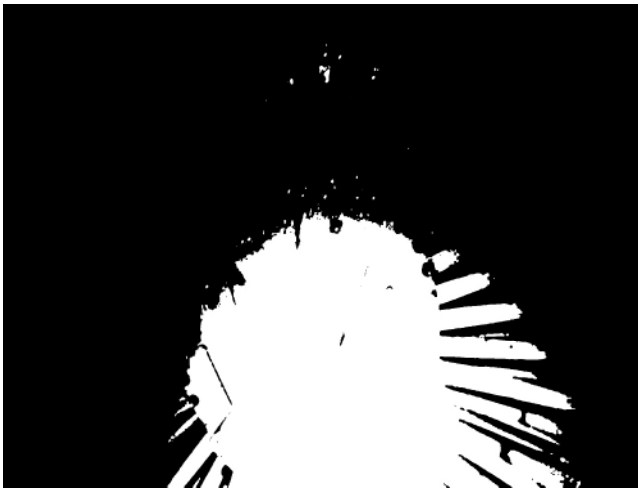
Interior Inspection Report



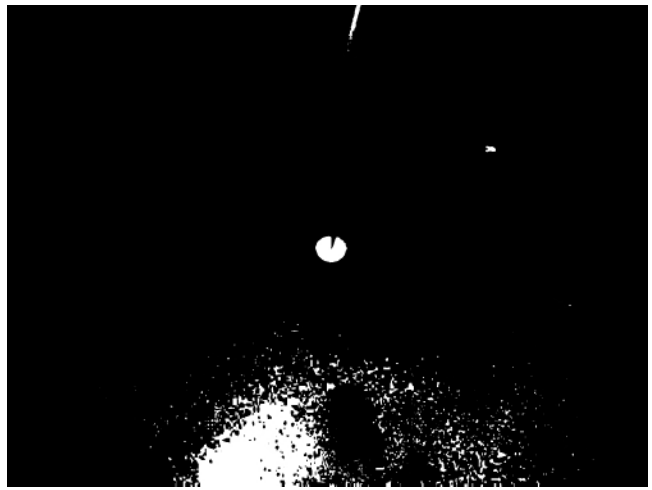
Roof Condition

Coating Condition: Good
Welds/seam Condition: Good
Corrosion Present On Panels? Y N
Oxidation Present? Y N
De-lamination Present? Y N

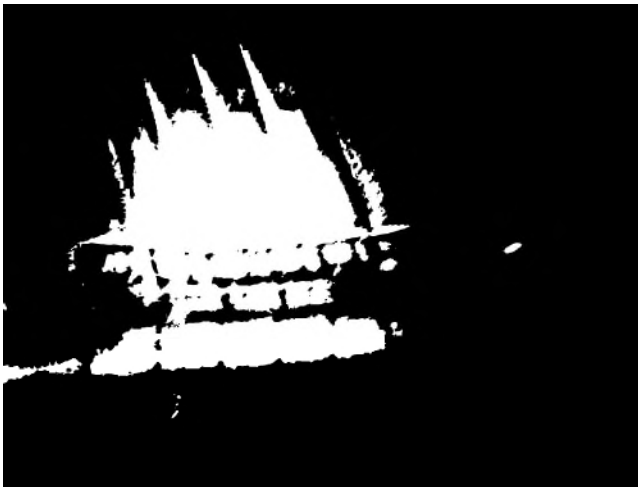
Summary: The interior roof was found in good condition with moisture build-up and 0.1% uniform surface corrosion noted.



Overall roof



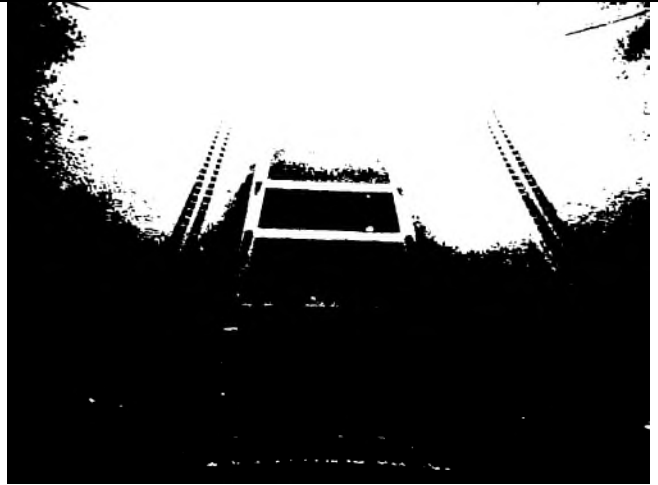
Cathodic protection



Ladder Condition

Ladder Location: 12 o'clock
Coating Condition: Good
Weld/Seam Condition: Good
Supports Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

Summary: The ladder was found secure and in good condition with moderate staining and 0.01% rust noduling noted.



Noduling on ladder

Overflow Condition

Overflow Location: 5 o'clock
Coating Condition: Good
Weld/Seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

Summary: The overflow was found in good condition with moisture build-up and minor staining noted.



Wall Panel Condition

Coating Condition: Good
Welds/seam Condition: Good
Corrosion Present On Panel? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Is Biofilm Present: Y N

Any irregularities or structural deficiencies? Y N

Summary: The interior wall was found in good condition with minor staining and 0.03% rust noduling noted mainly on the bolts.



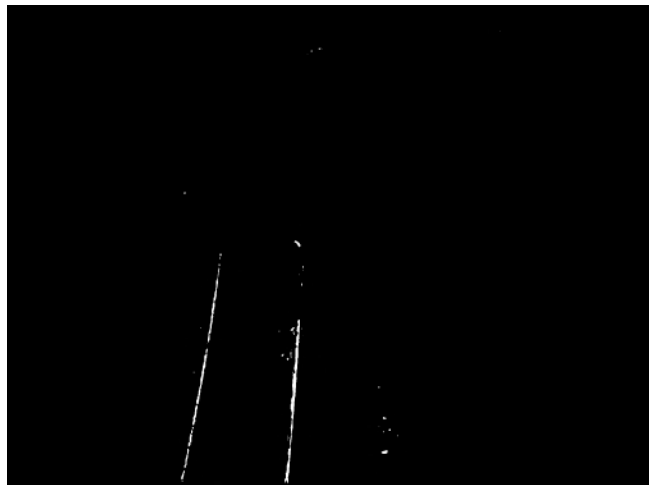
Noduling



Noduling



Noduling



Noduling

Floor Condition

Coating Condition: Good
Welds/seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Sediment Depth: 1/16 inch

Any irregularities or structural deficiencies? Y N

Summary: The floor was found in good condition with minor staining and 0.3% rust noduling noted mainly on the bolts.



Floor overall



Noduling



Noduling



Noduling

Manway Condition

Manway Location(s): 1:30 o'clock & 7:30 o'clock
Coating Condition: Both Good
Weld/Seam Condition: Both Good
Corrosion Present? Y N
Oxidation Present? Y N

De-lamination Present? Y N

Summary: The manways were found in good condition with moderate staining and 0.01% rust noduling noted.



Noduling



Noduling

Inlet and Outlet Condition

Common Inlet/Outlet? Y N Location: N/A

If Separate:

Inlet Location: 3 o'clock

Coating Condition: Good

Weld/Seam Condition: Good

Corrosion Present? Y N

Oxidation Present? Y N

De-lamination Present? Y N

Summary: The inlet was found in good condition with minor staining and 0.03% rust noduling noted.



Common Inlet/Outlet? Y N Location: N/A

If Separate:

Outlet Location: 3:30 o'clock

Coating Condition: Good

Weld/Seam Condition: Good

Corrosion Present? Y N

Oxidation Present? Y N

De-lamination Present? Y N

Summary: The outlet was found in good condition with moderate staining and 1% rust noduling noted.



Noduling

Float Condition

Float Location: 12:15 o'clock

Guidelines Condition: Good

Attached Properly? Y N

Cable Condition: Good

Attached Properly? Y N

Hardware Condition: Good

Corrosion Present? Y N

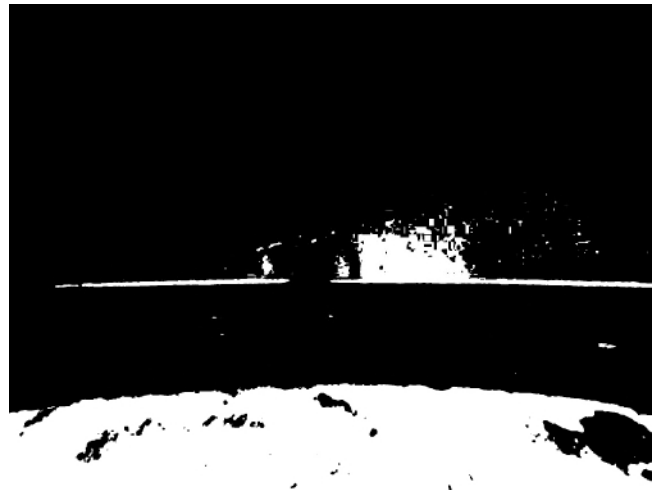
Float Condition: Good

Sealed? Y N

Summary: The float was found in good condition with moderate staining noted.



Guidewire anchor



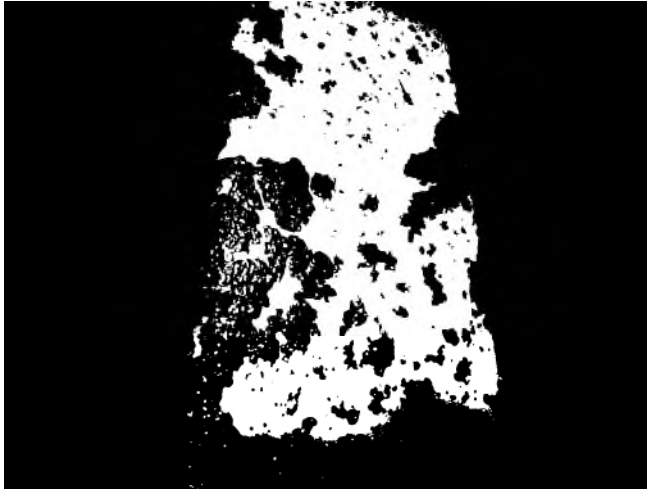
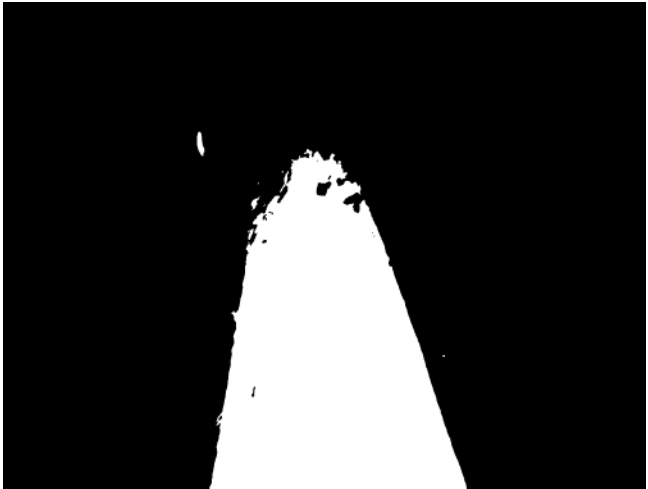
Guidewire anchor

Support Column Condition

Number Of Columns: 1
Coating Condition: Good
Welds/seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N

De-lamination Present? Y N

Summary: The support column was found secure and in good condition with moderate to heavy staining, 0.01% uniform surface corrosion and 0.03% rust noduling noted.



Support column joint

Tank Layout

There is one support column in the tank.

Quadrant #4

Quadrant #1

Access Hatch

Float

Manway

Inlet

Center Vent

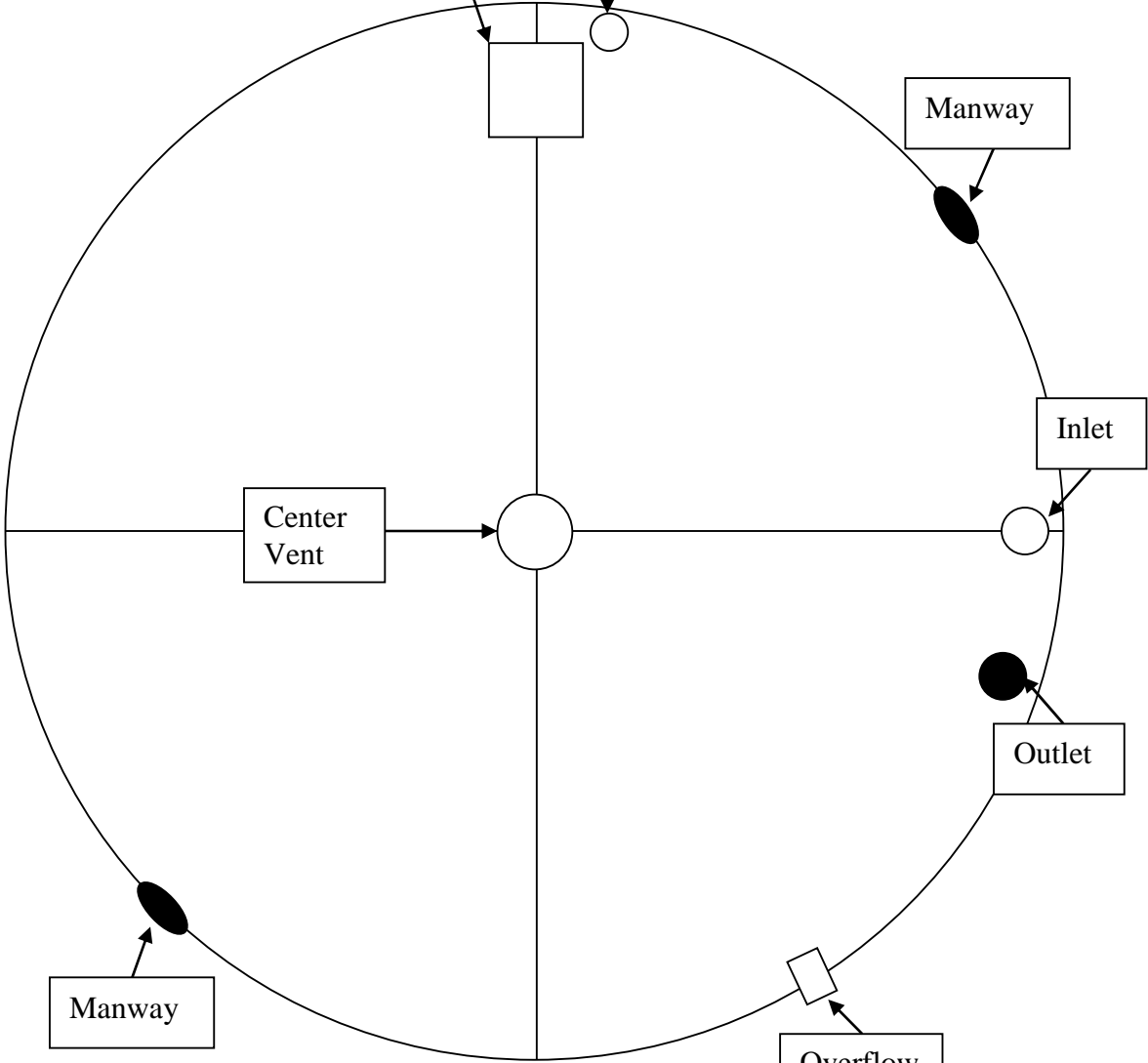
Outlet

Manway

Overflow Pipe

Quadrant #3

Quadrant #2

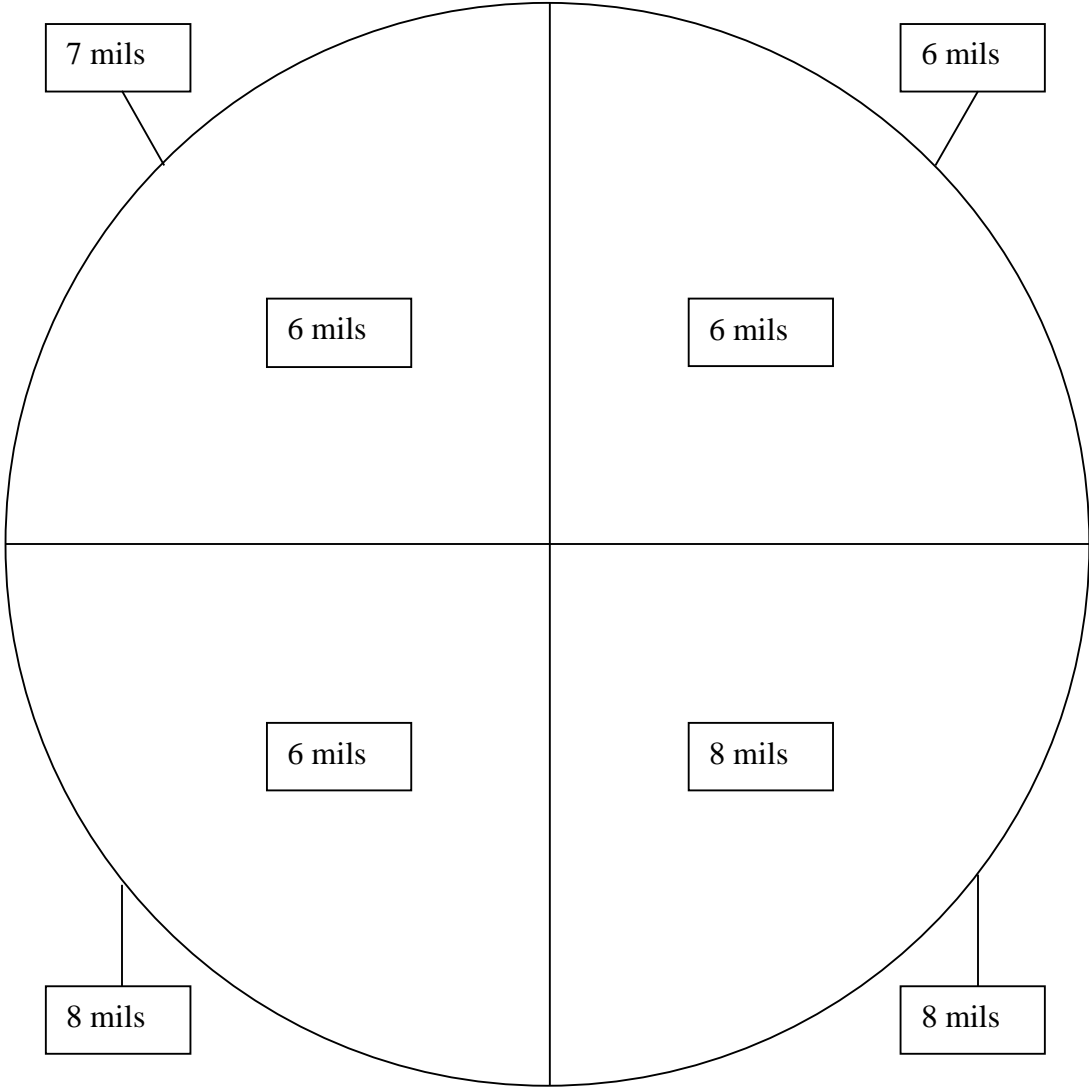


Tank Layout

Roof and Wall Coating Thickness Measurements

Quadrant #4

Quadrant #1



Quadrant #3

Quadrant #2

Tank Layout

Ultrasonic Metal Thickness Testing

Quadrant #4

Quadrant #1

.236

.282

.241

.244

.244

N/A

N/A

.244

.245

N/A

N/A

.245

.237

.247

.242

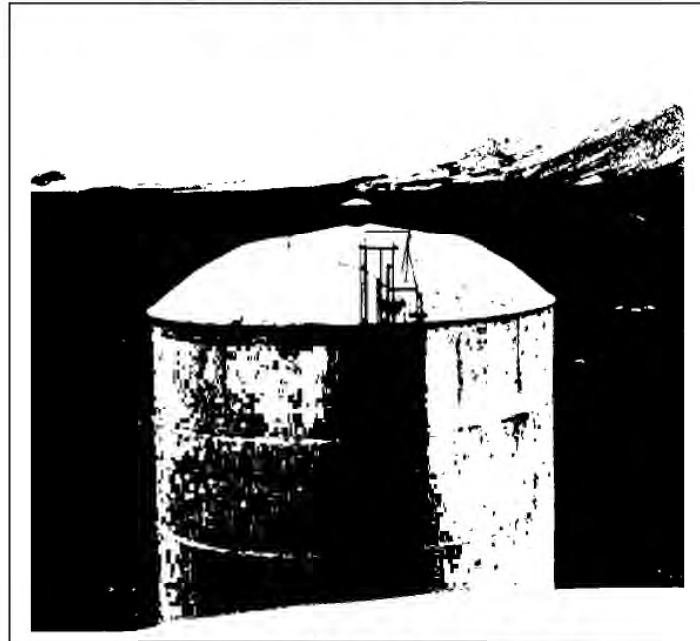
.241

Quadrant #3

Quadrant #2

N/A = Accurate readings of the metal thickness of the interior floor could not be obtained due to the absence of a solid top surface. Ultrasonic testing requires a solid surface on both the interior and exterior metal panel.

**Inspection Report for
Spring Creek Utilities Company
Spring Creek, NV**



**220KG Steel On-Grade
Tank #8 Site 400 Tract**

Date Completed: February 13, 2014

Commercial Dive Team:

**Diver –Jeff Roberts
Dive Controller –Keegan Nace
Tender –Nick Blumenlat**

Scope of Work:

A full visual inspection was performed of the tank interior and all interior fixtures. The team also performed a full visual inspection of the tank exterior and all attached fixtures. Sediment was not removed as cleaning would cause a potential breakthrough of the tank floor. The details of the inspection findings are included in the report below.

Summary of the Inspection:

Exterior Inspection

1. There was good access to the tank. (In a gated area)
2. The ladder was found secure, OSHA approved and in good condition with oxidation & corrosion noted.
3. The roof was found in poor condition with oxidation, de-lamination, 30% corrosion and holes noted.
4. The hatch was found locked with no gasket present and in fair condition with de-lamination, oxidation and corrosion noted.
5. The wall was found in poor condition with dents, de-lamination, oxidation and 2% surface corrosion noted.
6. The overflow and vent were found in fair condition with de-lamination, oxidation and corrosion noted.
7. The base of the tank was found in good condition with some erosion noted.
8. The manway was found secure and in fair condition with 5% surface corrosion noted.

Interior Inspection

1. The inlet was found in poor condition with 100% rust noduling & surface corrosion noted. There was also up to 14 inches of sand present around the perimeter of the pipe.
2. The outlet was found in fair condition with 50% rust noduling & surface corrosion noted.
3. The manway was found in poor condition with pitting and 80% corrosion noted.
4. The overflow was found in poor condition with 100% surface corrosion noted and plugged with debris.
5. The drain was found in fair condition with pitting and 75% rust noduling noted.
6. The interior wall was found in poor condition with scaling, blistering, pinholes, pitting and 75% corrosion noted. There is also metal loss and 100% surface corrosion noted above the waterline.
7. The interior roof was found in poor condition with 100% surface corrosion noted and holes present.
8. The floor was found in poor condition with no coating and heavy pitting, heavy metal loss and 75% surface corrosion noted. There was also sand present, ranging from 5 inches to 14 inches.

Recommendations:

1. Schedule time for a blast and recoat or decommission the tank and replace.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now



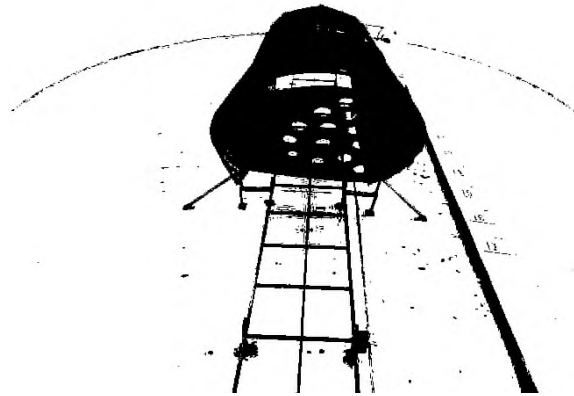
Inland Potable Services, Inc. Exterior Inspection Report



Access Ladder Condition

Ladder Type: Steel
 Coating Condition: Poor
 Corrosion Present? Y N
 Seams/Welds Condition: Fair
 Oxidation Present? Y N
 De-lamination Present? Y N
 Stand Off Supports Condition: Fair
 Safety Climb Type: Cage
 Safety Climb Condition: Fair
 Is Top Of Tank Easily Accessible? Y N
 Is Ladder and Safety Climb OSHA Approved? Y N

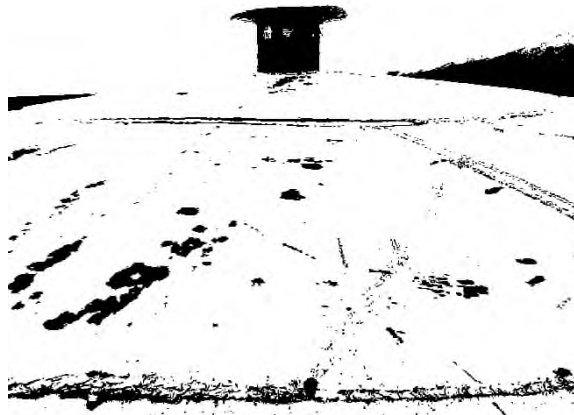
Summary: The ladder was found secure, OSHA approved and in good condition with oxidation & corrosion noted.



Roof Condition

Coating Condition: Poor
 Corrosion Present? Y N
 Percentage: 30%
 Seams/Welds Condition: Poor
 Oxidation Present? Y N
 De-lamination Present? Y N
 Low Spots Present? Y N
 Holes in Roof? Y N
 Cathodic Protection Plates Present? Y N
 Sealed Edges: Y N N/A
 Loose Plates? Y N N/A
 Missing Plates? Y N N/A

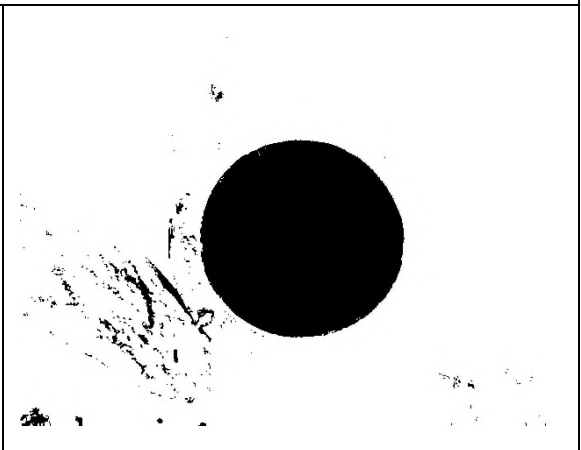
Summary: The roof was found in poor condition with oxidation, de-lamination, 30% corrosion and holes noted.



Access Hatch Condition

Coating Condition: Poor
 Corrosion Present? Y N
 Seams/Welds Condition: Fair
 Oxidation Present? Y N
 De-lamination Present? Y N
 Hatch Size: 19 inch round
 Hatch Locked? Y N
 Hinge Condition: Poor
 Gasket Present? Y N
 Intact? Y N N/A
 Insects, Dirt Or Debris Present Under Hatch? Y N

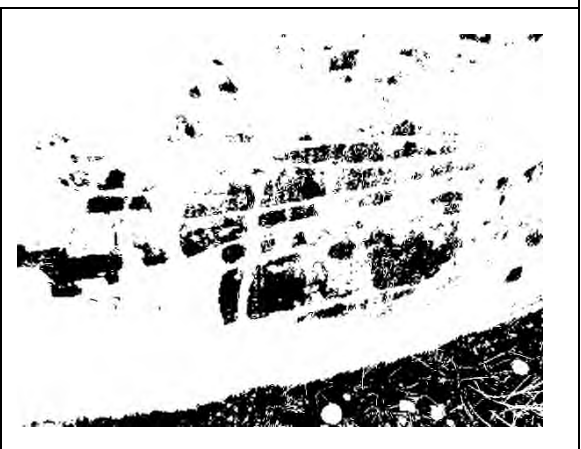
 Summary: The hatch was found locked with no gasket present and in fair condition with de-lamination, oxidation and corrosion noted.



Wall Panel Condition

Coating Condition: Poor
 Corrosion Present? Y N
 Percentage: 2%
 Seams/Welds Condition: Fair
 Oxidation Present? Y N
 De-lamination Present? Y N
 Dents Present? Y N
 Holes Present? Y N

 Summary: The wall was found in poor condition with dents, de-lamination, oxidation and 2% surface corrosion noted.



Overflow Structure Condition

Coating Condition: Poor
 Corrosion Present? Y N
 Percentage: 1%
 Seams/Welds Condition: Fair
 Oxidation Present? Y N
 De-lamination Present? Y N
 Stand Off Supports Condition: Poor
 End Cap Present? Y N
 Hinge And Cap Condition: N/A
 Screen Present? Y N
 Condition: N/A

 Summary: The overflow was found in fair condition with de-lamination, oxidation and 1% corrosion noted.



Vent Condition

Coating Condition: Poor
Corrosion Present: Y N
Percentage: 10%
Seams/Welds Condition: Fair
Oxidation Present? Y N
De-lamination Present? Y N

Screen in Place? Y N
Condition: Good
All Openings Sealed? Y N
Cap Condition: Fair

Summary: The vent was found in fair condition with de-lamination, oxidation and 10% surface corrosion noted and a screen in place.



Foundation Condition

Foundation Exposed? Y N
Anchor Bolts Present? Y N
Corrosion on Anchor Bolts Present? Y N N/A
Anchor Bolts Loose? Y N N/A

Cracking Noted In Foundation? Y N N/A
Spalling Noted? Y N N/A

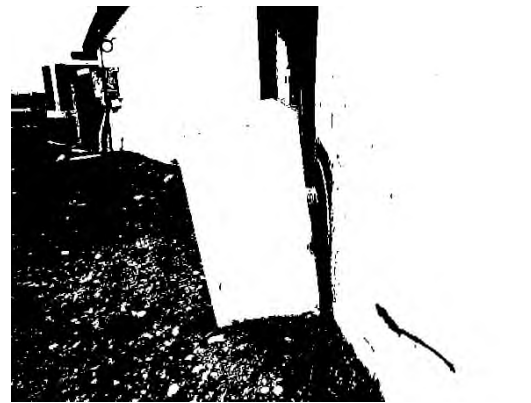
Summary: The base of the tank was found in good condition with some erosion noted.



Manway Condition

Coating Condition: Poor
Weld/Seam Condition: Fair
Corrosion Present? Y N
Percentage: 5%
Pitting Noted In Metal? Y N
Depth: N/A

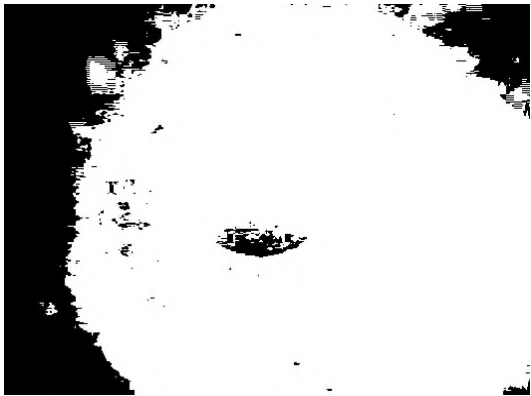
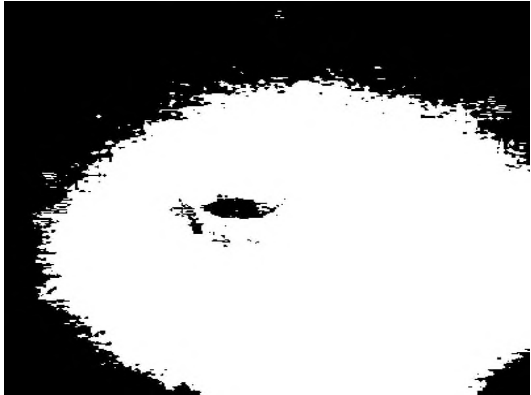

Summary: The manway was found secure and in fair condition with 5% surface corrosion noted.





Inland Potable Services, Inc. Interior Inspection Report



| Inlet and Outlet Condition | |
|--|--|
| <p>Common Inlet/Outlet? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Location: N/A If No: Inlet Location: 10:30 o'clock Coating Condition: Poor Weld/Seam Condition: Fair Corrosion Present? Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Percentage: 100% Pitting Noted In Metal? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Depth: N/A</p> <p>Summary: The inlet was found in poor condition with 100% rust noduling & surface corrosion noted. There was also up to 14 inches of sand present around the perimeter of the pipe.</p> |  |
| <p>Common Inlet/Outlet? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Location: N/A If No: Outlet Location: 2:30 o'clock Coating Condition: Poor Weld/Seam Condition: Fair Corrosion Present? Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Percentage: 50% Pitting Noted In Metal? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Depth: N/A</p> <p>Summary: The outlet was found in fair condition with 50% rust noduling & surface corrosion noted.</p> |  |
| Manway Condition | |
| <p>Manway Location: 7:30 o'clock Coating Condition: Poor Weld/Seam Condition: Poor Corrosion Present? Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Percentage: 80% Pitting Noted In Metal? Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Depth: 1/8 inch</p> <p>Summary: The manway was found in poor condition with pitting and 80% corrosion noted.</p> |  |

Overflow Condition

Overflow Location: 4:30 o'clock
Coating Condition: Poor
Weld/Seam Condition: Fair
Corrosion Present? Y N
Percentage: 100%
Pitting Noted In Metal? Y N
Depth: N/A

Summary: The overflow was found in poor condition with 100% surface corrosion noted and plugged with debris.



Drain Condition

Drain Location: 4:30 o'clock
Coating Condition: Poor
Weld/Seam Condition: Poor
Corrosion Present? Y N
Percentage: 75%
Pitting Noted In Metal? Y N
Depth: 1/8 inch

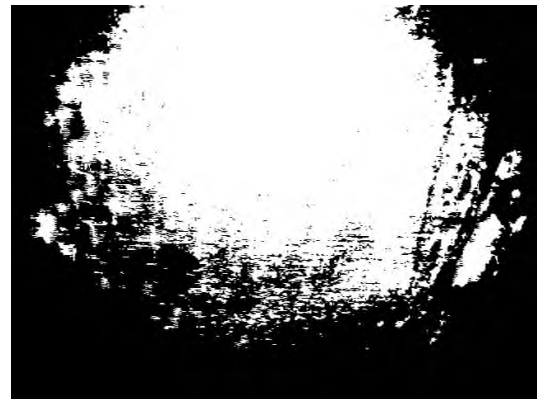
Summary: The drain was found in fair condition with pitting and 75% rust noduling noted.



Wall Panel Condition

Coating Condition: Poor
Welds/seam Condition: Poor
Corrosion Present On Panel? Y N
Percentage: 100%
Pitting Noted In Metal? Y N
Depth: 1/8 inch

Summary: The interior wall was found in poor condition with scaling, blistering, pinholes, pitting and 75% corrosion noted. There is also metal loss and 100% surface corrosion noted above the waterline.



Roof Condition

Coating Condition: Poor
Welds/seam Condition: Poor
Corrosion Present On Panels? Y N
Percentage: 100%
Metal De-alloying Noted? Y N
Percentage: N/A

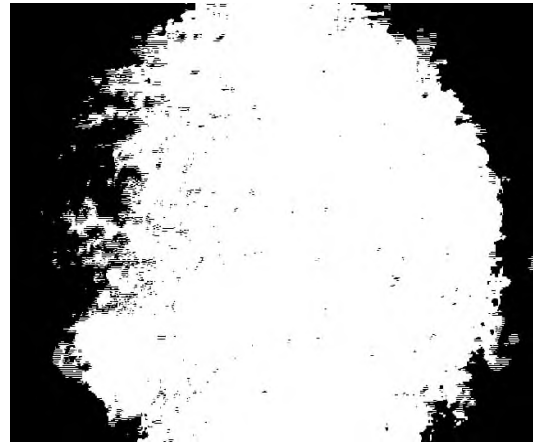
Summary: The interior roof was found in poor condition with 100% surface corrosion noted and holes present.

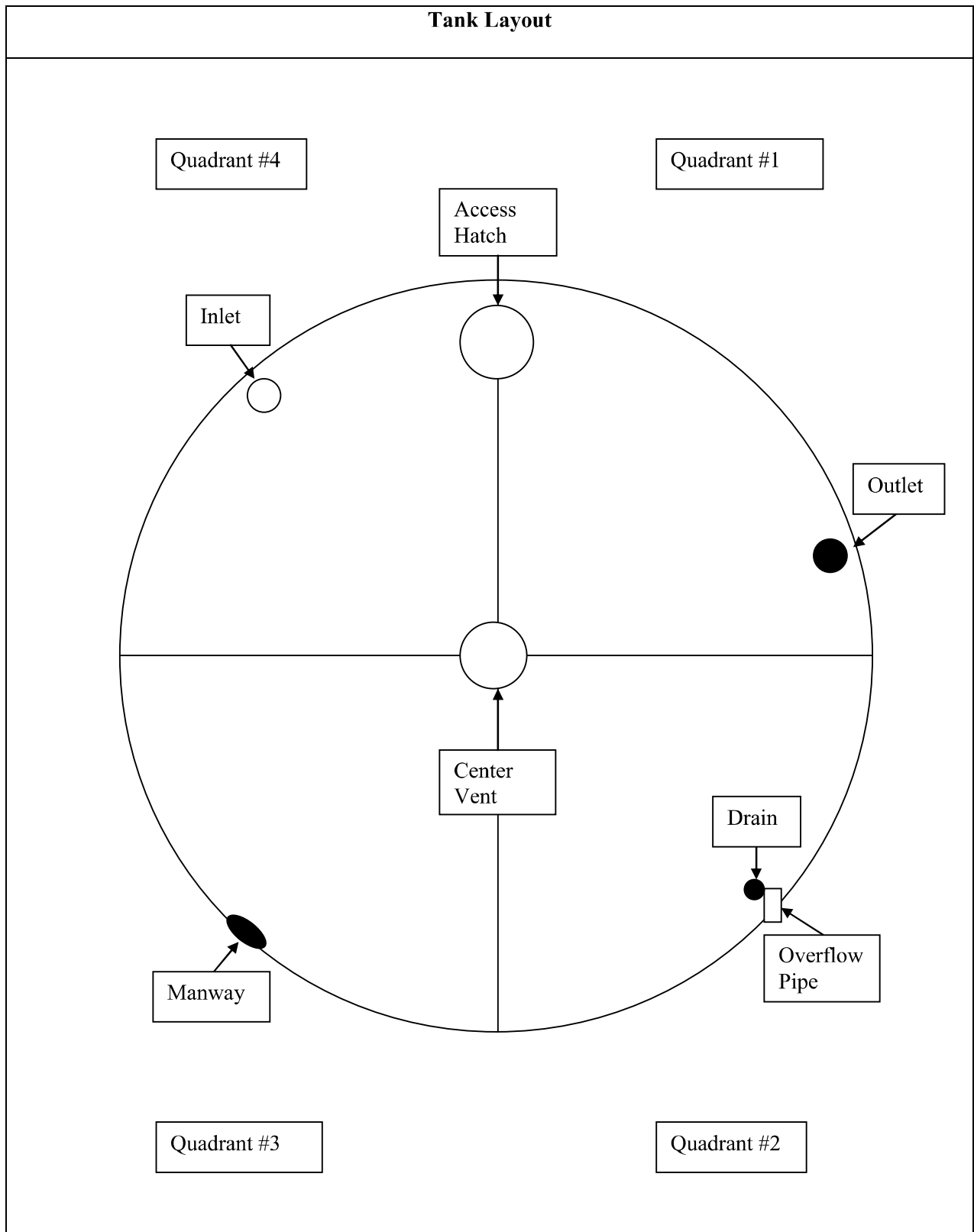


Floor Condition

Coating Condition: Poor
Welds/seam Condition: Poor
Corrosion Present? Y N
Percentage: 75%
Pitting Noted In Metal? Y N
Depth: 1/8 inch

Summary: The floor was found in poor condition with no coating and heavy pitting, heavy metal loss and 75% surface corrosion noted. There was also sand present, ranging from 5 inches to 14 inches.

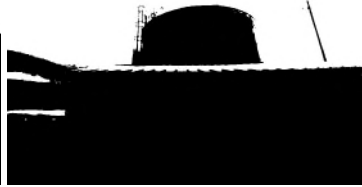




**Inspection Report for
Great Basin Water Company
Reno, NV**



East Side



West Side



North Side



South Side

**Spring Creek
220KG Steel On-Grade
Site 400 Tank #8**

Date Completed: May 17, 2019

Commercial Dive Team:

**Diver – James Strickland
Dive Controller – Nico LeBlanc
Tender – Cory Repasi**

Scope of Work:

Our team completed sediment removal using underwater vacuum equipment. Sediment depths, ranging from 7 to 15 inches, were removed from the tank floor. When the cleaning process was finished, a full visual inspection was performed of the tank interior and all interior fixtures. The team also performed a full visual inspection of the tank exterior and all attached fixtures. The details of the inspection findings are included in the report below.

Summary of the Inspection:

Exterior Inspection

1. There was good access to the tank. (In a gated area)
2. The base of the tank was found in good condition.
3. The manway was found secure and in good condition with minor staining and chalking noted and greater than 50% uniform surface corrosion present on the bolts only.
4. The overflow was found in good condition with minor sags & runs in the coating and chalking noted and is directly connected to the storm drain.
5. The water level indicator was readable but the marker and cable are detached.
6. The wall was found in good condition with minor chalking, de-lamination and minor to moderate sags & runs in the coating noted.
7. The ladder was found secure, OSHA approved and in good condition with 16% uniform surface corrosion noted.
8. The hatch was found locked with a gasket in place and in good condition with minor staining and 0.01% uniform surface corrosion noted.
9. The roof was found in good to fair condition with moderate de-lamination and 3% uniform surface corrosion noted.
10. The vent was found in good to fair condition with minor to moderate de-lamination noted.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now

Summary of the Inspection:

Interior Inspection

1. The interior roof was found in fair to poor condition with greater than 50% uniform surface corrosion noted.
2. The overflow was found in fair condition with greater than 50% uniform surface corrosion noted.
3. The floor was found in poor condition with greater than 50% uniform surface corrosion and rust noduling noted.
4. The interior wall was found in poor condition with greater than 50% uniform surface corrosion and rust noduling noted.
5. The manway was found in fair to poor condition with greater than 50% uniform surface corrosion and rust noduling noted.
6. The inlet was found in fair to poor condition with greater than 50% uniform surface corrosion and rust noduling noted.
7. The outlet was found in fair to poor condition with greater than 50% uniform surface corrosion and rust noduling noted.
8. One of the guidelines was attached to the anchor but there was no cable or float present.

Recommendations:

1. Install a new float and then attach to the water level marker.
2. Schedule a blast and recoat of the interior as soon as budgets will allow. If, within 3 years, the recoating has not been completed, schedule a follow-up clean and inspect as recommended by the AWWA.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now



Inland Potable Services, Inc.

Exterior Inspection Report



Foundation Condition

Foundation Exposed? Y N
 Anchor Bolts Present? Y N
 Corrosion on Anchor Bolts Present? Y N N/A
 Anchor Bolts Loose? Y N N/A

Cracking Noted In Foundation? Y N N/A
 Spalling Noted? Y N N/A

Summary: The base of the tank was found in good condition.



Manway Condition

Coating Condition: Good
 Weld/Seam Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The manway was found secure and in good condition with minor staining and chalking noted and greater than 50% uniform surface corrosion present on the bolts only.



Overflow Structure Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Stand Off Supports Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Directly Connected To Sewer or Drain? Y N N/A
 End Cap Present? Y N
 Hinge and Cap Condition: N/A
 #24 mesh Screen Present? Y N
 Condition: N/A

Summary: The overflow was found in good condition with minor sags & runs in the coating and chalking noted and is directly connected to the storm drain.



Water Level Indicator Condition

Marker Condition: Good
 Attached & Accurate? Y N
 Marker Board Condition: Good/Fair
 Is the level reading visible? Y N
 Pulley Condition: Good
 Attached Properly? Y N
 Cable Condition: Fair
 Attached Properly? Y N

Hardware Condition: Good
 Corrosion Present? Y N

Summary: The water level indicator was readable but the marker and cable are detached.



Wall Panel Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Dents Present? Y N

Holes Present? Y N
 Signs Of Leaking? Y N

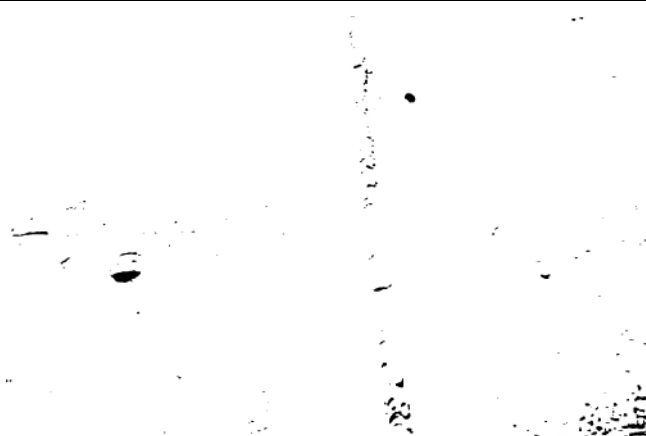
Summary: The wall was found in good condition with minor chalking, de-lamination and minor to moderate sags & runs in the coating noted.



De-lamination



De-lamination



De-lamination



De-lamination



De-lamination

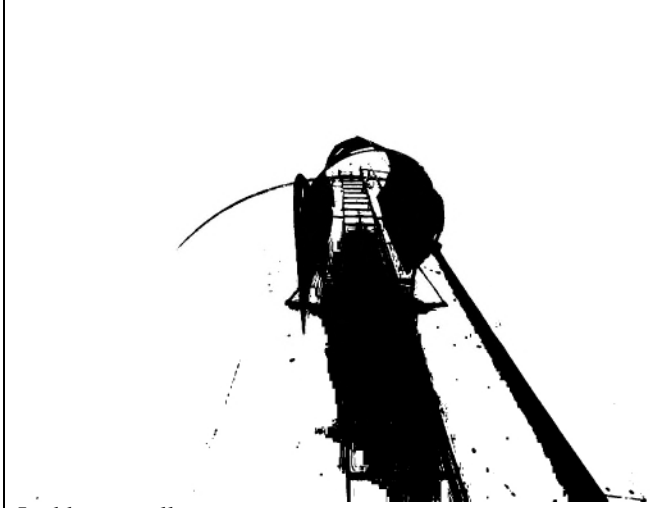


De-lamination

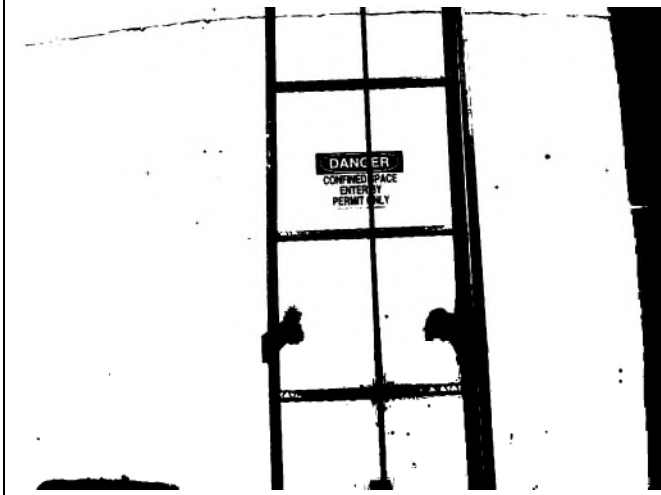
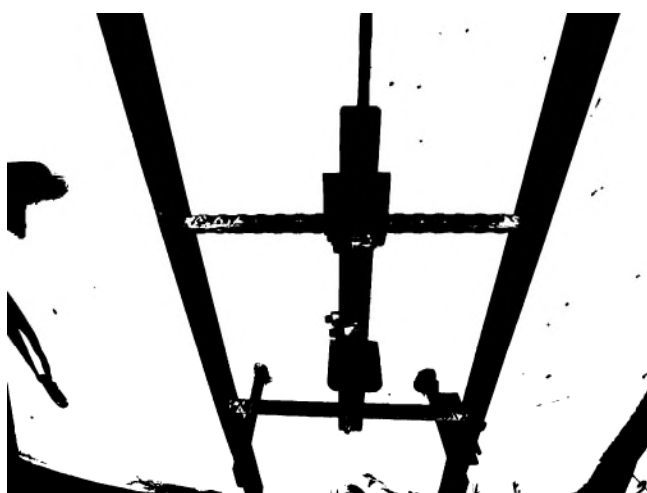
Access Ladder Condition

Ladder Type: Steel welded
 Is Ladder and Safety Climb **OSHA** Approved? Y N
 Is Vandal Guard Present? Y N
 Locked? Y N N/A
 Safety Climb Type: Cage and cable grab
 Safety Climb Condition: Good
 Is Top Of Tank Easily Accessible? Y N
 Coating Condition: Good/Fair
 Seams/Welds Condition: Good
 Stand Off Supports Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The ladder was found secure, OSHA approved and in good condition with 16% uniform surface corrosion noted.



Ladder overall



Access Hatch Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present: Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Hatch Size: 19 inch round
 Riser Height: 4 inches Lid Height: 2 inches
 Hatch Locked? Y N
 Hinge Condition: N/A
 Gasket Present? Y N
 Intact? Y N N/A
 Insects, Dirt Or Debris Present Under Hatch? Y N

Summary: The hatch was found locked with a gasket in place and in good condition with minor staining and 0.01% uniform surface corrosion noted.



Roof Condition

Roof Type: Domed
 Coating Condition: Good/Fair
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Low Spots Present? Y N
 Holes in Roof? Y N
 Cathodic Protection Plates Present? Y N
 Sealed Edges: Y N N/A
 Loose Plates? Y N N/A
 Missing Plates? Y N N/A

Summary: The roof was found in good to fair condition with moderate de-lamination and 3% uniform surface corrosion noted.



De-lamination



De-lamination



De-lamination

Vent Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present: Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 #24 Mesh Screen in Place? Y N
 Condition: Good
 All Openings Sealed? Y N
 Cap Condition: Good/Fair

Summary: The vent was found in good to fair condition with minor to moderate de-lamination noted.





Inland Potable Services, Inc.

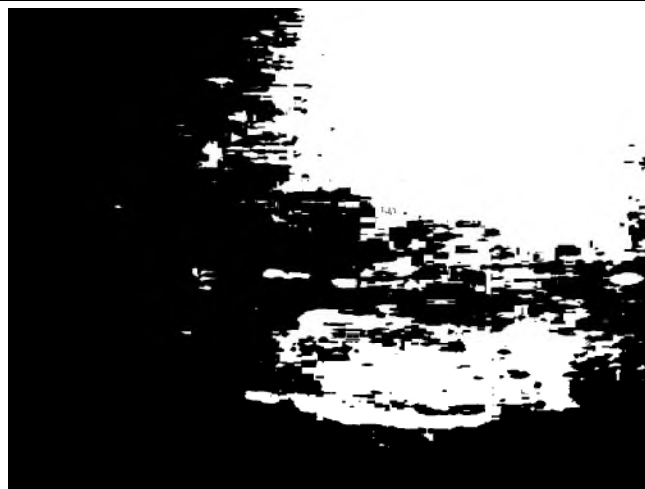
Interior Inspection Report



Roof Condition

Coating Condition: Poor
 Welds/seam Condition: Fair
 Corrosion Present On Panels? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The interior roof was found in fair to poor condition with greater than 50% uniform surface corrosion noted.



Overflow Condition

Overflow Location: 5 o'clock
 Coating Condition: Poor
 Weld/Seam Condition: Fair
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The overflow was found in fair condition with greater than 50% uniform surface corrosion noted.



Top edge of overflow

Floor Condition

Coating Condition: Poor
 Welds/seam Condition: Poor
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Sediment Depth: 7-15 inches
 Any irregularities or structural deficiencies? Y N

Summary: The floor was found in poor condition with greater than 50% uniform surface corrosion and rust noduling noted.



Wall Panel Condition

Coating Condition: Poor
Welds/seam Condition: Fair
Corrosion Present On Panel? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Is Biofilm Present: Y N
Any irregularities or structural deficiencies? Y N

Summary: The interior wall was found in poor condition with greater than 50% uniform surface corrosion and rust noduling noted.



Noduling



Noduling



Manway Condition

Manway Location(s): 5 o'clock
Coating Condition: Poor
Weld/Seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

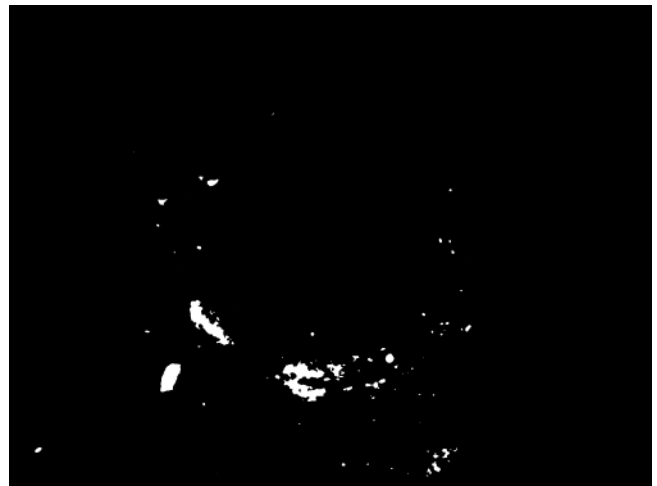
Summary: The manway was found in fair to poor condition with greater than 50% uniform surface corrosion and rust noduling noted.



Inlet and Outlet Condition

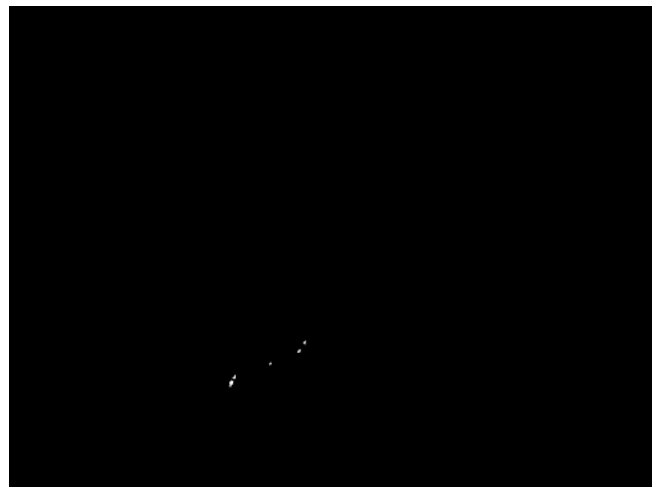
Common Inlet/Outlet? Y N Location: N/A
If Separate:
Inlet Location: 8 o'clock
Coating Condition: Poor
Weld/Seam Condition: Fair/Poor
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

Summary: The inlet was found in fair to poor condition with greater than 50% uniform surface corrosion and rust noduling noted.



Common Inlet/Outlet? Y N Location: N/A
If Separate:
Outlet Location: 2 o'clock
Coating Condition: Poor
Weld/Seam Condition: Fair/Poor
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

Summary: The outlet was found in fair to poor condition with greater than 50% uniform surface corrosion and rust noduling noted.



Float Condition

Float Location: 11:50 o'clock

Guidelines Condition: Good

Attached Properly? Y N

Cable Condition: Poor

Attached Properly? Y N

Hardware Condition: Poor

Corrosion Present? Y N

Float Condition: Poor

Sealed? Y N

Summary: One of the guidelines was attached to the anchor but there was no cable or float present.



Guidewire

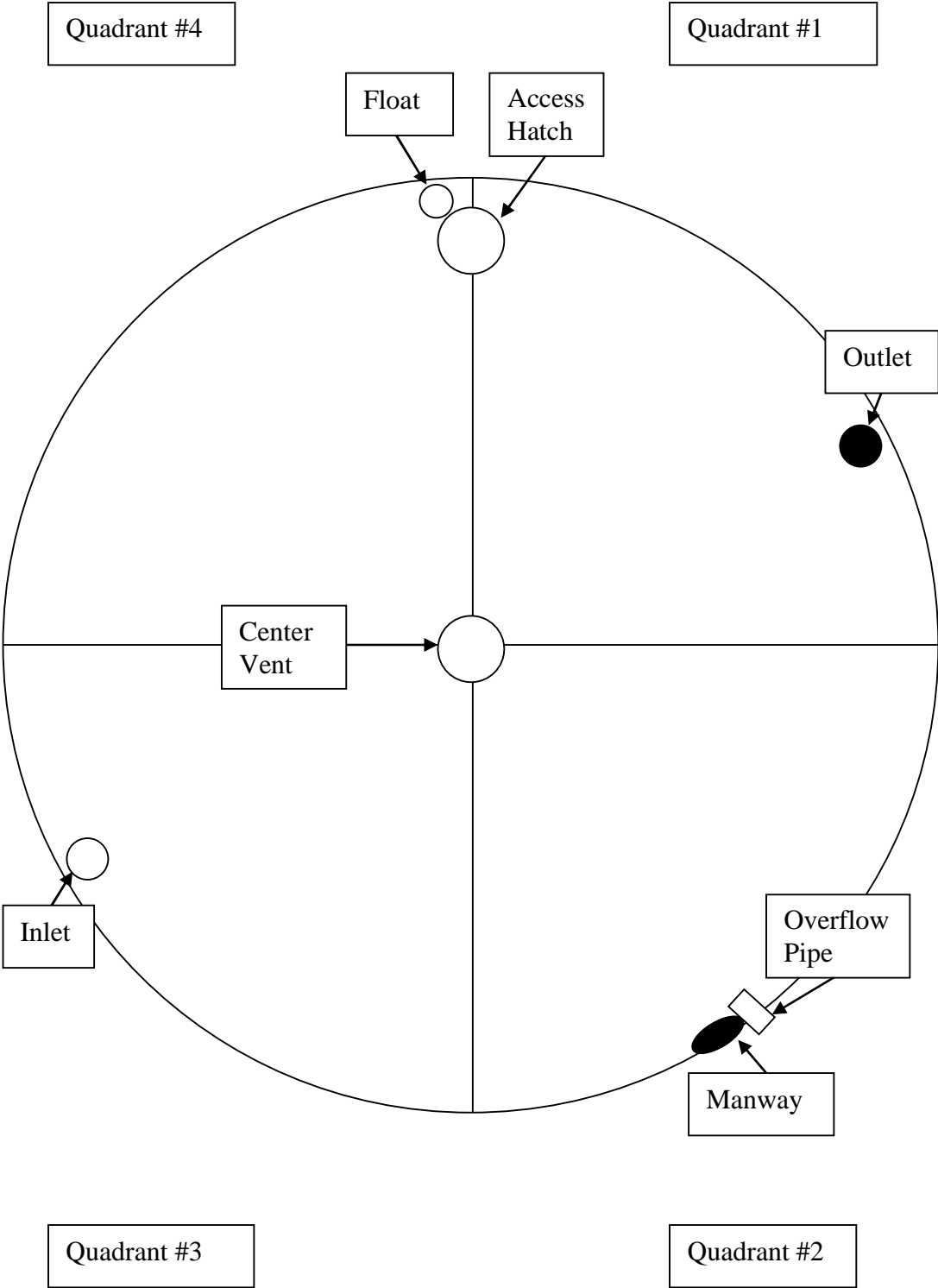


Guidewire anchor



Guidewire anchor

Tank Layout

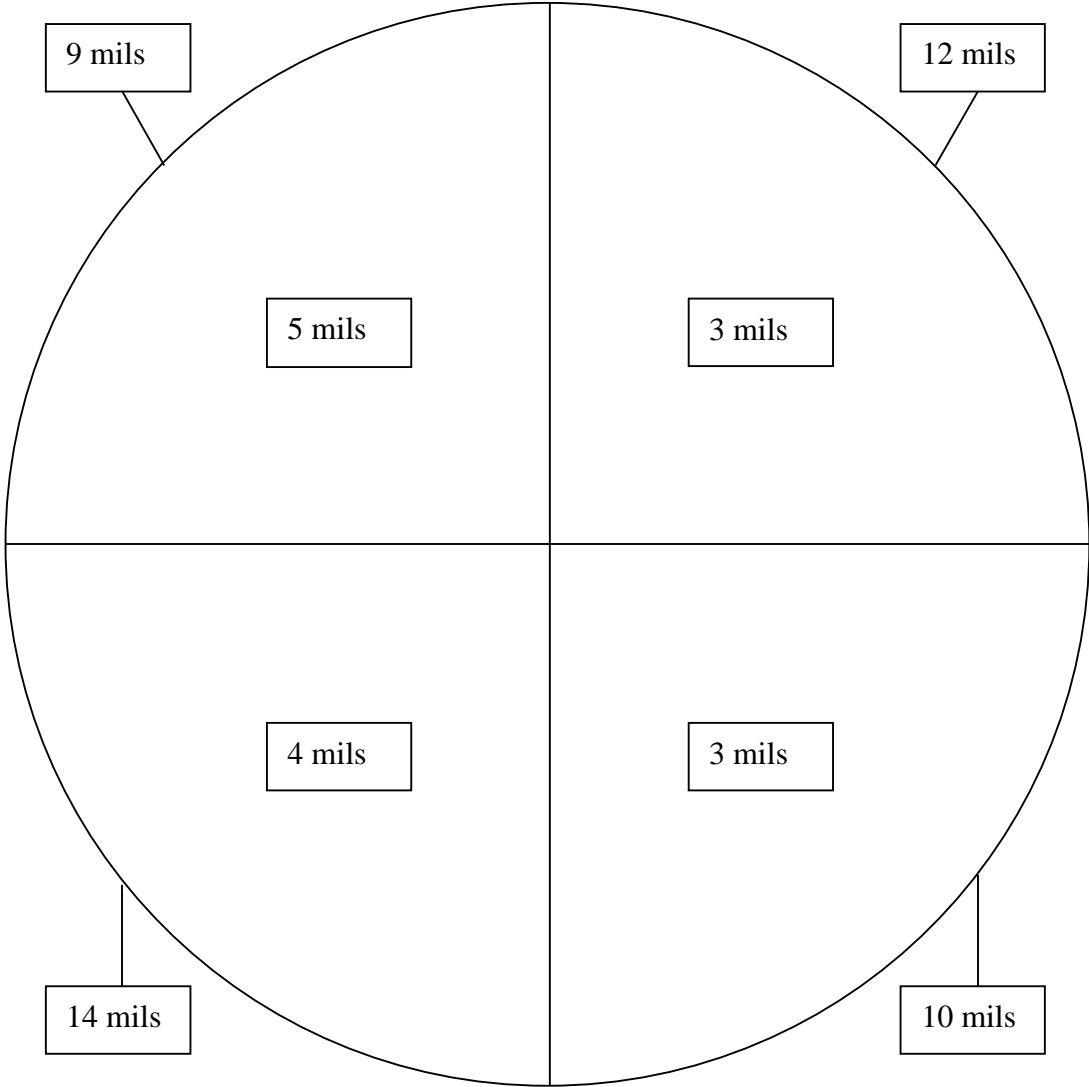


Tank Layout

Floor and Wall Ultrasonic Measurements

Quadrant #4

Quadrant #1



Quadrant #3

Quadrant #2

Tank Layout

Ultrasonic Metal Thickness Testing

Quadrant #4

Quadrant #1

.248

.244

.242

.242

.244

N/A

N/A

.238

.248

N/A

N/A

.250

.256

.248

.252

.256

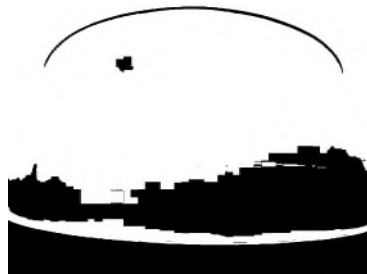
Quadrant #3

Quadrant #2

N/A = Accurate readings of the metal thickness of the interior floor could not be obtained due to the absence of a solid top surface. Ultrasonic testing requires a solid surface on both the interior and exterior metal panel.



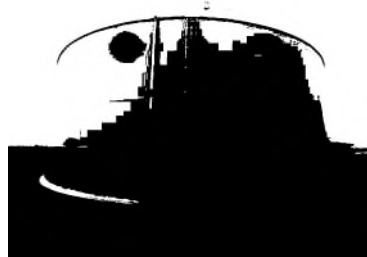
**Inspection Report for
Great Basin Water Company
Reno, NV**



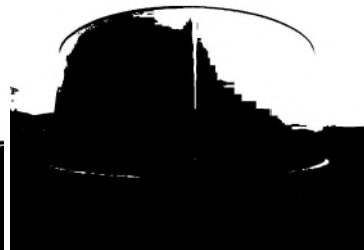
East Side



West Side



North Side



South Side

**Spring Creek
1.3MG Steel On-Grade
Site 400 Tank #8**

Date Completed: May 16, 2019

Commercial Dive Team:

**Diver – Nico LeBlanc
Dive Controller – Cory Repasi
Tender – James Strickland**

Scope of Work:

Our team completed sediment removal using underwater vacuum equipment. Sediment depth, averaging 1/8 inch (iron & sand), was removed from the tank floor. When the cleaning process was finished, a full visual inspection was performed of the tank interior and all interior fixtures. The team also performed a full visual inspection of the tank exterior and all attached fixtures. The details of the inspection findings are included in the report below.

Summary of the Inspection:

Exterior Inspection

1. There was good access to the tank. (In a gated area)
2. The foundation was found in good condition with minor hairline & settling cracks and spalling noted.
3. The wall was found in excellent to good condition with minor chalking noted.
4. The overflow was found in excellent to good condition with minor staining and 0.01% uniform surface corrosion noted.
5. The manways were found in good condition with minor chalking and 0.01% uniform surface corrosion noted.
6. The water level indicator was found in excellent to good condition.
7. The ladder was found secure, OSHA approved and in excellent to good condition with minor chalking and 0.01% uniform surface corrosion noted.
8. The roof was found in good condition with minor de-lamination, chalking and 0.01% uniform surface corrosion noted.
9. The hatch was found locked with a gasket in place and in good condition with minor de-lamination and 0.03% concentrated cell corrosion noted.
10. The vent was found in good condition with minor chalking and 0.03% uniform surface corrosion noted.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now

Summary of the Inspection:

Interior Inspection

1. The interior roof was found in good condition with minor oxidation, corrosive staining, 0.1% uniform surface corrosion and 0.3% concentrated cell corrosion noted.
2. The overflow was found in excellent to good condition with minor sags & runs in the coating noted.
3. The ladder was found secure and in good condition with minor sags & runs in the coating, pinholes, 0.03% concentrated cell corrosion and 0.1% uniform surface corrosion noted.
4. The interior wall was found in good condition with minor sags & runs in the coating and 0.01% uniform surface corrosion noted.
5. The floor was found in good condition with minor to moderate pinholes, 0.03% rust noduling and uniform surface corrosion noted. The corrosion is localized to minimal areas.
6. The manways were found secure and in excellent condition.
7. The common inlet/outlet was found in good condition with minor sediment staining, pinholes, 0.01% rust noduling and 0.03% uniform surface corrosion noted.
8. The drain was found in excellent to good condition with minor sediment staining noted.
9. The float was found in excellent condition.
10. The support column was found secure and in good condition with minor oxidation, sags & runs in the coating and 0.1% uniform surface corrosion noted.

Recommendations:

1. Schedule time for epoxy repairs to the corrosion areas on the floor.
(Approximately 1 day)
2. Continue to schedule a clean and inspect every 3-5 years per AWWA recommendations.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now



Inland Potable Services, Inc.

Exterior Inspection Report

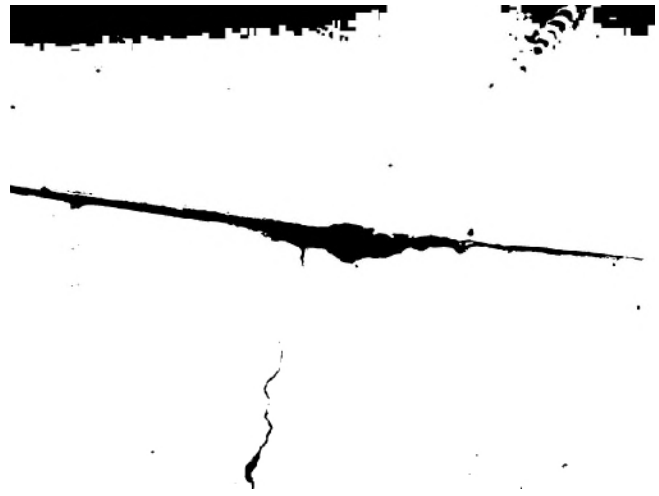


Foundation Condition

Foundation Exposed? Y N
Anchor Bolts Present? Y N
Corrosion on Anchor Bolts Present? Y N N/A
Anchor Bolts Loose? Y N N/A

Cracking Noted In Foundation? Y N N/A
Spalling Noted? Y N N/A

Summary: The foundation was found in good condition with minor hairline & settling cracks and spalling noted.



Wall Panel Condition

Coating Condition: Excellent/Good
 Seams/Welds Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Dents Present? Y N

Holes Present? Y N
 Signs Of Leaking? Y N

Summary: The wall was found in excellent to good condition with minor chalking noted.

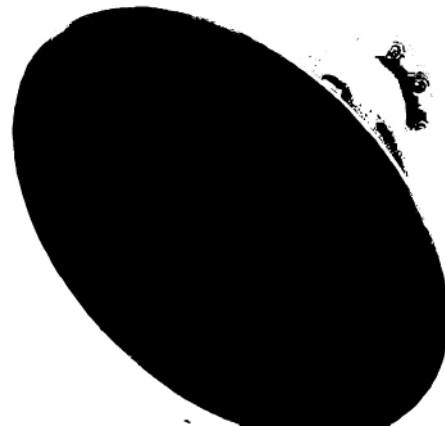


Overflow Condition

Coating Condition: Good
 Seams/Welds Condition: Excellent
 Stand Off Supports Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Directly Connected To Sewer or Drain? Y N N/A

End Cap Present? Y N
 Hinge and Cap Condition: N/A
 #24 mesh Screen Present? Y N
 Condition: Excellent

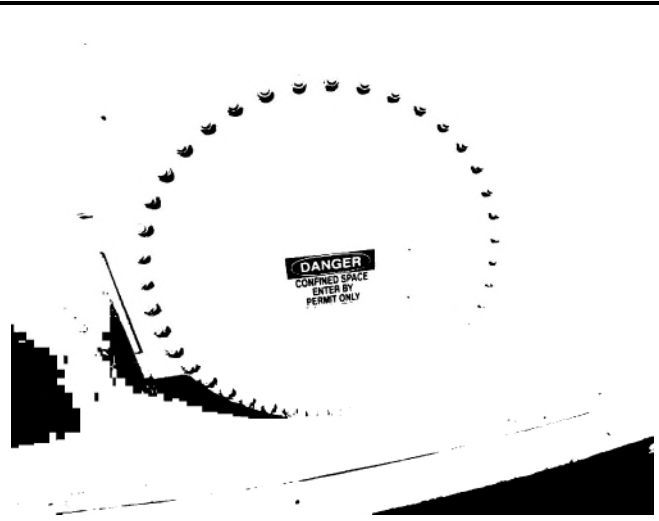
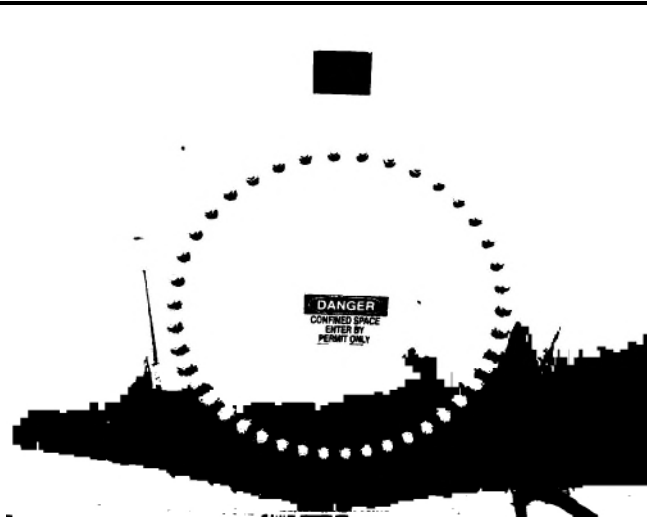
Summary: The overflow was found in excellent to good condition with minor staining and 0.01% uniform surface corrosion noted.



Manway Condition

Coating Condition: Both Good
 Weld/Seam Condition: Both Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

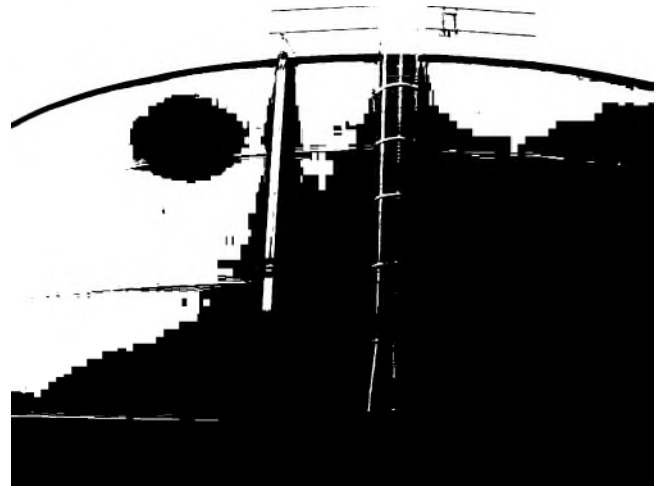
Summary: The manways were found in good condition with minor chalking and 0.01% uniform surface corrosion noted.



Water Level Indicator Condition

Marker Condition: Excellent
 Attached & Accurate? Y N
 Marker Board Condition: Good
 Is the level reading visible? Y N
 Pulley Condition: Excellent
 Attached Properly? Y N
 Cable Condition: Excellent
 Attached Properly? Y N
 Hardware Condition: Excellent
 Corrosion Present? Y N

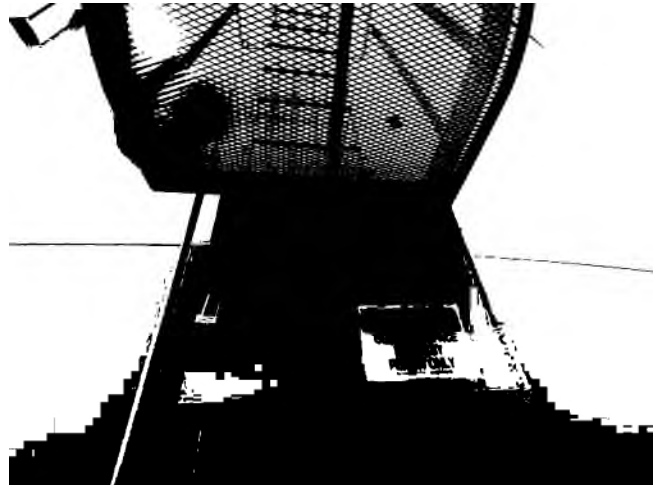
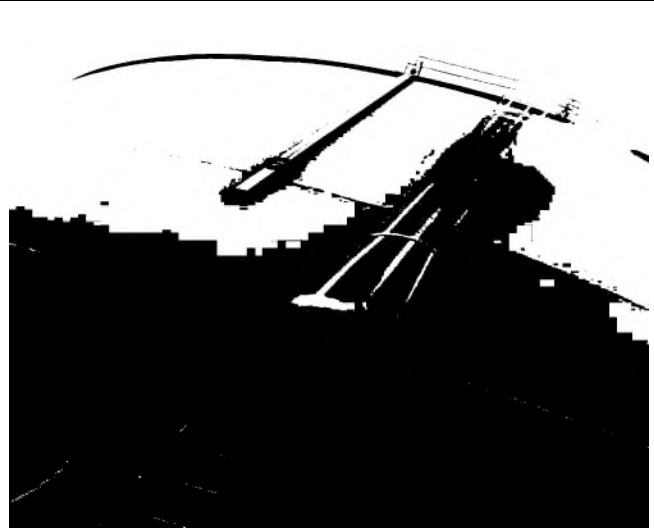
Summary: The water level indicator was found in excellent to good condition.



Access Ladder Condition

Ladder Type: Steel welded
Is Ladder and Safety Climb **OSHA** Approved? Y N
Is Vandal Guard Present? Y N
Locked? Y N N/A
Safety Climb Type: Cage
Safety Climb Condition: Good
Is Top Of Tank Easily Accessible? Y N
Coating Condition: Good
Seams/Welds Condition: Excellent
Stand Off Supports Condition: Excellent
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

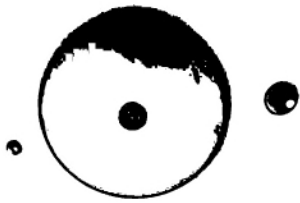
Summary: The ladder was found secure, OSHA approved and in excellent to good condition with minor chalking and 0.01% uniform surface corrosion noted.



Roof Condition

Roof Type: Pitched
 Coating Condition: Good
 Seams/Welds Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Low Spots Present? Y N
 Holes in Roof? Y N
 Cathodic Protection Plates Present? Y N
 Sealed Edges: Y N N/A
 Loose Plates? Y N N/A
 Missing Plates? Y N N/A

Summary: The roof was found in good condition with minor de-lamination, chalking and 0.01% uniform surface corrosion noted.



Cathodic plate



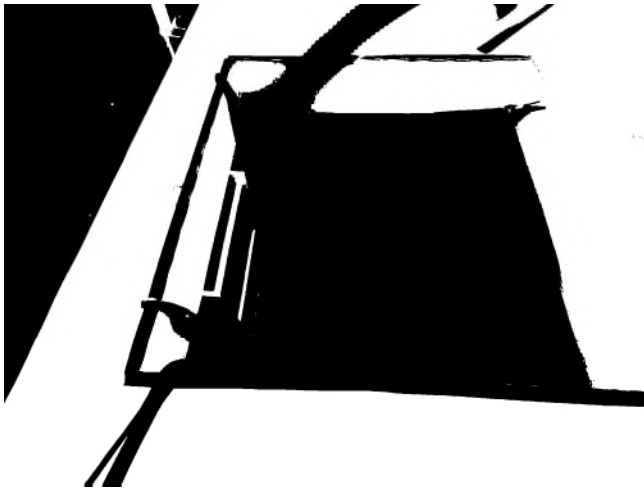
De-lamination

Access Hatch Condition

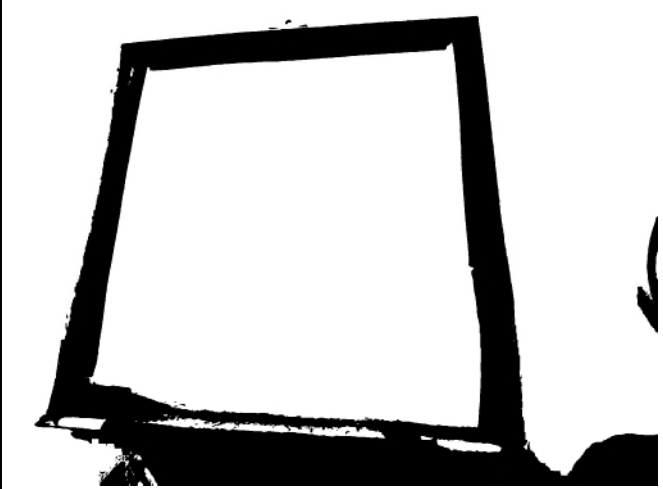
Coating Condition: Good
 Seams/Welds Condition: Excellent
 Corrosion Present: Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Hatch Size: 3 foot square
 Riser Height: 4 inches Lid Height: 2 inches
 Hatch Locked? Y N

Hinge Condition: Excellent
 Gasket Present? Y N
 Intact? Y N N/A
 Insects, Dirt Or Debris Present Under Hatch? Y N

Summary: The hatch was found locked with a gasket in place and in good condition with minor de-lamination and 0.03% concentrated cell corrosion noted.



Hatch open



Underside of hatch lid



Corrosion on edge of lid



Corrosion on edge of lid

Vent Condition

Coating Condition: Good

Seams/Welds Condition: Excellent

Corrosion Present: Y N

Oxidation Present? Y N

De-lamination Present? Y N

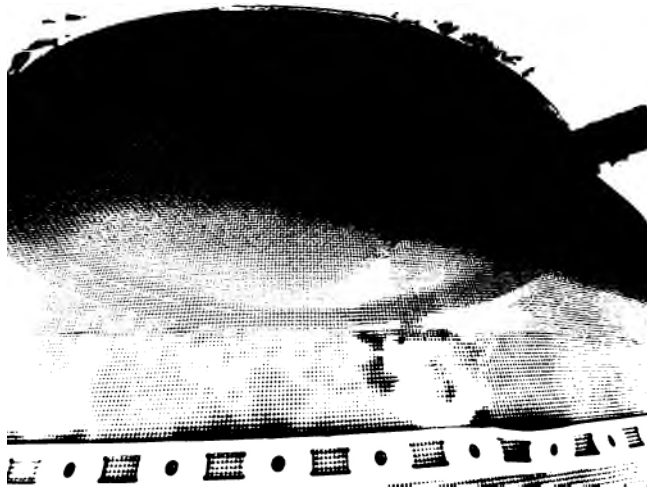
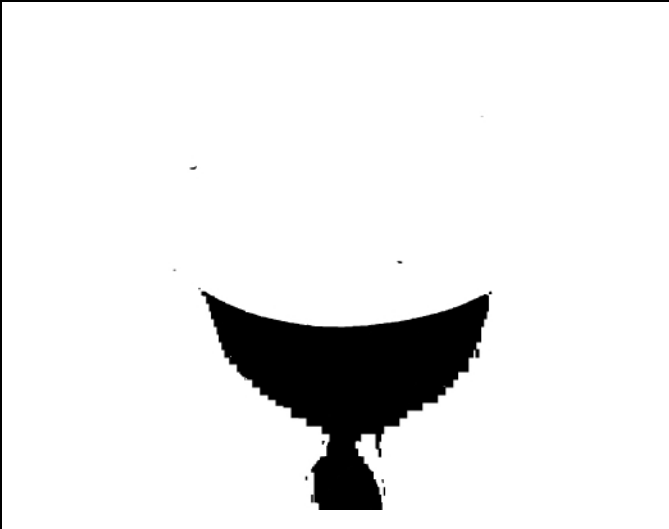
#24 Mesh Screen in Place? Y N

Condition: Excellent

All Openings Sealed? Y N

Cap Condition: Excellent

Summary: The vent was found in good condition with minor chalking and 0.03% uniform surface corrosion noted.





Inland Potable Services, Inc.

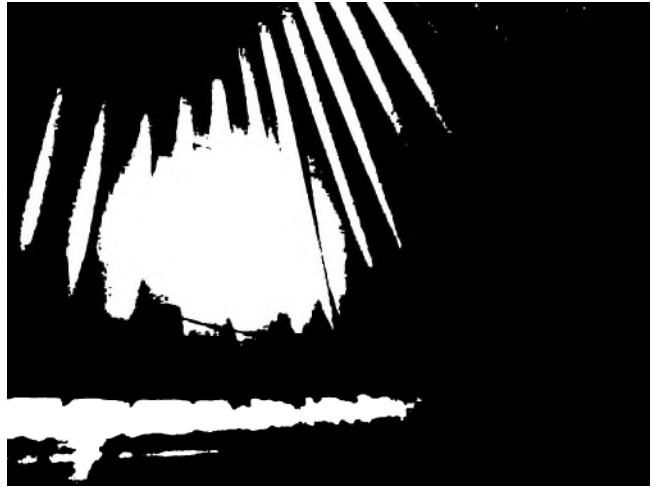
Interior Inspection Report



Roof Condition

Coating Condition: Good
 Welds/seam Condition: Good
 Corrosion Present On Panels? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The interior roof was found in good condition with minor oxidation, corrosive staining, 0.1% uniform surface corrosion and 0.3% concentrated cell corrosion noted.



Overflow Condition

Overflow Location: 6 o'clock
 Coating Condition: Excellent
 Weld/Seam Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The overflow was found in excellent to good condition with minor sags & runs in the coating noted.



Ladder Condition

Ladder Location: 12 o'clock
 Coating Condition: Good
 Weld/Seam Condition: Excellent
 Supports Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The ladder was found secure and in good condition with minor sags & runs in the coating, pinholes, 0.03% concentrated cell corrosion and 0.1% uniform surface corrosion noted.



Wall Panel Condition

Coating Condition: Good
 Welds/seam Condition: Excellent
 Corrosion Present On Panel? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Is Biofilm Present: Y N
 Any irregularities or structural deficiencies? Y N

Summary: The interior wall was found in good condition with minor sags & runs in the coating and 0.01% uniform surface corrosion noted.



Existing patch

Floor Condition

Coating Condition: Good

Welds/seam Condition: Excellent

Corrosion Present? Y N

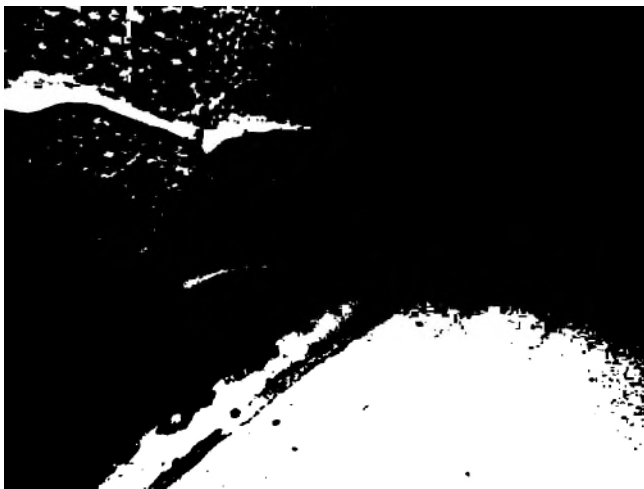
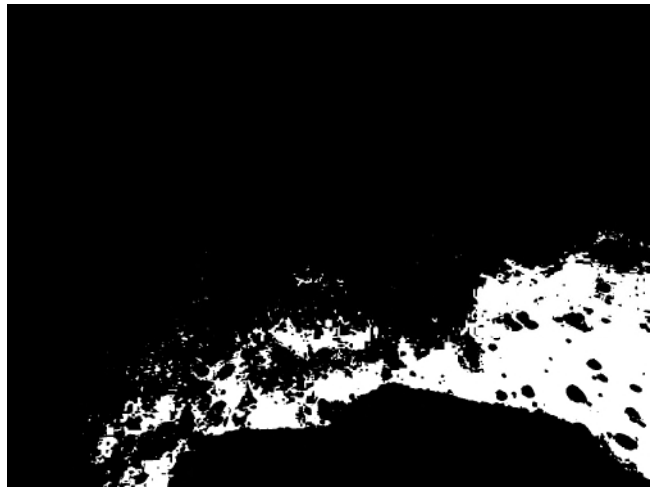
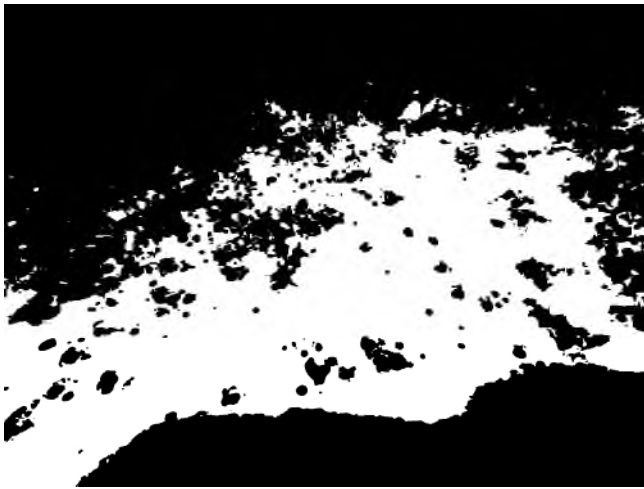
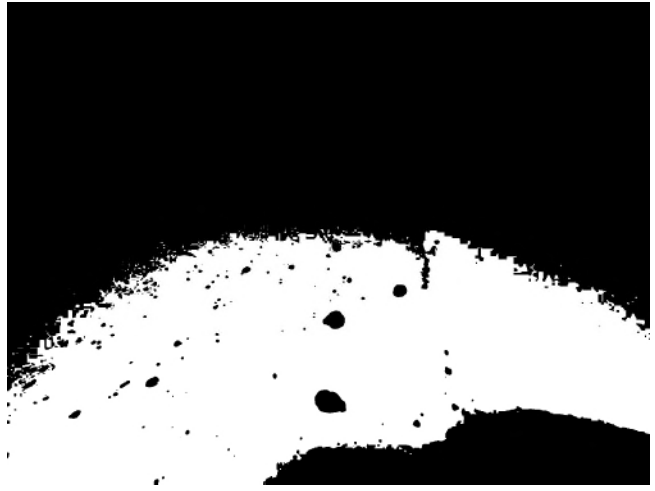
Oxidation Present? Y N

De-lamination Present? Y N

Sediment Depth: 1/8 inch

Any irregularities or structural deficiencies? Y N

Summary: The floor was found in good condition with minor to moderate pinholes, 0.03% rust noduling and uniform surface corrosion noted. The corrosion is localized to minimal areas.

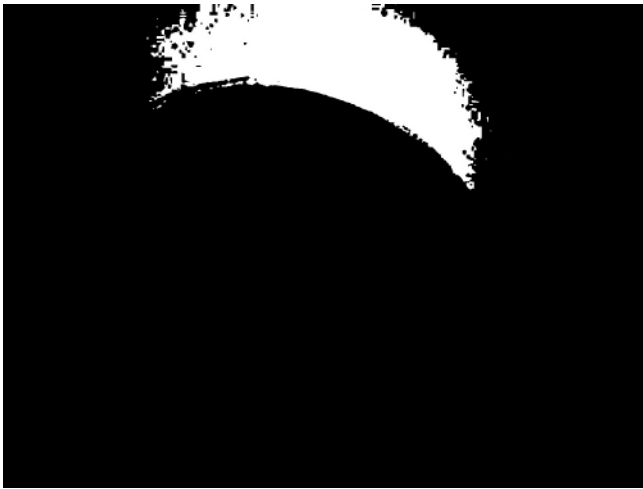


Manway Condition

Manway Location(s): 5 o'clock & 11 o'clock
Coating Condition: Both Excellent
Weld/Seam Condition: Both Excellent
Corrosion Present? Y N
Oxidation Present? Y N

De-lamination Present? Y N

Summary: The manways were found secure and in excellent condition.



Inlet and Outlet Condition

Common Inlet/Outlet? Y N Location: 9 o'clock
If Separate:
Outlet Location: N/A
Inlet Location: N/A
Coating Condition: Good
Weld/Seam Condition: Excellent
Corrosion Present? Y N

Oxidation Present? Y N
De-lamination Present? Y N

Summary: The common inlet/outlet was found in good condition with minor sediment staining, pinholes, 0.01% rust noduling and 0.03% uniform surface corrosion noted.



Inlet/outlet and cover



Close-up



Cover support



Cover support

Drain Condition

Drain Location: 6 o'clock
Coating Condition: Excellent/Good
Weld/Seam Condition: Excellent
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

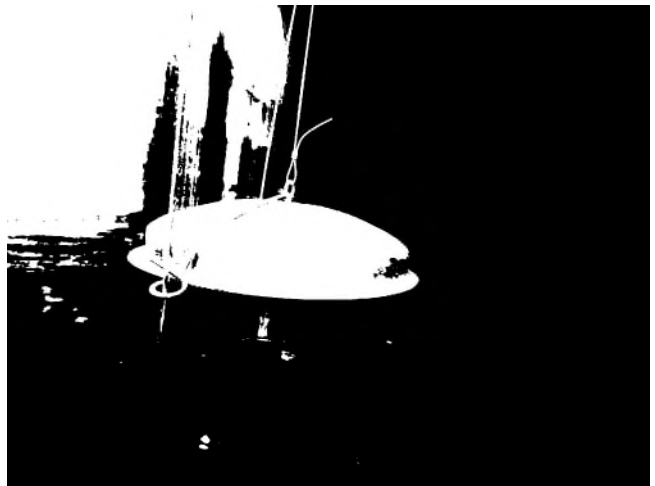
Summary: The drain was found in excellent to good condition with minor sediment staining noted.



Float Condition

Float Location: 12:05 o'clock
Guidelines Condition: Excellent
Attached Properly? Y N
Cable Condition: Excellent
Attached Properly? Y N
Hardware Condition: Excellent
Corrosion Present? Y N
Float Condition: Excellent
Sealed? Y N

Summary: The float was found in excellent condition.



Guideline anchor



Guideline

Support Column Condition

Number Of Columns: 1
Coating Condition: Good
Welds/seam Condition: Excellent
Corrosion Present? Y N
Oxidation Present? Y N

De-lamination Present? Y N

Summary: The support column was found secure and in good condition with minor oxidation, sags & runs in the coating and 0.1% uniform surface corrosion noted.



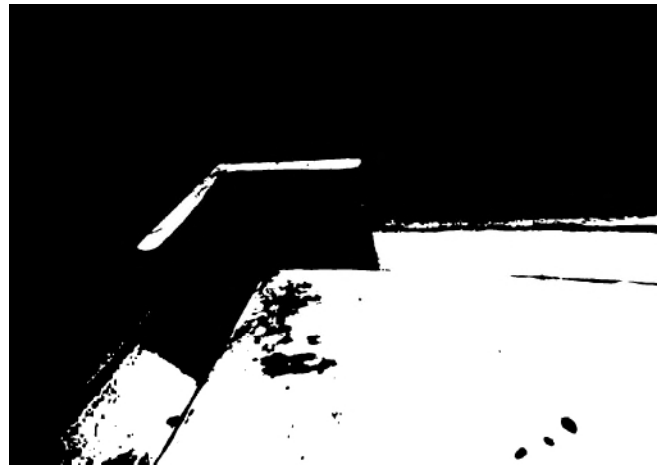
Top section



Middle section

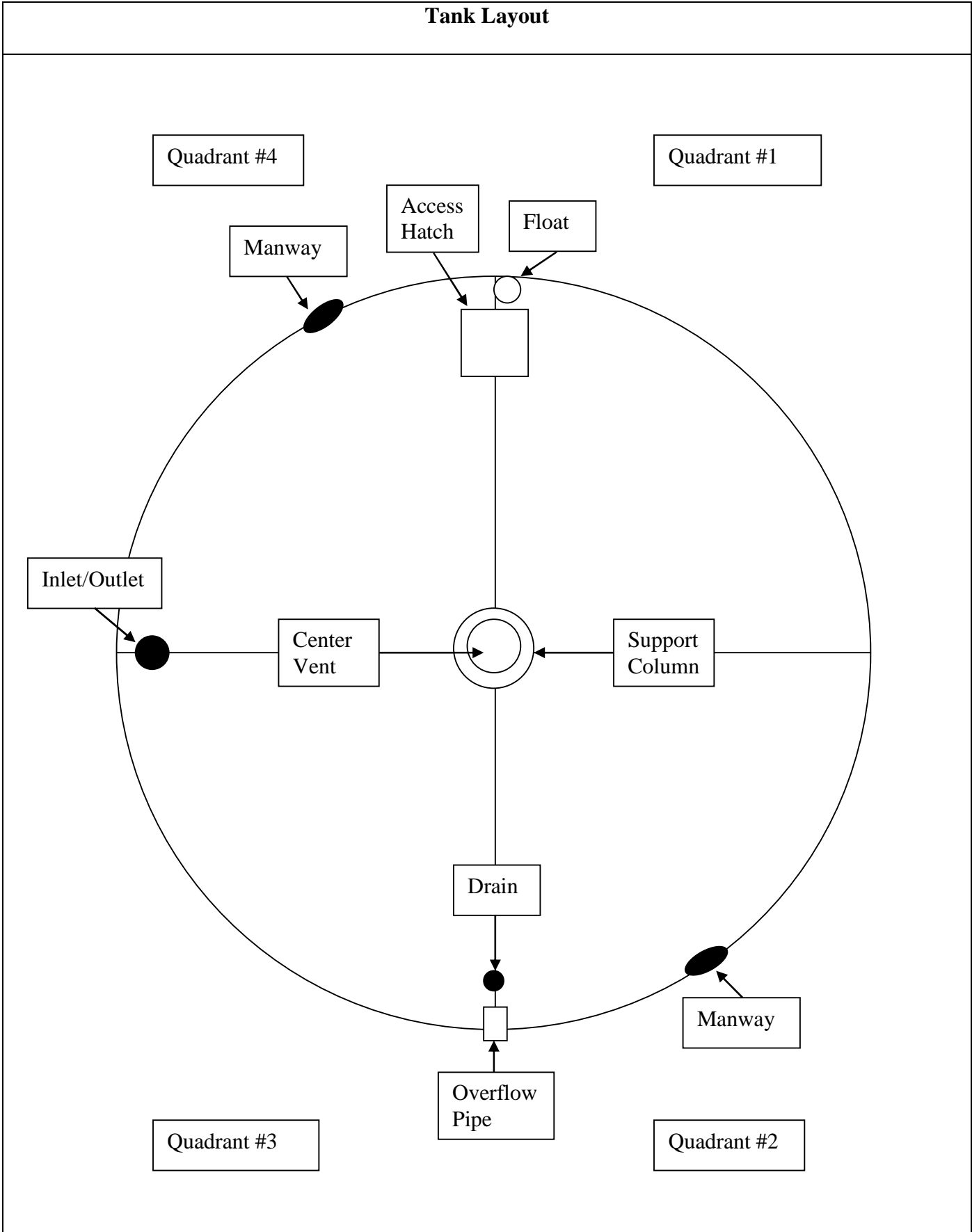


Column base



Column base

Tank Layout





16297 E. Crestline Lane
Centennial, CO 80015
Phone: 303-400-4220
Fax: 303-400-4215

Site 400 Tank #8 - 1.3MG

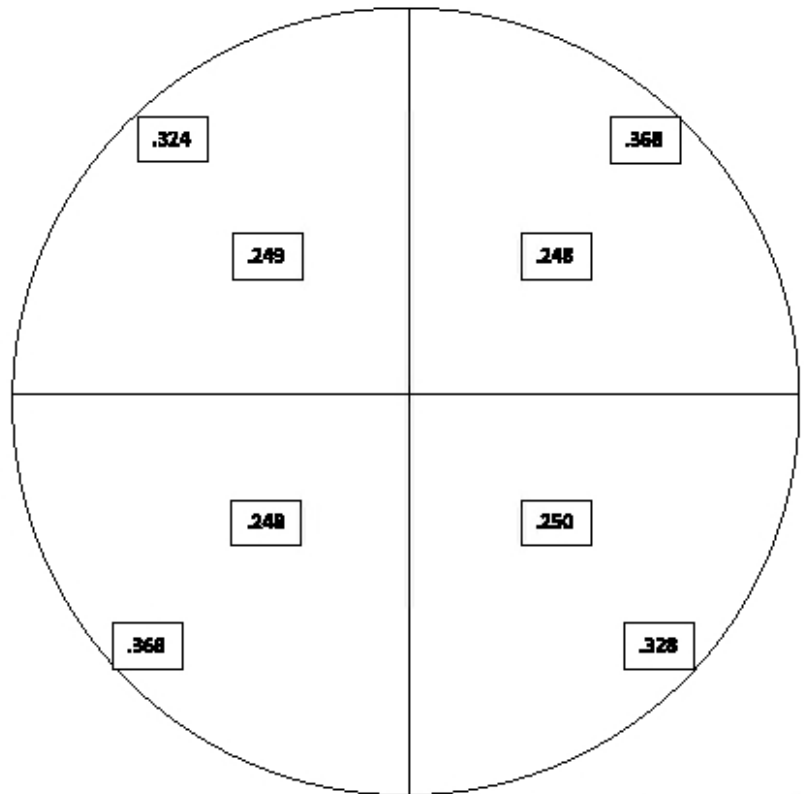
The file containing both the measurement of the roof and wall coating thickness measurements and the ultrasonic metal thickness reading was corrupted and could not be opened. The following page shows the metal thickness readings taken February 12, 2014.

Well #8-1.3MG Steel On-Grade

Quadrant 4

Ultrasonic Test
Measurements

Quadrant 1



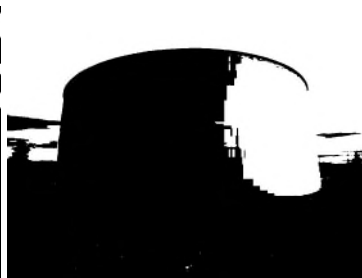
Quadrant 3

Quadrant 2

**Inspection Report for
Great Basin Water Company
Reno, NV**



East Side



West Side



North Side



South Side

**Spring Creek
550KG Steel On-Grade
Site 400 Tank #9**

Date Completed: May 16, 2019

Commercial Dive Team:

**Diver – Nico LeBlanc
Dive Controller – Cory Repasi
Tender – James Strickland**

Scope of Work:

Our team completed sediment removal using underwater vacuum equipment. Sediment depth, averaging 1/16 inch (iron & manganese), was removed from the tank floor. When the cleaning process was finished, a full visual inspection was performed of the tank interior and all interior fixtures. The team also performed a full visual inspection of the tank exterior and all attached fixtures. The details of the inspection findings are included in the report below.

Summary of the Inspection:

Exterior Inspection

1. There was good access to the tank. (In a gated area)
2. The base of the tank was found in good condition.
3. The wall was found in good condition with moderate chalking noted.
4. The overflow was found in good condition with moderate chalking noted and is directly connected to the storm drain.
5. The manways were found secure and in good condition with moderate chalking noted.
6. The water level indicator was found in good condition.
7. The ladder was found secure, OSHA approved and in good condition with 3% uniform surface corrosion noted.
8. The roof was found in good condition.
9. The hatch was found locked with no gasket present and in good condition with 0.01% uniform surface corrosion noted.
10. The vent was found in good condition.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now

Summary of the Inspection:

Interior Inspection

1. The interior roof was found in good condition with moderate de-lamination and 1% uniform surface corrosion noted.
2. The overflow was found in good condition with minor staining noted.
3. The ladder was found secure and in good condition with minor staining, blistering and 0.03% rust noduling noted.
4. The interior wall was found in good condition with minor sags & runs in the coating, pinholes, staining and 0.01% uniform surface corrosion noted.
5. The interior floor was found in good condition with moderate staining and 0.01% uniform surface corrosion and rust noduling noted.
6. The manways were found in good condition with minor to moderate staining and 0.03% rust noduling noted.
7. The common inlet/outlet was found in good condition with minor to moderate staining and 0.03% rust noduling noted.
8. The float was found in good condition with 0.01% rust noduling noted.
9. The support column was found secure and in good condition with minor sags & runs in the coating, blistering, minor to moderate staining, 0.01% rust noduling and uniform surface corrosion noted.

Recommendations:

1. Install a gasket on the access hatch.
2. Continue to schedule a clean and inspect every 3-5 years per AWWA recommendations.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now



Inland Potable Services, Inc.

Exterior Inspection Report



Foundation Condition

Foundation Exposed? Y N
 Anchor Bolts Present? Y N
 Corrosion on Anchor Bolts Present? Y N N/A
 Anchor Bolts Loose? Y N N/A

 Cracking Noted In Foundation? Y N N/A
 Spalling Noted? Y N N/A

 Summary: The base of the tank was found in good condition.

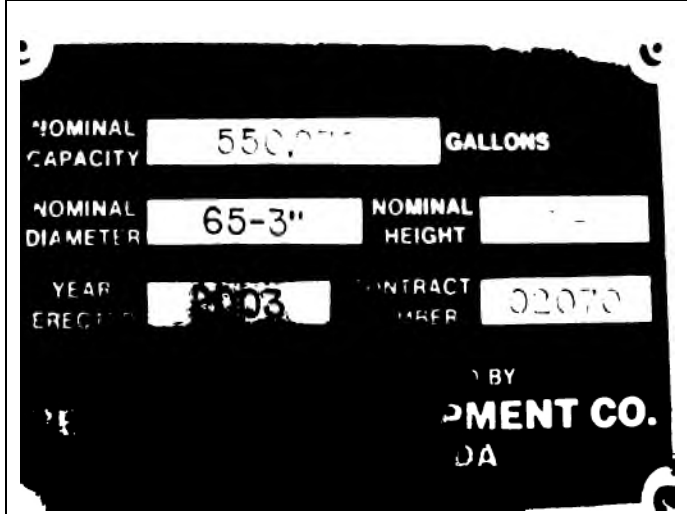


Wall Panel Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Dents Present? Y N

Holes Present? Y N
 Signs Of Leaking? Y N

 Summary: The wall was found in good condition with moderate chalking noted.



Information plaque on wall



Overflow Structure Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Stand Off Supports Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Directly Connected To Sewer or Drain? Y N N/A

End Cap Present? Y N
 Hinge and Cap Condition: N/A
 #24 mesh Screen Present? Y N
 Condition: N/A

Summary: The overflow was found in good condition with moderate chalking noted and is directly connected to the storm drain.

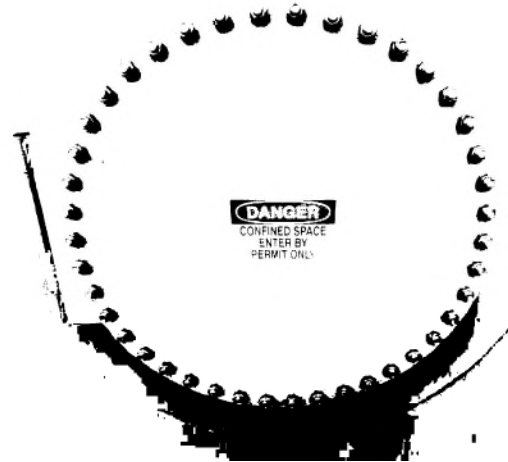
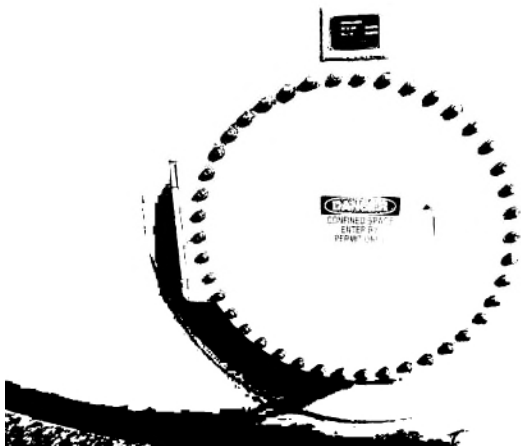


Manway Condition

Coating Condition: Both Good
 Weld/Seam Condition: Both Good
 Corrosion Present? Y N
 Oxidation Present? Y N

De-lamination Present? Y N

Summary: The manways were found secure and in good condition with moderate chalking noted.



Water Level Indicator Condition

Marker Condition: Good
 Attached & Accurate? Y N
 Marker Board Condition: Fair/Poor
 Is the level reading visible? Y N
 Pulley Condition: Good
 Attached Properly? Y N
 Cable Condition: Good
 Attached Properly? Y N
 Hardware Condition: Good
 Corrosion Present? Y N

Summary: The water level indicator was found in good condition.



Access Ladder Condition

Ladder Type: Steel bolted
 Is Ladder and Safety Climb OSHA Approved? Y N
 Is Vandal Guard Present? Y N
 Locked? Y N N/A
 Safety Climb Type: Cage
 Safety Climb Condition: Fair
 Is Top Of Tank Easily Accessible? Y N
 Coating Condition: Good/Fair
 Seams/Welds Condition: Good

Stand Off Supports Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The ladder was found secure, OSHA approved and in good condition with 3% uniform surface corrosion noted.



Ladder overall



De-lamination on ladder



Top of safety cage

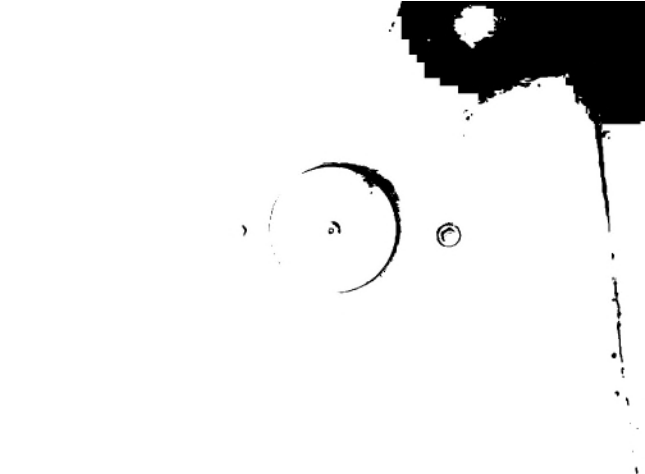


Safety cage overall

Roof Condition

Roof Type: Pitched
 Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Low Spots Present? Y N
 Holes in Roof? Y N
 Cathodic Protection Plates Present? Y N
 Sealed Edges: Y N N/A
 Loose Plates? Y N N/A
 Missing Plates? Y N N/A

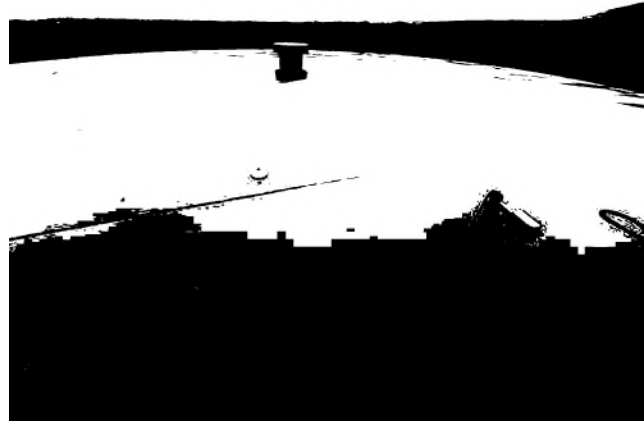
Summary: The roof was found in good condition.



Cathodic plate



Handrail



Roof overall

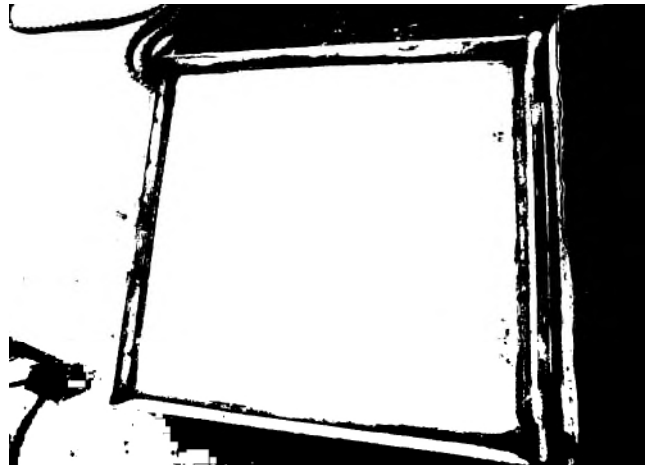
Access Hatch Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present: Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Hatch Size: 2 foot square
 Riser Height: 4 inches Lid Height: 2 inches
 Hatch Locked? Y N

Hinge Condition: Good
 Gasket Present? Y N
 Intact? Y N N/A
 Insects, Dirt Or Debris Present Under Hatch? Y N
 Summary: The hatch was found locked with no gasket present and in good condition with 0.01% uniform surface corrosion noted.



Hatch open



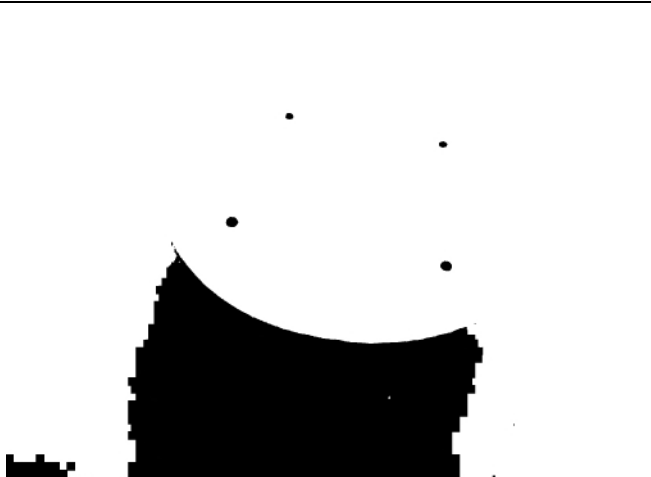
Underside of hatch lid

Vent Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present: Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 #24 Mesh Screen in Place? Y N
 Condition: Good

All Openings Sealed? Y N
 Cap Condition: Good

Summary: The vent was found in good condition.





Inland Potable Services, Inc.

Interior Inspection Report



Roof Condition

Coating Condition: Good/Fair
 Welds/seam Condition: Good
 Corrosion Present On Panels? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The interior roof was found in good condition with moderate de-lamination and 1% uniform surface corrosion noted.



Cathodic protection



Overflow Condition

Overflow Location: 2 o'clock
 Coating Condition: Good
 Weld/Seam Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The overflow was found in good condition with minor staining noted.



Ladder Condition

Ladder Location: 12 o'clock
Coating Condition: Good
Weld/Seam Condition: Good
Supports Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

Summary: The ladder was found secure and in good condition with minor staining, blistering and 0.03% rust noduling noted.



Ladder support



Noduling



Noduling

Wall Panel Condition

Coating Condition: Good

Welds/seam Condition: Excellent/Good

Corrosion Present On Panel? Y N

Oxidation Present? Y N

De-lamination Present? Y N

Is Biofilm Present: Y N

Any irregularities or structural deficiencies? Y N

Summary: The interior wall was found in good condition with minor sags & runs in the coating, pinholes, staining and 0.01% uniform surface corrosion noted.



Surface corrosion



Wall to roof seam

Floor Condition

Coating Condition: Good
 Welds/seam Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Sediment Depth: 1/16 inch

Any irregularities or structural deficiencies? Y N

Summary: The interior floor was found in good condition with moderate staining and 0.01% uniform surface corrosion and rust noduling noted.



Noduling



Noduling



Corrosion



Staining



Floor to wall seam



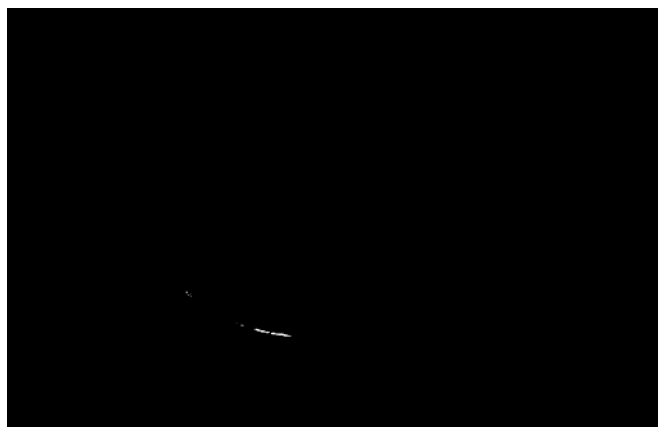
Fallen de-lamination from roof

Manway Condition

Manway Location(s): 5 o'clock & 11 o'clock
 Coating Condition: Both Good
 Weld/Seam Condition: Both Excellent/Good
 Corrosion Present? Y N
 Oxidation Present? Y N

De-lamination Present? Y N

Summary: The manways were found in good condition with minor to moderate staining and 0.03% rust noduling noted.



Manway 1



Seam on manway 1



Manway 2



Seam on manway 2

Inlet and Outlet Condition

Common Inlet/Outlet? Y N Location: 2:45 o'clock
 If Separate:
 Outlet Location: N/A
 Inlet Location: N/A
 Coating Condition: Good
 Weld/Seam Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The common inlet/outlet was found in good condition with minor to moderate staining and 0.03% rust noduling noted.

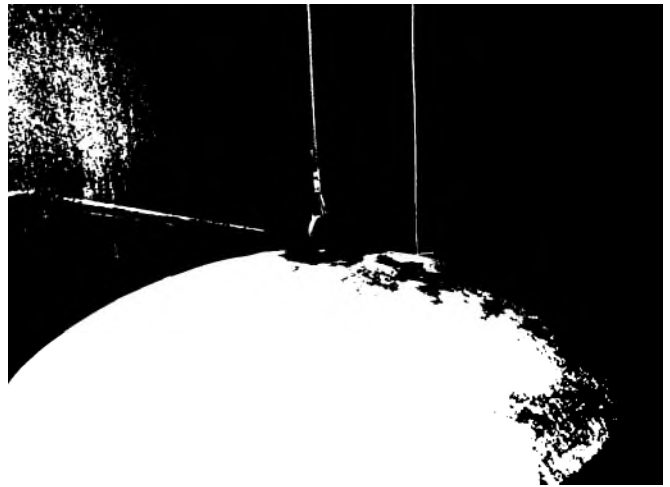
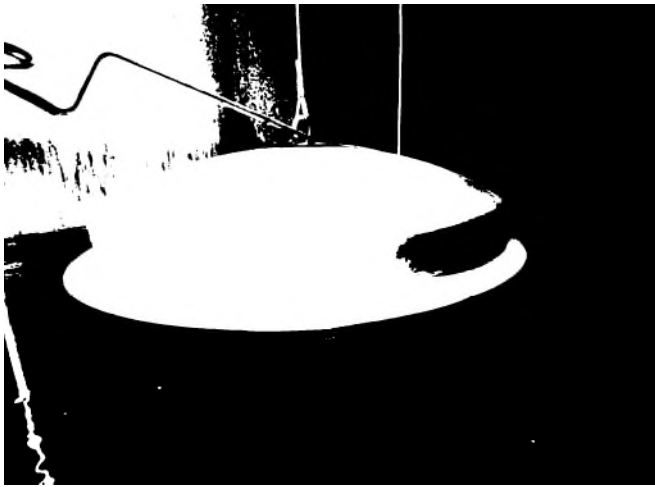


Float Condition

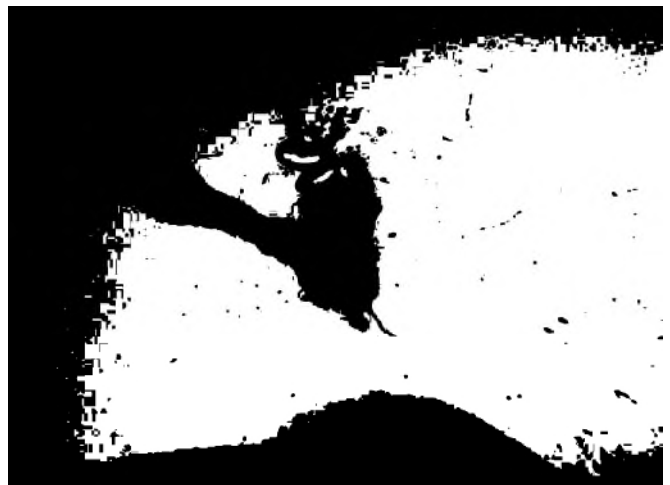
Float Location: 12:05 o'clock
Guidelines Condition: Good
Attached Properly? Y N
Cable Condition: Good
Attached Properly? Y N
Hardware Condition: Good
Corrosion Present? Y N

Float Condition: Good
Sealed? Y N

Summary: The float was found in good condition with 0.01% rust noduling noted.



Guideline anchor



Guideline anchor

Support Column Condition

Number Of Columns: 1

Coating Condition: Good

Welds/seam Condition: Good

Corrosion Present? Y N

Oxidation Present? Y N

De-lamination Present? Y N

Summary: The support column was found secure and in good condition with minor sags & runs in the coating, blistering, minor to moderate staining, 0.01% rust noduling and uniform surface corrosion noted.



Top of column



Midsection



Midsection



Contact corrosion



Contact corrosion

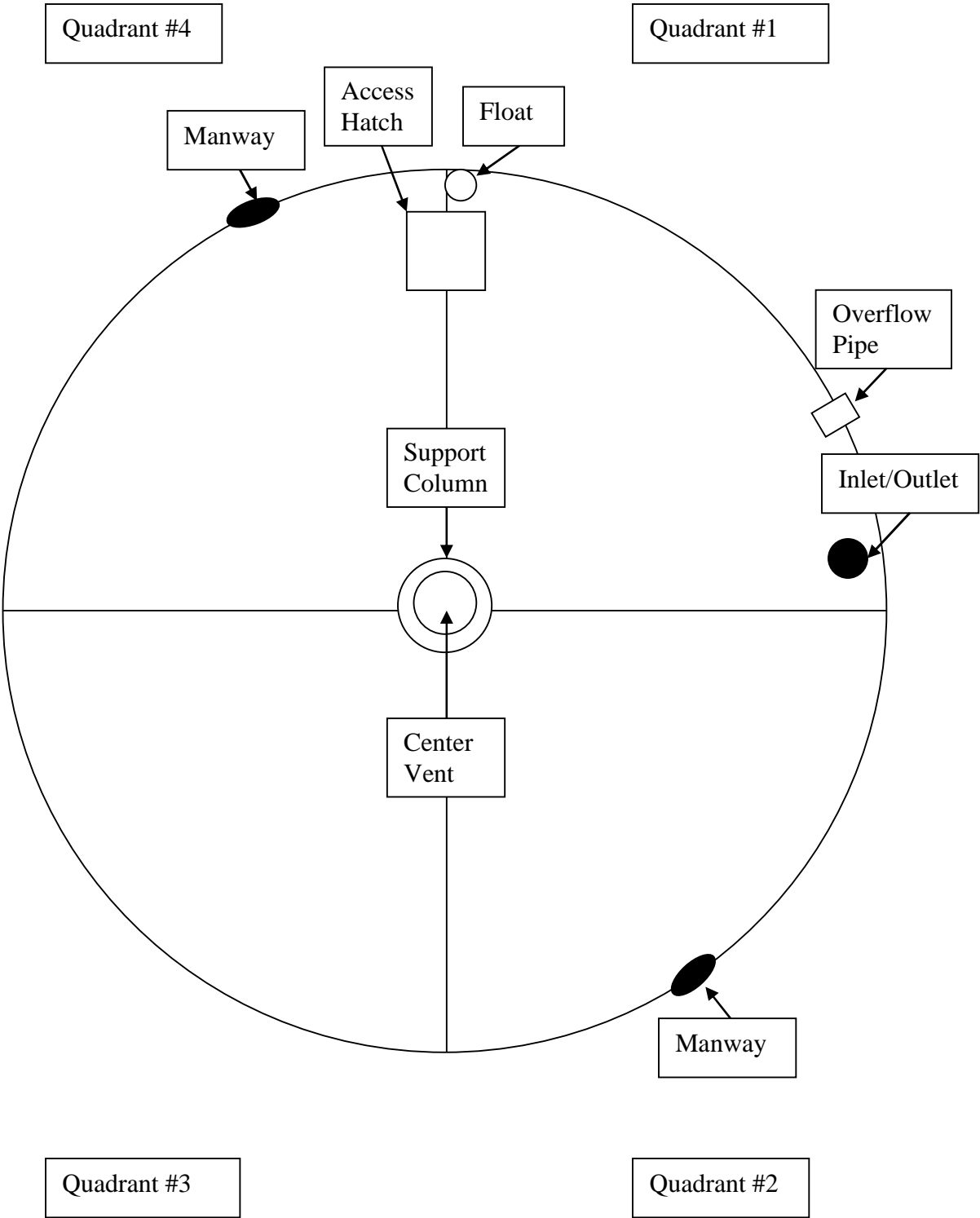


Noduling



Base of column

Tank Layout

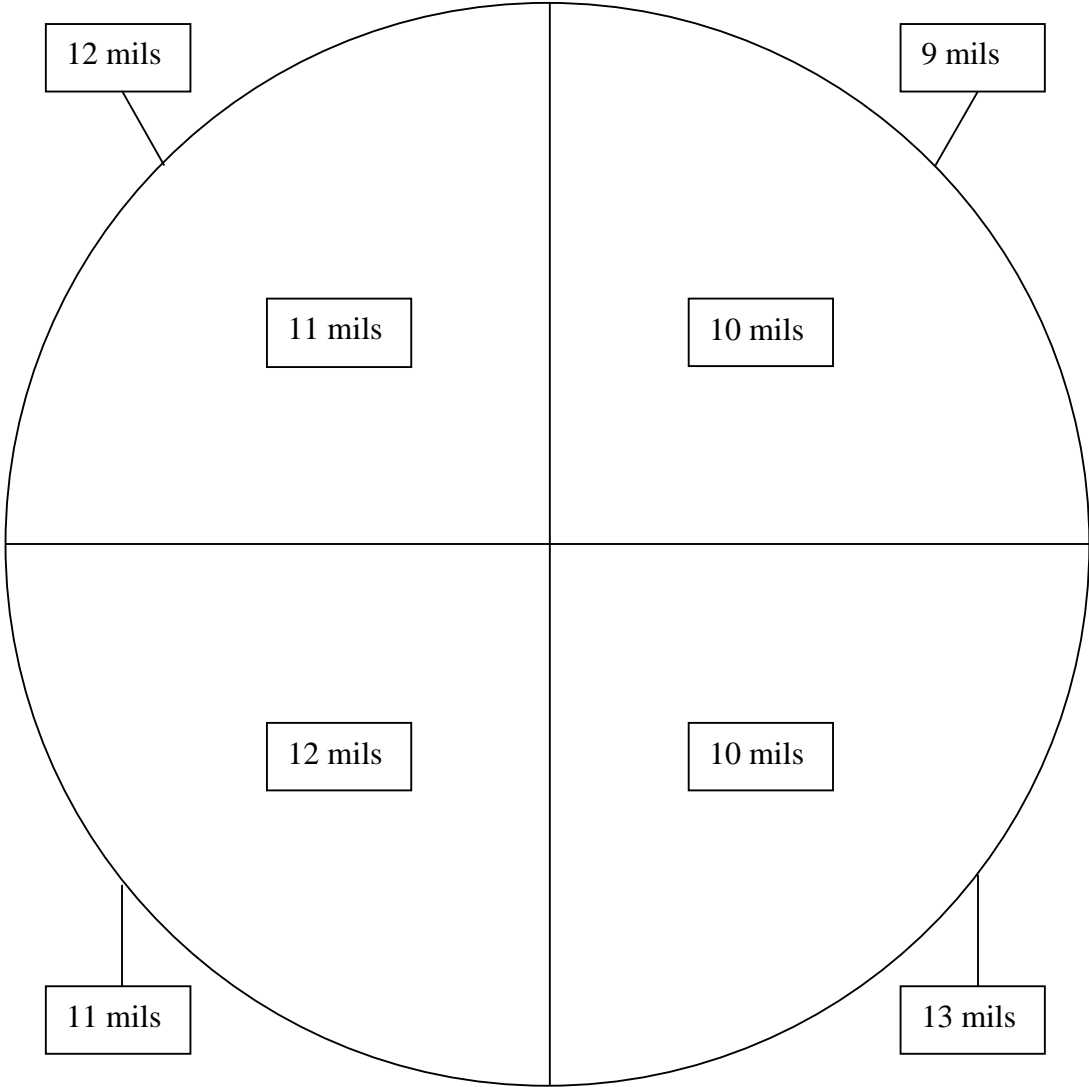


Tank Layout

Roof and Wall Coating Thickness Measurements

Quadrant #4

Quadrant #1



Quadrant #3

Quadrant #2

Tank Layout

Ultrasonic Metal Thickness Testing

Quadrant #4

Quadrant #1

.321

.321

.319

.328

.322

.248

.250

.320

.326

.318

.247

.251

.320

.319

.331

.330

.316

.316

Quadrant #3

Quadrant #2

Great Basin Water Company – Spring Creek Division (Volume III)

Sanitary Surveys

ENVIRONMENTAL

January 6, 2021

CERTIFIED: 9171 9690 0935 0218 7259 38

Mr. Marc Rohus
 448 Tonka Lane No 3
 Spring Creek, NV 89815

Subject: Sanitary Survey of Great Basin Water Co Spring Creek (NV0000036); Elko County

Dear Mr. Rohus,

This letter serves to report the results of the Sanitary Survey inspection conducted virtually by the Nevada Division of Environmental Protection, Bureau of Safe Drinking Water (BSDW), of the above referenced facility on **Thursday, December 17, 2020**. Although a virtual sanitary survey was conducted, this does not preclude BSDW from performing a follow up on-site visit once travel restrictions are lifted. To document the necessary corrective actions, you are required to provide a written response addressing the noted deficiency(s) within **45 days** of receipt of this report or by **February 18, 2021**. The assistance of water system representatives mentioned below was very helpful and greatly appreciated.

Parties Present

| | |
|--------------|-------------------------------|
| David Shaw | BUREAU OF SAFE DRINKING WATER |
| Marc Rohus | GREAT BASIN WATER CO |
| Eric Chittim | GREAT BASIN WATER CO |

Significant Deficiencies

The significant deficiencies listed below were noted during the inspection and require immediate corrective action, as outlined in the "comments". The Ground Water Rule requires that you meet the following regulatory deadlines for completing all actions associated with the significant deficiency(s):

- 30 days- **Consult** with our agency to determine the appropriate corrective actions and schedule for compliance within 30 days of receipt of this report.
- 45 days- **Submit** a written response within 45 days of receipt of this report. The response must outline the course of action that has or will be taken and the date by which you propose to correct the deficiencies.
- 120 days- **Correct** the significant deficiency(s) or have an approved corrective action plan within 120 days of receipt of this report, unless a more stringent deadline is noted in the "comments" below.
- 30 days- **Document** and submit in writing, within 30 days of correction, that the significant deficiency(s) has been corrected.

Significant Deficiencies

| |
|--|
| <p>Deficiency ID: 1</p> <p>Facility: DISTRIBUTION SYSTEM</p> <p>Description: Leak Repair; Distribution system leaks must be repaired to maintain water quality and pressure. NAC 445.67105; 22</p> <p>Comment: The water system continues to have an excessive amount of line breaks and pressure losses. Multiple boil water orders (in different portions of the distribution system) are often in place at the same time. BSDW understands that the most problematic portions of the distribution system consist of PVC pipe that is not appropriately sized to ensure proper pressures and flows. Frequent pipe breaks and pressure losses increase the probability of distribution system contamination. In addition to potential health hazards, the undersized PVC pipe could hinder firefighting efforts. Lumos and Associates submitted an anticipated schedule for the (in-progress) distribution system replacement project on January 13, 2020. The timeline combined tasks for both of the Spring Creek water systems. Submit a similar (and updated) timeline that is specific to tasks for the main Spring Creek system (NV0000036) for BSDW review and approval. The timeline will comprise the basis of a Corrective Action Plan (CAP) and BSDW will track the various tasks as CAP milestones. This deficiency will be resolved when the BSDW Engineering branch approves the final project completion documents. The water system must provide notice of an unresolved significant deficiency in their annual Consumer Confidence Reports until the deficiency is resolved.</p> |
| <p>Deficiency ID: 2</p> <p>Facility: STORAGE TANK 8 250K</p> <p>Description: Base or Foundation Problems; The storage facility has problems with the base/foundation. NAC 445A.6708.1(b); 3</p> <p>Comment: "TANK IS SETTLING.....STILL" >>> This deficiency was carried forward from 2017 sanitary survey. BSDW understands that a tank inspection was conducted in 2019. Provide the inspection report. Additional corrective actions may be needed.</p> |
| <p>Deficiency ID: 3</p> <p>Facility: WILLINGTON WELL 9</p> <p>Description: SRC WL Vent Pipe Height and Screen; The well casing must be equipped with a vent pipe with proper height, orientation, and screen. NAC 445A.6692; 2</p> <p>Comment: Based on the provided photo "Well #9 Wellhead Screen", the screen on the pipe appears to be too coarse. Install a 22 to 24 mesh per inch, non-corrosive vent screen to reduce the possibility of animals, debris, and other contaminants entering the well. Provide photographic documentation of the repair.</p> |

Other Deficiencies

The following deficiencies need to be corrected to ensure adequate long-term protection, construction, monitoring, operation or maintenance of the public water system. If left uncorrected, the situation may deteriorate and result in the inability of the public water system to provide a safe and reliable supply of water to its customers. Include the corrective action(s) or schedule to correct with your written response to our agency:

| |
|--|
| <p>Deficiency ID: 4</p> <p>Facility: STORAGE TANK 106A 250K</p> <p>Description: Inspection Access; Storage facilities must be constructed to provide access for inspection and cleaning. NAC 445A.67075 (AWWA Standards) and NAC 445A.6708; 1</p> <p>Comment: Provide the most recent inspection report. Based on the findings, the severity of this deficiency may be elevated, and additional corrective actions may be required.</p> |
| <p>Deficiency ID: 5</p> <p>Facility: STORAGE TANK 103A 250K</p> <p>Description: Inspection Access; Storage facilities must be constructed to provide access for inspection and cleaning. NAC 445A.67075 (AWWA Standards) and NAC 445A.6708; 1</p> <p>Comment: Provide the most recent inspection report. Based on the findings, the severity of this deficiency may be elevated, and additional corrective actions may be required.</p> |
| <p>Deficiency ID: 6</p> <p>Facility: STORAGE TANK 103A 250K</p> <p>Description: Overflow Pipe; Storage facility's overflow pipe must be adequately sized, the terminus must be screened or equipped with a flapper valve, must have a splash plate or other erosion prevention measures, and the terminus must be air gapped to daylight. NAC 445A.6708.3; 19</p> <p>Comment: The discharge end of the overflow pipe does not appear to be sufficiently air-gapped. Construct an air gap with a height equal to at least twice the effective diameter of the pipe. Also, construct a rock splash pad where the water discharges (if not present). Repeat for Storage Tanks ST01 (Tank 8), ST04 (103B) and ST05 (106A) and provide photographic documentation of the repairs.</p> |
| <p>Deficiency ID: 7</p> <p>Facility: WHEAR WELL 7</p> <p>Description: SRC WL Blow off Pipe Flapper, Screens, Orientation, Airgaps; Well discharge pipes and other appurtenances must be properly screened, oriented, and air gapped. NAC 445A.66925; 12</p> <p>Comment: Construct a rock splash pad at the discharge end of the well-to-waste pipe. If not already a sufficient height, construct an air-gap equal to at least twice the effective diameter of the pipe. Provide photographic documentation of the repairs.</p> |

Deficiency ID: 8

Facility: WELL 12

Description: SRC WL Blow off Pipe Flapper, Screens, Orientation, Airgaps; Well discharge pipes and other appurtenances must be properly screened, oriented, and air gapped. NAC 445A.66925; 12

Comment: The discharge end of the well-to-waste pipe is not sufficiently air-gapped. Construct an air-gap with a height equal to at least twice the effective diameter of the pipe. Also, construct a rock splash where the water discharges. Provide photographic documentation of the repairs.

Deficiency ID: 9

Facility: WELL 5

Description: SRC WL Blow off Pipe Flapper, Screens, Orientation, Airgaps; Well discharge pipes and other appurtenances must be properly screened, oriented, and air gapped. NAC 445A.66925; 12

Comment: The discharge end of the well-to-waste pipe is not sufficiently air-gapped. Construct an air-gap with a height equal to at least twice the effective diameter of the pipe . Provide photographic documentation of the repair.

Deficiency ID: 10

Facility: WELL 14

Description: SRC WL Cross Connection Protection; All wells must be protected from cross-connections. NAC 445A.67185; 15

Comment: An unprotected hose bib is present. Install an atmospheric vacuum breaker (AVB) and provide photographic documentation.

Deficiency ID: 11

Facility: WELL 4

Description: SRC WL Cross Connection Protection; All wells must be protected from cross-connections. NAC 445A.67185; 15

Comment: The hose bib near the chemical pump is unprotected. Install an atmospheric vacuum breaker (AVB) and provide photographic documentation.

Observations/Recommendations

The following are observations, comments, and/or recommendations and require written response where indicated. The recommendations will enable your system to better conform to the requirements of applicable design criteria or other industry standards:

| |
|---|
| <p>Facility: MR Data Verification</p> <p>Description: Total Coliform Site Sampling Plan; All systems must have and follow an approved site sample plan for Total Coliform Rule (TCR) monitoring. NAC 445A.4525 and 40 CFR 141.21(a) and 40 CFR 141.851 through 861 (Subpart Y); 12</p> <p>Comment: Per Revised Total Coliform Rule regulations, the Coliform Sampling Plan was reviewed by all parties. It was determined that the current sampling points and sampling frequency are representative of the distribution system and reflective of the population that is currently on record with BSDW. Provide a population update to confirm that no changes are needed.</p> |
| <p>Facility: WELL 4</p> <p>Description: SRC WL Contaminant Sources in Capture Zone; Systems must report any new contaminant sources or unplugged abandoned wells in the well source water protection area. NAC 445A.66865; 19</p> <p>Comment: The Homeowner's Association (HoA) owns a nearby fuel tank. BSDW strongly recommends that the water system coordinates with the HoA to ensure the tank is protected by double containment.</p> |
| <p>Facility: WELL 5</p> <p>Description: SRC WL Vandalism or Tampering; Wells must be adequately protected from vandalism or tampering. NAC 445A.66975; 20</p> <p>Comment: Although the well is located inside a locked building, BSDW strongly recommends the installation of a security fence due to its proximity to the Spring Creek Marina walking trails. This recommendation was also cited in the 2017 sanitary survey report.</p> |

Monitoring and Reporting

Monitoring Violations during the past year:

No violations.

Maximum Contaminant Level (MCL) Violations during the past year:

No violations.

Other Violations during the past year:

No violations.

Positive bacteriological sampling history for the past year:

No violations.

Reminders

The Nevada Administrative Code (NAC) 445A.6669 requires the Division's approval prior to commencement of construction of any improvements, treatment process modifications, or the addition of new water sources.

The Nevada Administrative Code contains specific requirements for record keeping. Some records must be kept for as long as ten years. The Public Water System is responsible for maintaining its own records.

The "Reduction of Lead in Drinking Water Act of 2011" and "Community Fire Safety Act of 2013" amended the Federal Safe Drinking Water Act. The BSDW amended the Nevada Administrative Code (NAC) effective December 22, 2014, to reflect the new Federal definition of lead-free that became effective January 4, 2014. Public Water System compliance with the new definition of lead-free in NAC 445A.66085 is required.

The Revised Total Coliform Rule requires public water system operators and managers to know when they have triggered a Treatment Technique Level 1 Assessment due to coliform positive detects. A fact sheet on the Level 1 Assessment Process and the Level 1 Assessment form required by BSDW may be found at <https://ndep.nv.gov/water/drinking-water/forms>. In addition, most regulations, guidance documents, and forms are available via Internet on the Bureau's website. Please link to <https://ndep.nv.gov/water/drinking-water> for further information.

Additional information and guidance is available on the EPA's Office of Ground Water and Drinking Water web site (www.epa.gov/safewater) or at the Safe Drinking Water hotline (1-800-426-4791).

Thank you for your time and cooperation.

Sincerely,



David Shaw,
Bureau of Safe Drinking Water
(775) 687-9521

Encl. *GWIR Significant Deficiency Attachment*

ec: Alisha Auch, P.E., PWS Compliance Branch Supervisor, BSDW
Andrea Seifert, P.E., Chief, BSDW
Marc Rohus, Great Basin Water Co marc.rohus@greatbasinwaterco.com
Eric Chittim, Great Basin Water Co eric.chittim@greathasinwaterco.com
James Eason, Great Basin Water Co james.eason@greatbasinwaterco.com



Bureau of Safe Drinking Water

Ground Water Rule—Significant Deficiency

What is the Ground Water Rule?

The Ground Water Rule was enacted in 2006 by the Environmental Protection Agency to improve drinking water quality and protect it from harmful microorganisms. To administer the rule, state officials inspect public water systems to check for deficiencies — issues with the system that might lead to contamination.

When does the rule apply to?

The Ground Water Rule applies to all public water systems that utilize ground water sources. Systems that use both ground water and surface water must also follow the rule, unless the deficiency is in a portion of the distribution system that is only served by surface water.

What is a significant deficiency?

Here's the definition from Nevada Administrative Code 445A.4665 (3):

A "significant deficiency" means any deficiency found at a public water system during a sanitary survey that is a violation of any provision of NAC 445A.450 to 445A.6731, inclusive, which may have the potential to cause a risk to public health. A significant deficiency includes, without limitation, unsanitary source conditions, treatment plant deficiencies, inadequate disinfectant contact time, cross connections, endangerment of sources, unsanitary storage and distribution of water, inadequate pressure, inadequate staff and any other deficiency of comparable significance.



Wells and springs are subject to the Ground Water Rule.

FAST FACTS

- ✓ The Ground Water Rule only applies to public water systems that use ground water
- ✓ A significant deficiency is a problem that may put the public at risk
- ✓ Significant deficiencies need to be fixed quickly to minimize public health risks and avoid violations

Learn more

Additional information on Ground Water Rule compliance can be found at:

<https://www.epa.gov/dwreginfo/ground-water-rule>

When may a significant deficiency be identified in the system?

Regulatory staff may identify significant deficiencies during routine sanitary surveys or at any other time (e.g. total coliform-positive follow-up, site inspection, customer complaint, etc.)

What are the steps you must take to correct a deficiency?

1. **Within 30 days of notification**, consult with your regulating agency to determine the best way to fix the problem, unless they have already specified a corrective action.
2. **Within 120 days of notification** or by a date specified by your regulating agency, correct the deficiency or be in compliance with a state-approved corrective action plan.
3. **Within 30 days of completing the corrective action**, notify your regulating agency that you have corrected the significant deficiency. You will need to provide photographs and/ or any other requested documentation.

What happens if you do not correct the significant deficiency?

1. Your system will receive a Treatment Technique violation requiring Tier 2 public notification — a notice to all consumers within 30 days.
2. Your system may need to issue special notices:
For community water system: If you have not corrected the significant deficiency by the time your next Consumer Confidence Report (CCR) is issued, you must notify the public with a **Special Notice in your next CCR** and repeat annually until the significant deficiency has been addressed.
For noncommunity water system: If you have not corrected the significant deficiency within 12 months, you must notify the public with a **Special Notice** and repeat annually until the significant deficiency has been addressed.



January 6, 2021

CERTIFIED: 9171 9690 0935 0218 7256 17

Mr. Marc Rohus
448 Tonka Lane No 3
Spring Creek, NV 89815

Subject: Sanitary Survey of Great Basin Water Co Spring Creek MHP (NV0005027); Elko County

Dear Mr. Rohus,

This letter serves to report the results of the Sanitary Survey inspection conducted virtually by the Nevada Division of Environmental Protection, Bureau of Safe Drinking Water (BSDW), of the above referenced facility on **Thursday, December 17, 2020**. Although a virtual sanitary survey was conducted, this does not preclude BSDW from performing a follow up on-site visit once travel restrictions are lifted. To document the necessary corrective actions, you are required to provide a written response addressing the noted deficiency(s) within **45 days** of receipt of this report or by **February 18, 2021**. The assistance of water system representatives mentioned below was very helpful and greatly appreciated.

Parties Present

| | |
|--------------|-------------------------------|
| David Shaw | BUREAU OF SAFE DRINKING WATER |
| Marc Rohus | GREAT BASIN WATER CO |
| Eric Chittim | GREAT BASIN WATER CO |

Significant Deficiencies

The significant deficiencies listed below were noted during the inspection and require immediate corrective action, as outlined in the "comments". The Ground Water Rule requires that you meet the following regulatory deadlines for completing all actions associated with the significant deficiency(s):

- 30 days- **Consult** with our agency to determine the appropriate corrective actions and schedule for compliance within 30 days of receipt of this report.
- 45 days- **Submit** a written response within 45 days of receipt of this report. The response must outline the course of action that has or will be taken and the date by which you propose to correct the deficiencies.
- 120 days- **Correct** the significant deficiency(s) or have an approved corrective action plan within 120 days of receipt of this report, unless a more stringent deadline is noted in the "comments" below.
- 30 days- **Document** and submit in writing, within 30 days of correction, that the significant deficiency(s) has been corrected.

Significant Deficiencies

Deficiency ID: 1

Facility: Management and Operation

Description: Fire Flow Capacity; Systems must meet or exceed flow capacity in accordance with fire authority requirements. NAC 445A.6674; 16

Comment: From 2014 survey: "UNDERSIZE PIPE MAY HINDER PROPER FIRE FLOW" >>> 2020 notes: Deficiency carried forward from 2014 sanitary survey and description expanded. The water system continues to have an excessive amount of line breaks and pressure losses. Multiple boil water orders (in different portions of the distribution system) are often in place at the same time. BSDW understands that the most problematic portions of the distribution system consist of PVC pipe that is not appropriately sized to ensure proper pressures and flows. Frequent pipe breaks and pressure losses increase the probability of distribution system contamination. In addition to potential health hazards, the undersized PVC pipe could hinder firefighting efforts. Lumos and Associates submitted an anticipated schedule for the (in-progress) distribution system replacement project on January 13, 2020. The timeline combined tasks for both of the Spring Creek water systems. Submit a similar (and updated) timeline that is specific to tasks for the MHP Spring Creek system (NV0005027) for BSDW review and approval. The timeline will update the existing Corrective Action Plan (CAP) and BSDW will continue track the various tasks as CAP milestones. This deficiency will be resolved when the BSDW Engineering branch approves the final project completion documents. The water system must provide notice of an unresolved significant deficiency in their annual Consumer Confidence Reports until the deficiency is resolved.

Deficiency ID: 2

Facility: STORAGE TANK 3 500K

Description: CW General Issues; Other issues or observations at finished water storage.; 4

Comment: From 2017 survey: "TANK IS AT OR BEYOND ITS USEFUL LIFE. HEALTHY VEGETATION NEAR BASE SUGGESTS A LEAKING FLOOR." >>> 2020 notes: Deficiency was carried forward from the 2017 sanitary survey and elevated to significant. Provide the most recent inspection report. Additional corrective actions may be needed.

Other Deficiencies

The following deficiencies need to be corrected to ensure adequate long-term protection, construction, monitoring, operation, or maintenance of the public water system. If left uncorrected, the situation may deteriorate and result in the inability of the public water system to provide a safe and reliable supply of water to its customers. Include the corrective action(s) or schedule to correct with your written response to our agency:

Deficiency ID: 3

Facility: TWIN TANK A 250K

Description: CW General Issues; Other issues or observations at finished water storage.; 4

Comment: Close the hole around the water level indicator cable to protect the storage tank from insects or other contamination. The repair must allow free movement of the cable (e.g. screen, grommet). Repeat for Twin Tank B (ST02) and the High Tank (ST03), and provide photographic documentation.

Deficiency ID: 4

Facility: TWIN TANK A 250K

Description: Overflow Pipe; Storage facility's overflow pipe must be adequately sized, the terminus must be screened or equipped with a flapper valve, must have a splash plate or other erosion prevention measures, and the terminus must be air gapped to daylight. NAC 445A.6708.3; 19

Comment: The discharge end of the overflow pipe is not sufficiently air-gapped. Construct an air-gap with a height equal to at least twice the effective diameter of the pipe. Also, construct a rock splash pad where the water discharges. Provide photographic documentation of the repairs.

Deficiency ID: 5

Facility: TWIN TANK A 250K

Description: Contamination Protection; The storage facility must be maintained to prevent pollution and contamination by way of leaks and openings (prevent entrance of rain, surface water, dust, birds, insects, and other animals). NAC 445A.6708.4 and 445A.67095; 2

Comment: Replace the gasketing on the roof access hatch to ensure a watertight seal and provide photographic documentation of the repair.

Deficiency ID: 6

Facility: WELL 11

Description: SRC WL Concrete Pad; A properly sized, constructed, and in good condition concrete pad must be equipped for the well. NAC 445A.66915; 8

Comment: The concrete slab is cracked at the wellhead. Seal the cracks and provide photographic documentation of the repair.

Deficiency ID: 7

Facility: WELL SC 1

Description: SRC WL Vent Pipe Height and Screen; The well casing must be equipped with a vent pipe with proper height, orientation, and screen. NAC 445A.6692; 2

Comment: Open space exists around the vent pipes at the wellhead. Seal the openings around the vent pipes and provide photographic documentation.

Observations/Recommendations

The following are observations, comments, and/or recommendations and require written response where indicated. The recommendations will enable your system to better conform to the requirements of applicable design criteria or other industry standards:

Facility: MR Data Verification

Description: Total Coliform Site Sampling Plan; All systems must have and follow an approved site sample plan for Total Coliform Rule (TCR) monitoring. NAC 445A.4525 and 40 CFR 141.21(a) and 40 CFR 141.851 through 861 (Subpart Y); 12

Comment: Per Revised Total Coliform Rule regulations, the Coliform Sampling Plan was reviewed by all parties. It was determined that the current sampling points and sampling frequency are representative of the distribution system and reflective of the population that is currently on record with BSDW. Provide a population update to confirm that no changes are needed.

Monitoring and Reporting

Monitoring Violations during the past year:

No violations.

Maximum Contaminant Level (MCL) Violations during the past year:

No violations.

Other Violations during the past year:

No violations.

Positive bacteriological sampling history for the past year:

No violations.

Reminders

The Nevada Administrative Code (NAC) 445A.6669 requires the Division's approval prior to commencement of construction of any improvements, treatment process modifications, or the addition of new water sources.

The Nevada Administrative Code contains specific requirements for record keeping. Some records must be kept for as long as ten years. The Public Water System is responsible for maintaining its own records.

The "Reduction of Lead in Drinking Water Act of 2011" and "Community Fire Safety Act of 2013" amended the Federal Safe Drinking Water Act. The BSDW amended the Nevada Administrative Code (NAC) effective December 22, 2014, to reflect the new Federal definition of lead-free that became effective January 4, 2014. Public Water System compliance with the new definition of lead-free in NAC 445A.66085 is required.

The Revised Total Coliform Rule requires public water system operators and managers to know when they have triggered a Treatment Technique Level 1 Assessment due to coliform positive detects. A fact sheet on the Level 1 Assessment Process and the Level 1 Assessment form required by BSDW may be found at <https://ndep.nv.gov/water/drinking-water/forms>. In addition, most regulations, guidance documents, and forms are available via Internet on the Bureau's website. Please link to <https://ndep.nv.gov/water/drinking-water> for further information.

Additional information and guidance is available on the EPA's Office of Ground Water and Drinking Water web site (www.epa.gov/safewater) or at the Safe Drinking Water hotline (1-800-426-4791).

Thank you for your time and cooperation.

Sincerely,



David Shaw,
Bureau of Safe Drinking Water
(775) 687-9521

Encl. *GBW Significant Deficiency Attachment*

cc: Alisha Auch, P.E., PWS Compliance Branch Supervisor, BSDW
Andrea Seifert, P.E., Chief, BSDW
Marc Rohus, Great Basin Water Co marc.rohus@greatbasinwaterco.com
Eric Chittim, Great Basin Water Co eric.chittim@greatbasinwaterco.com
James Eason, Great Basin Water Co james.eason@greatbasinwaterco.com

Ground Water Rule—Significant Deficiency

What is the Ground Water Rule?

The Ground Water Rule was enacted in 2006 by the Environmental Protection Agency to improve drinking water quality and protect it from harmful microorganisms. To administer the rule, state officials inspect public water systems to check for deficiencies — issues with the system that might lead to contamination.

Who is subject to the Ground Water Rule?

The Ground Water Rule applies to all public water systems that utilize ground water sources. Systems that use both ground water and surface water must also follow the rule, unless the deficiency is in a portion of the distribution system that is only served by surface water.

What is a significant deficiency?

Here's the definition from Nevada Administrative Code 445A.4665 (3):

A “significant deficiency” means any deficiency found at a public water system during a sanitary survey that is a violation of any provision of NAC 445A.450 to 445A.6731, inclusive, which may have the potential to cause a risk to public health. A significant deficiency includes, without limitation, unsanitary source conditions, treatment plant deficiencies, inadequate disinfectant contact time, cross connections, endangerment of sources, unsanitary storage and distribution of water, inadequate pressure, inadequate staff and any other deficiency of comparable significance.



Wells and springs are subject to the Ground Water Rule.

FAST FACTS

- ✓ The Ground Water Rule only applies to public water systems that use ground water
- ✓ A significant deficiency is a problem that may put the public at risk
- ✓ Significant deficiencies need to be fixed quickly to minimize public health risks and avoid violations

Learn more

Additional information on Ground Water Rule compliance can be found at:

<https://www.epa.gov/dwreginfo/ground-water-rule>

What are the significant deficiencies that have been identified in my system?

Regulatory staff may identify significant deficiencies during routine sanitary surveys or at any other time (e.g. total coliform-positive follow-up, site inspection, customer complaint, etc.)

What should I do if my system is found to be in non-compliance?

1. **Within 30 days of notification**, consult with your regulating agency to determine the best way to fix the problem, unless they have already specified a corrective action.
2. **Within 120 days of notification** or by a date specified by your regulating agency, correct the deficiency or be in compliance with a state-approved corrective action plan.
3. **Within 30 days of completing the corrective action**, notify your regulating agency that you have corrected the significant deficiency. You will need to provide photographs and/ or any other requested documentation.

What happens if I fail to correct the significant deficiency?

1. Your system will receive a Treatment Technique violation requiring Tier 2 public notification — a notice to all consumers within 30 days.
2. Your system may need to issue special notices:
For community water system: If you have not corrected the significant deficiency by the time your next Consumer Confidence Report (CCR) is issued, you must notify the public with a **Special Notice in your next CCR** and repeat annually until the significant deficiency has been addressed.
For noncommunity water system: If you have not corrected the significant deficiency within 12 months, you must notify the public with a **Special Notice** and repeat annually until the significant deficiency has been addressed.



NEVADA DIVISION OF
**ENVIRONMENTAL
 PROTECTION**

STATE OF NEVADA
 Department of Conservation & Natural Resources
 Brian Sandoval, Governor
 Bradley Crowell, Director
 Greg Lovato, Administrator

December 5, 2017

CERTIFIED: 9171 9690 0935 0040 4695 10

Mr. Marc Rohus
 448 Tonka Lane #3
 Spring Creek, NV 89815

Subject: SANITARY SURVEY OF GREAT BASIN WATER CO SPRING CREEK (NV0000036); ELKO COUNTY

Dear Mr. Rohus,

This letter serves to report the results of the Sanitary Survey inspection conducted by the Nevada Division of Environmental Protection, Bureau of Safe Drinking Water (BSDW), of the above referenced facility on **October 4, 2017**. To document the necessary corrective actions, you are required to provide a written response addressing the noted deficiency(s) within **45 days** of receipt of this report or by **January 18, 2018**. The assistance of water system representatives mentioned below was very helpful and greatly appreciated.

Parties Present

| NAME | ORGANIZATION |
|---------------|-----------------------------------|
| Bert Bellows | Bureau Of Safe Drinking Water |
| Emily Carlson | Bureau Of Safe Drinking Water |
| Eric Chittim | Great Basin Water Co |
| Marc Rohus | Great Basin Water Co Spring Creek |

Significant Deficiencies

The significant deficiencies listed below were noted during the inspection and require immediate corrective action, as outlined in the “comments”. The Ground Water Rule requires that you meet the following regulatory deadlines for completing all actions associated with the significant deficiency(s):

- 30 days- **Consult** with our agency to determine the appropriate corrective actions and schedule for compliance within 30 days of receipt of this report.
- 45 days- **Submit** a written response within 45 days of receipt of this report. The response must outline the course of action that has or will be taken and the date by which you propose to correct the deficiencies.
- 120 days- **Correct** the significant deficiency(s) or have an approved corrective action plan within 120 days of receipt of this report, unless a more stringent deadline is noted in the “comments” below.
- 30 days- **Document** and submit in writing, within 30 days of correction, that the significant deficiency(s) has been corrected.

Significant Deficiencies

| FACILITY | CATEGORY | DESCRIPTION |
|--|------------------------|--|
| ST04 - STORAGE TANK 103B 500K | Finished Water Storage | The storage facility must be maintained to prevent pollution and contamination by way of leaks and openings (prevent entrance of rain, surface water, dust, birds, insects, and other animals). NAC 445A.6708.4 and 445A.67095 |
| Comments: SCREEN ON CENTER VENT APPEARS TO BE OPEN TO ATMOSPHERE AS IT IS SEPARATED ON THE TOP See Attachment #2 | | |
| FACILITY | CATEGORY | DESCRIPTION |
| ST09 - STORAGE TANK 9 550K | Finished Water Storage | The storage facility must be maintained to prevent pollution and contamination by way of leaks and openings (prevent entrance of rain, surface water, dust, birds, insects, and other animals). NAC 445A.6708.4 and 445A.67095 |
| Comments: SEAL OPENING IN SIGHT GAUGE PIPE WHERE CABLE ENTERS, AS VIEWED FROM THE GROUND. SEND PHOTOS OF REPAIR. | | |
| FACILITY | CATEGORY | DESCRIPTION |
| ST03 - STORAGE TANK 103A 250K | Finished Water Storage | The storage facility must be maintained to prevent pollution and contamination by way of leaks and openings (prevent entrance of rain, surface water, dust, birds, insects, and other animals). NAC 445A.6708.4 and 445A.67095 |
| Comments: CAP OPENING IN PULLEY ELBOW OF SIGHT GAUGE ON TOP OF TANK. SEND PHOTO TO CONFIRM. CAP 1" PIPE OPENING ON TOP OF TANK NEAR LADDER. SEND PHOTO TO CONFIRM. (SEE ATTACHMENT 1) | | |
| FACILITY | CATEGORY | DESCRIPTION |
| ST05 - STORAGE TANK 106A 250K | Finished Water Storage | The storage facility must be maintained to prevent pollution and contamination by way of leaks and openings (prevent entrance of rain, surface water, dust, birds, insects, and other animals). NAC 445A.6708.4 and 445A.67095 |
| Comments: PLUG OPENING IN SIGHT GAUGE PIPE WHERE CABLE ENTERS. COVER PULLEY ELBOW ON TOP OF TANK WHERE CABLE DROPS INTO TANK. (SEE ATTACHMENT 3) SEND PHOTOS OF REPAIRS. | | |

Other Deficiencies

The following deficiencies need to be corrected to ensure adequate long-term protection, construction, monitoring, operation or maintenance of the public water system. If left uncorrected, the situation may deteriorate and result in the inability of the public water system to provide a safe and reliable supply of water to its customers. Include the corrective action(s) or schedule to correct with your written response to our agency:

| FACILITY | CATEGORY | DESCRIPTION |
|---|------------------------|---|
| ST03 - STORAGE TANK 103A 250K | Finished Water Storage | Storage facilities must be equipped with telemetry or a visual water level indicator. NAC 445A.6708.7 |
| Comments: REPAIR SIGHT GAUGE. See Attachment #1 | | |
| FACILITY | CATEGORY | DESCRIPTION |
| ST05 - STORAGE TANK 106A 250K | Finished Water Storage | Storage facilities must be equipped with telemetry or a visual water level indicator. NAC 445A.6708.7 |
| Comments: REPAIR SIGHT GAUGE. See Attachment #3 | | |
| FACILITY | CATEGORY | DESCRIPTION |
| ST01 - STORAGE TANK 8 250K | Finished Water Storage | The storage facility has problems with the base/foundation. NAC 445A.6708.1(b) |
| Comments: TANK IS SETTLING.....STILL | | |
| FACILITY | CATEGORY | DESCRIPTION |
| ST05 - STORAGE TANK 106A 250K | Finished Water Storage | The storage facility has problems with the base/foundation. NAC 445A.6708.1(b) |
| Comments: HILLSIDE ON SOUTH AND SOUTHEAST SIDE OF TANK HAS SLOUGHED TO THE POINT IT IS IN CONTACT WITH THE TANK BASE. EXCAVATE MATERIAL AND STABILIZE SLOPE WITH LARGE ROCK OR OTHER MEANS. SEND POTOS OF REPAIRS. | | |

Observations/Recommendations

The following are observations, comments, and/or recommendations and require written response where indicated. The recommendations will enable your system to better conform to the requirements of applicable design criteria or other industry standards:

| FACILITY | CATEGORY | DESCRIPTION |
|---|---------------------------------|---|
| Management | System Management and Operation | Other issues as noted. |
| Comments: SYSTEM SHOULD CONTINUE TO SEEK FUNDING TO MAKE SYSTEM IMPROVEMENTS (i.e.PIPING, WELLS AND TANKS) AS THE PUCN ALLOWS. | | |
| FACILITY | CATEGORY | DESCRIPTION |
| Management | System Management and Operation | Systems must maintain a capacity development (TMF) program in compliance with regulations (Community and NTNC after October 1, 1999). NAC 445A.591-.5926, inclusive |
| Comments: ADD BSDW TO MAILING LIST FOR IRP SUBMISSIONS IN THE FUTURE. | | |

| FACILITY | CATEGORY | DESCRIPTION |
|--|---------------------|--|
| DS01 - DISTRIBUTION SYSTEM | Distribution System | Materials used in the distribution system must meet the appropriate construction and AWWA standards to ensure delivery of sufficient volume, quality and pressure. NAC 445A.67105 and 445A.67125 |
| Comments: UPGRADE PIPE AS FINANCES ALLOW. | | |
| FACILITY | CATEGORY | DESCRIPTION |
| W08 - CHARLWOOD WELL | Source | The well must be equipped with piping and valves to pump to waste. NAC 445A.66925 |
| Comments: RECOMMEND ALTERING WELL-TO-WASTE PIPING BY SLIPPING A 10 OR 12 INCH PIPE OVER THE 4 INCH DISCHARGE AND LONG ENOUGH TO MAKE THE 90 IN THE CONCRETE DISCHARGE TRENCH. | | |
| FACILITY | CATEGORY | DESCRIPTION |
| W03 - WELL 14 | Source | Wells must be adequately protected from vandalism or tampering. NAC 445A.66975 |
| Comments: THIS SITE COULD USE A SECURITY FENCE. | | |
| FACILITY | CATEGORY | DESCRIPTION |
| W05 - WELL 5 | Source | Wells must be adequately protected from vandalism or tampering. NAC 445A.66975 |
| Comments: THIS SITE COULD USE A SECURITY FENCE. | | |

Monitoring and Reporting

Monitoring Violations:

No monitoring violations were reported in the past year.

Maximum Contaminant Level (MCL) Violations during the past year:

No maximum contaminant level violations were reported in the past year.

Other Violations during the past year:

No other violations were reported in the past year.

Positive bacteriological sampling history for the past year:

No Positive Samples were reported in the past year.

During the inspection, the items noted above and self-reported compliance data for the period from August 27, 2014 to October 4, 2017 were discussed. If you have been responding to BSDW regarding these violations, please continue that effort to resolve these issues. **If you have not responded to BSDW regarding these violations, please do so within 45 days of receipt of this report.**

Per Revised Total Coliform Rule regulations, the Coliform Sampling Plan was reviewed by all parties. It was determined that the current sampling points and sampling frequency are representative of the distribution system and reflective of the average population.

Reminders

The Nevada Administrative Code (NAC) 445A.6669 requires the Division's approval prior to commencement of construction of any improvements, treatment process modifications, or the addition of new water sources.

The Nevada Administrative Code contains specific requirements for record keeping. Some records must be kept for as long as ten years. The Public Water System is responsible for maintaining its own records.

The "Reduction of Lead in Drinking Water Act of 2011" and "Community Fire Safety Act of 2013" amended the Federal Safe Drinking Water Act. The BSDW amended the Nevada Administrative Code (NAC) effective December 22, 2014, to reflect the new Federal definition of lead-free that became effective January 4, 2014. Public Water System compliance with the new definition of lead-free in NAC 445A.66085 is required.

The Revised Total Coliform Rule requires public water system operators and managers to know when they have triggered a Treatment Technique Level 1 Assessment due to coliform positive detects. A fact sheet on the Level 1 Assessment Process and the Level 1 Assessment form required by BSDW may be found at <https://ndep.nv.gov/water/drinking-water/forms>. In addition, most regulations, guidance documents, and forms are available via Internet on the Bureau's website. Please link to <https://ndep.nv.gov/water/drinking-water> for further information.

Additional information and guidance is available on the EPA's Office of Ground Water and Drinking Water web site (www.epa.gov/safewater) or at the Safe Drinking Water hotline (1-800-426-4791).

If you have any questions, please contact me at 775-687-9525. Thank you for your time and cooperation.

Sincerely,

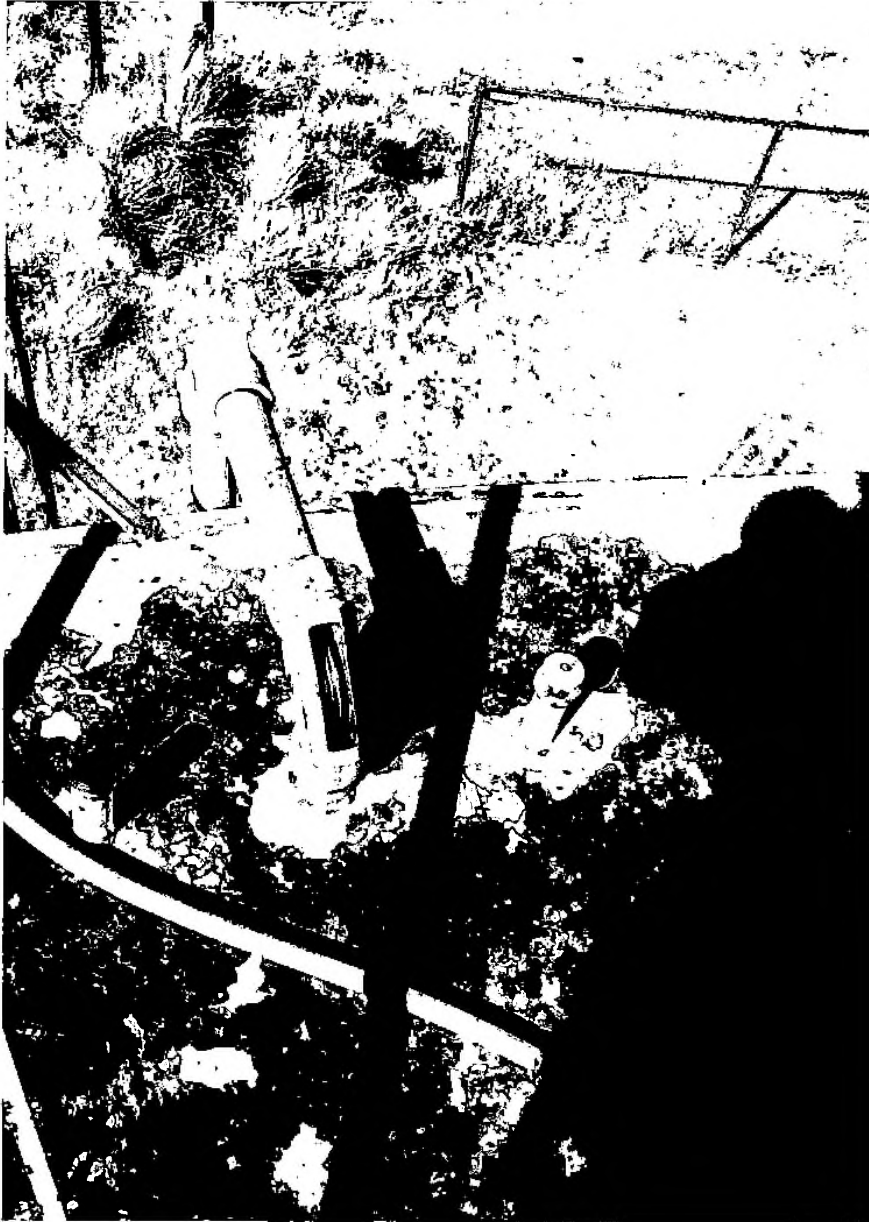
Bert Bellows, P.E.
Bureau of Safe Drinking Water
bbellows@ndep.nv.gov

Encl. *GWR Significant Deficiency Attachment*

ec: Andrea Seifert, P.E., PWS Compliance Branch Supervisor

cc: File

Attachments



Attachment #1

Severity: Minor

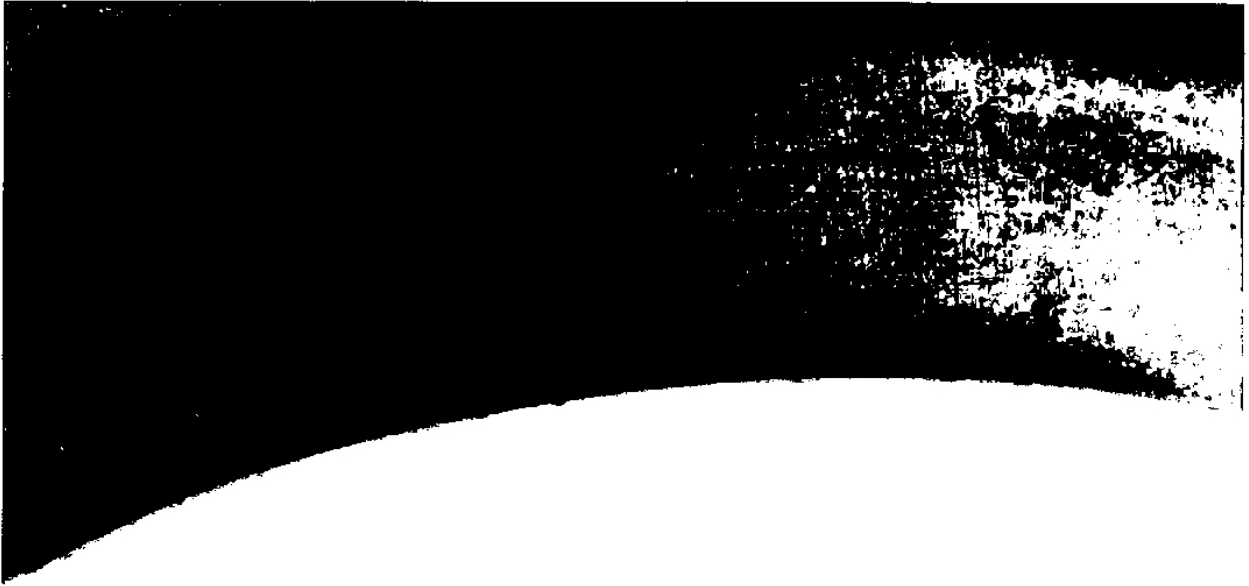
Facility ID: STORAGE TANK 103A 250K

Category: Finished Water Storage

Attachment Comments:

901 S. Stewart Street, Suite 4001 • Carson City, Nevada 89701 • p: 775.687.4670 • f: 775.687.5856 • ndep.nv.gov

Printed on recycled paper



Attachment #2

Severity: Significant

Facility ID: STORAGE TANK 103B 500K

Category: Finished Water Storage

Attachment Comments: SCREEN IS SEPARATED AT THE TOP IN THIS VIEW.



Attachment #3

Severity: Minor

Facility ID: STORAGE TANK 106A 250K

Category: Finished Water Storage

Attachment Comments:

Ground Water Rule—Significant Deficiency

Who does this apply to?

This applies to public water systems that receive their water from groundwater sources (e.g. wells, springs) in whole or in part. For public water systems that utilize both groundwater and surface water, this applies except in cases where the State determines that the significant deficiency is in a portion of the distribution system that is served solely by surface water. A significant deficiency may be identified in any part of the water system (source; treatment; distribution system; finished water storage; pumps, pump facilities & controls; monitoring, reporting & data verification; system management and operation; and operator compliance).

What is a significant deficiency?

As per Nevada Administrative Code 445A.4665 (3) a “*significant deficiency*” means any deficiency found at a public water system during a sanitary survey that is a violation of any provision of NAC 445A.450 to 445A.6731, inclusive, which may have the potential to cause a risk to public health. A significant deficiency includes, without limitation, unsanitary source conditions, treatment plant deficiencies, inadequate disinfectant contact time, cross connections, endangerment of sources, unsanitary storage and distribution of water, inadequate pressure, inadequate staff and any other deficiency of comparable significance.

When may a Significant Deficiency be identified?

A significant deficiency may be identified by Bureau of Safe Drinking Water staff during a sanitary survey or any other time (e.g. total coliform-positive follow-up, site inspection, customer complaint, etc.).

What do I do if my system is identified with a significant deficiency?

- Within 30 days of notification you must consult with your regulating agency to determine the appropriate corrective action(s) unless the regulating agency specifies a corrective action(s);
- Within 120 days of notification or date specified by your regulating agency you must complete corrective action(s), or be in compliance with a state-approved corrective action plan and schedule; and
- Within 30 days of completing the corrective action(s) notify your regulatory agency that the significant deficiency has been corrected – photographs and other written documentation may be required.

What happens if I fail to correct the significant deficiency?

- Incur a Treatment Technique violation requiring Tier 2 Public Notice—notice to all consumers within 30 days.
- May need to issue Special Notices as follows:
 - Community water system:** If you have not corrected the significant deficiency by the time your next CCR is issued, you must notify the public with a **Special Notice in your next CCR** and repeat annually until the significant deficiency has been addressed.
 - Noncommunity water system:** If you have not corrected the significant deficiency within 12 months, you must notify the public with a **Special Notice** and repeat annually until the significant deficiency has been addressed.



NEVADA DIVISION OF
**ENVIRONMENTAL
 PROTECTION**

STATE OF NEVADA
 Department of Conservation & Natural Resources
 Brian Sandoval, Governor
 Bradley Crowell, Director
 Greg Lovato, Administrator

November 30, 2017

Mr. Marc Rohus
 448 Tonka Lane, #3
 Spring Creek, NV 89815

**Subject: SANITARY SURVEY OF GREAT BASIN WATER CO. SPRING CREEK MHP
 (NV0005027); ELKO COUNTY**

Dear Mr. Rohus,

This letter serves to report the results of the Sanitary Survey inspection conducted by the Nevada Division of Environmental Protection, Bureau of Safe Drinking Water (BSDW), of the above referenced facility on **October 3, 2017**. To document the necessary corrective actions, you are required to provide a written response addressing the noted deficiency(s) within **45 days** of receipt of this report or by **January 13, 2018**. The assistance of water system representatives mentioned below was very helpful and greatly appreciated.

Parties Present

| NAME | ORGANIZATION |
|---------------|-------------------------------|
| Bert Bellows | Bureau Of Safe Drinking Water |
| Emily Carlson | Bureau Of Safe Drinking Water |
| Marc A Rohus | Op Cert |

Significant Deficiencies

No observations were recorded in this category.

Other Deficiencies

The following deficiencies need to be corrected to ensure adequate long-term protection, construction, monitoring, operation or maintenance of the public water system. If left uncorrected, the situation may deteriorate and result in the inability of the public water system to provide a safe and reliable supply of water to its customers. Include the corrective action(s) or schedule to correct with your written response to our agency:

| FACILITY | CATEGORY | DESCRIPTION |
|------------|---------------------------------|---|
| Management | System Management and Operation | Systems must operate a treatment(s) system that provides dependable and adequate treatment. NAC 445A.6676 |

Comments: WHEN TIME AND FINANCES ALLOW, THE SYSTEM SHOULD CONSTRUCT SUITABLE BUILDINGS TO ACCOMODATE THE ARSENIC TREATMENT PLANTS, INSTEAD

| OF THE SHIPPING CONTAINERS THAT CURRENTLY HOUSE THEM. THE SAME HOLDS TRUE FOR UNDERSIZED AND LEAKING PIPING, AND STORAGE FACILITIES, AND ANY OTHER AGING INFRASTRUCTURE. THESE ITEMS SHOULD CONTINUE TO BE SOUGHT THROUGH THE PUCN'S IRP SUBMISSION EVERY THREE YEARS HEREAFTER. | | |
|--|-----------------------------------|--|
| FACILITY | CATEGORY | DESCRIPTION |
| DS01 - DISTRIBUTION SYSTEM | Distribution System | Appropriate pressure must be maintained. NAC 445A.6711 |
| Comments: CONTINUE ATTEMPTS TO REDUCE HIGH PRESSURE IN AREAS OF THE SYSTEM AS FINANCES ALLOW. | | |
| FACILITY | CATEGORY | DESCRIPTION |
| DS01 - DISTRIBUTION SYSTEM | Distribution System | Dead end lines must be equipped with flushing devices and hydrants. NAC 445A.6712 |
| Comments: | | |
| FACILITY | CATEGORY | DESCRIPTION |
| DS01 - DISTRIBUTION SYSTEM | Distribution System | Materials used in the distribution system must meet the appropriate construction and AWWA standards to ensure delivery of sufficient volume, quality and pressure. NAC 445A.67105 and 445A.67125 |
| Comments: CONTINUE TO IDENTIFY AND REPLACE SUBSTANDARD PIPE AS FINANCES ALLOW. | | |
| FACILITY | CATEGORY | DESCRIPTION |
| PF01 - BOOSTER TO ST03 AND ST04 | Pump/pumping facility and control | Other issues at pump facility. |
| Comments: INSTALL A PRESSURE GAUGE ON THE HIGH SIDE OF THE BOOSTER PUMPS. | | |
| FACILITY | CATEGORY | DESCRIPTION |
| W01 - WELL SC 1 | Source | Well discharge pipes and other appurtenances must be properly screened, oriented, and air gapped. NAC 445A.66925 |
| Comments: ARV VENT NEEDS 22-24 MESH PER INCH NON-CORROSIVE SCREEN. | | |

Observations/Recommendations

The following are observations, comments, and/or recommendations and require written response where indicated. The recommendations will enable your system to better conform to the requirements of applicable design criteria or other industry standards:

| FACILITY | CATEGORY | DESCRIPTION |
|---|------------------------|---|
| ST03 - STORAGE TANK 3 500K | Finished Water Storage | Other issues or observations at finished water storage. |
| Comments: TANK IS AT OR BEYOND ITS USEFUL LIFE. HEALTHY VEGETATION NEAR BASE SUGGESTS A LEAKING FLOOR. | | |

Monitoring and Reporting

Monitoring Violations:

No monitoring violations were reported in the past year.

Maximum Contaminant Level (MCL) Violations during the past year:

| Violation Date | Sample Result | Maximum Contaminant Level | Analyte | Compliance Period |
|----------------|---------------|---------------------------|---------|-------------------------|
| 03/02/2017 | 35 TON | 3 TON | ODOR | 10/01/2016 - 12/31/2016 |

Other Violations during the past year:

No other violations were reported in the past year.

Positive bacteriological sampling history for the past year:

No Positive Samples were reported in the past year.

During the inspection, the items noted above and self-reported compliance data for the period from August 27, 2014 to October 3, 2017 were reviewed and the above violations were discussed. If you have been responding to BSDW regarding these violations, please continue that effort to resolve these issues. **If you have not responded to BSDW regarding these violations, please do so within 45 days of receipt of this report.**

Reminders

The Nevada Administrative Code (NAC) 445A.6669 requires the Division’s approval prior to commencement of construction of any improvements, treatment process modifications, or the addition of new water sources.

The Nevada Administrative Code contains specific requirements for record keeping. Some records must be kept for as long as ten years. The Public Water System is responsible for maintaining its own records.

The “Reduction of Lead in Drinking Water Act of 2011” and “Community Fire Safety Act of 2013” amended the Federal Safe Drinking Water Act. The BSDW amended the Nevada Administrative Code (NAC) effective December


22, 2014, to reflect the new Federal definition of lead-free that became effective January 4, 2014. Public Water System compliance with the new definition of lead-free in NAC 445A.66085 is required.

The Revised Total Coliform Rule requires public water system operators and managers to know when they have triggered a Treatment Technique Level 1 Assessment due to coliform positive detects. A fact sheet on the Level 1 Assessment Process and the Level 1 Assessment form required by BSDW may be found at <https://ndep.nv.gov/water/drinking-water/forms>. In addition, most regulations, guidance documents, and forms are available via Internet on the Bureau's website. Please link to <https://ndep.nv.gov/water/drinking-water> for further information.

Additional information and guidance is available on the EPA's Office of Ground Water and Drinking Water web site (www.epa.gov/safewater) or at the Safe Drinking Water hotline (1-800-426-4791).

If you have any questions, please contact me at 775-687-9525. Thank you for your time and cooperation.

Sincerely,



Bert Bellows, P.E.
Bureau of Safe Drinking Water
bellows@ndep.nv.gov

ec: Andrea Seifert, P.E., PWS Compliance Branch Supervisor

cc: File

Great Basin Water Company – Cold Springs Division (Volume IV)

Tank Inspection Reports



ROV Inspection Report

Great Basin Water Company – Cold Springs, NV



TANK 1 – 418,000 GALLON BOLTED STEEL TANK

Date: August 28, 2023

Matt Tasch
(480) 390-0487

MTasch@superiortanksolutions.com

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SUMMARY ASSESSMENT REPORT

GREAT BASIN WATER COMPANY – COLD SPRINGS, NV

ASSESSMENT INTRODUCTION

Superior Tank Solutions, Inc. conducted an exterior visual and internal ROV inspection at the customer's request. The primary purpose of the site visit was to determine the condition of the interior coatings, evaluate the leaks, and extent the extent of corrosion. Additionally, the tank was inspected to identify the condition of the coatings, safety, sanitary, security, and structural components. The tank was evaluated and assessed in reference to the following criteria:

- Interior and Exterior Coating Systems (AWWA and State)
- Structural Condition (AWWA)
- Safety and Security Regulatory Compliance (OSHA, State and Federal)
- Sanitary and Water Quality Deficiencies (AWWA, EPA, and State)

| TANK INFORMATION | |
|---------------------|-------------------------------|
| Inspection Date | August 28, 2023 |
| Tank Location | Cold Springs, NV |
| Year Built | 1999 |
| Tank Size (gallons) | 418,700 Gallons |
| Dimensions (feet) | 24'H x 59'D |
| Manufacturer | Columbian Tech Tank |
| Tank Style | Bolted Steel GST – AWWA D.103 |

PROJECT SCOPE AND DOCUMENTS

INSPECTION DETAILS:

The Visual Inspection is a routine assessment designed to identify non-compliance and document the tanks' condition. It involves the tank remaining in service and the inspection taking place from the ground and by climbing the tank. The interior will be assessed through the roof hatch by means of ROV with attached camera. The inspection shall be accompanied with a report including narrative and photographic documentation. The visual inspection includes the following:

Coatings: The interior and exterior coatings will be inspected for signs of coatings deterioration and failures. Coating thickness readings and adhesion tests will be performed to determine overcoat viability for the exterior and the interior coating integrity.

Structural Inspections: The assessment will identify obvious structural deficiencies such as deformation or deterioration of plates, rafters, earthquake rods, fasteners, and connection bolts. Foundation anomalies such as gravel washout, obvious concrete cracking or spalling, and floor undercutting will also be noted.

Instrumentation Inspections: Inspect liquid level indicators, floats and miscellaneous mechanical equipment to verify they are functioning properly. Visual assessment of cathodic protection anodes.

Site Security Inspections: Inspect the site perimeter and tank for evidence of unauthorized access. Inspect the tank side shell and roof for evidence of vandalism. Verify access hatches are locked with tamper-proof lock assemblies and the ladder gate assembly is uncompromised.

Sanitary Inspections: Sanitary inspection includes visual observation to identify any; oil and grease accumulation on the interior walls, graffiti, rust streaking and discoloration and water stains. Tank vents, flap gate or rubber check valves, and the grating or overflow screen (if applicable) at the end of the overflow / drainpipes and other openings.

Safety Inspections: Inspect all ladders and railings at the facility for noticeable metal loss, severe corrosion, and missing or loose bolts and nuts. These may include tank interior and exterior access ladders, and extension safety posts on ladders, platforms, and railings. Inspect safety cages, cables, and fall protection devices and connections on the tank ladders and roof. Verify non-compliance of tank configuration with OSHA 29 CFR 1910 and CFR 1926 requirements.

Housekeeping Inspections: Inspect for debris and trash found on-site, including any trash found at the end of the tank overflow piping. Note any small diameter rocks, trash, or debris found on the tank roof.

Cathodic Protection Systems: Cathodic protection systems require periodic maintenance and testing to ensure that they are functioning properly.

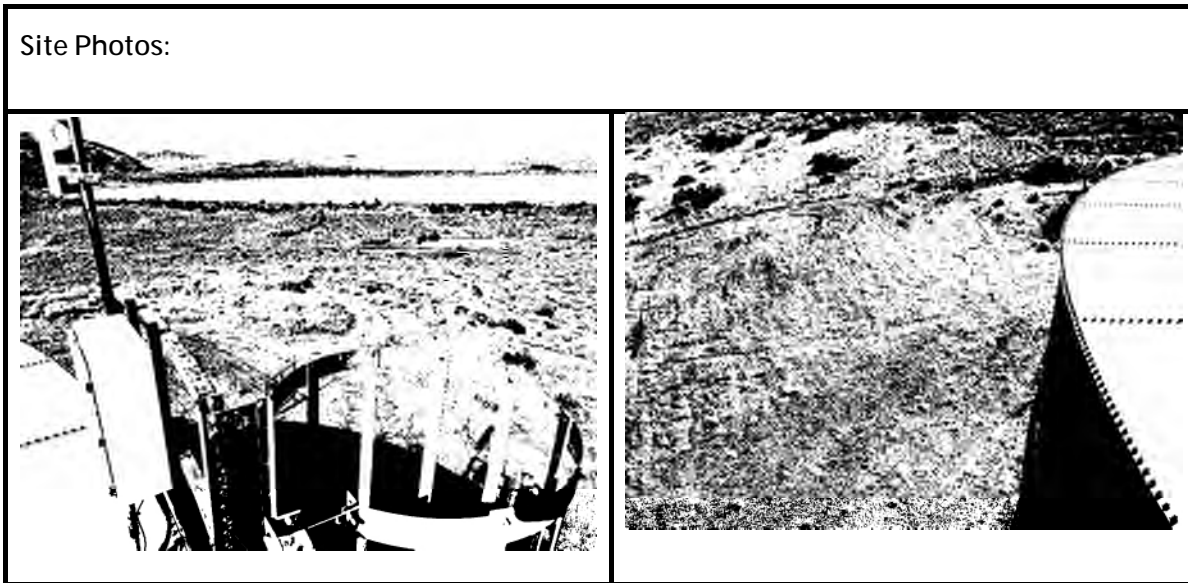
SUMMARY FINDINGS

The tank is generally in good condition despite the persistent leak issues. The epoxy interior coating is in good condition with the exception of minor isolated areas. The exterior coating is in good condition with localized corrosion and rust cells being found during the inspection. Calcium and mineral deposit build-up are present across the exterior shell in areas of past or active leaks. A few safety and design deficiencies are present and must be corrected.

General Recommendation:

- Modify or replace the center roof vent.
- Perform a washout and spot coating repair to remove the old oil buildup and stop corrosion at localized coating failure sites.
- Perform OSHA compliance upgrades for fall protection and ladders.
- Choose a method and approach to stop the active tank leaks.

| | Recommendation | Comments |
|----------|----------------|--|
| Maintain | | |
| Repair | X | Repairs, upgrades, and general maintenance are required to maintain functionality and regulatory compliance. |
| Renovate | X | Due to the persistent leaking issues, renovation maybe necessary to resolve the problem. |
| Replace | | |



ROV INSPECTION VIDEO

To access the ROV inspection video, click on the link below. If there are problems with the link or the video, please contact STS and a new link or flash drive will be provided.



COATINGS, DEFICIENCIES, AND CONCERNS

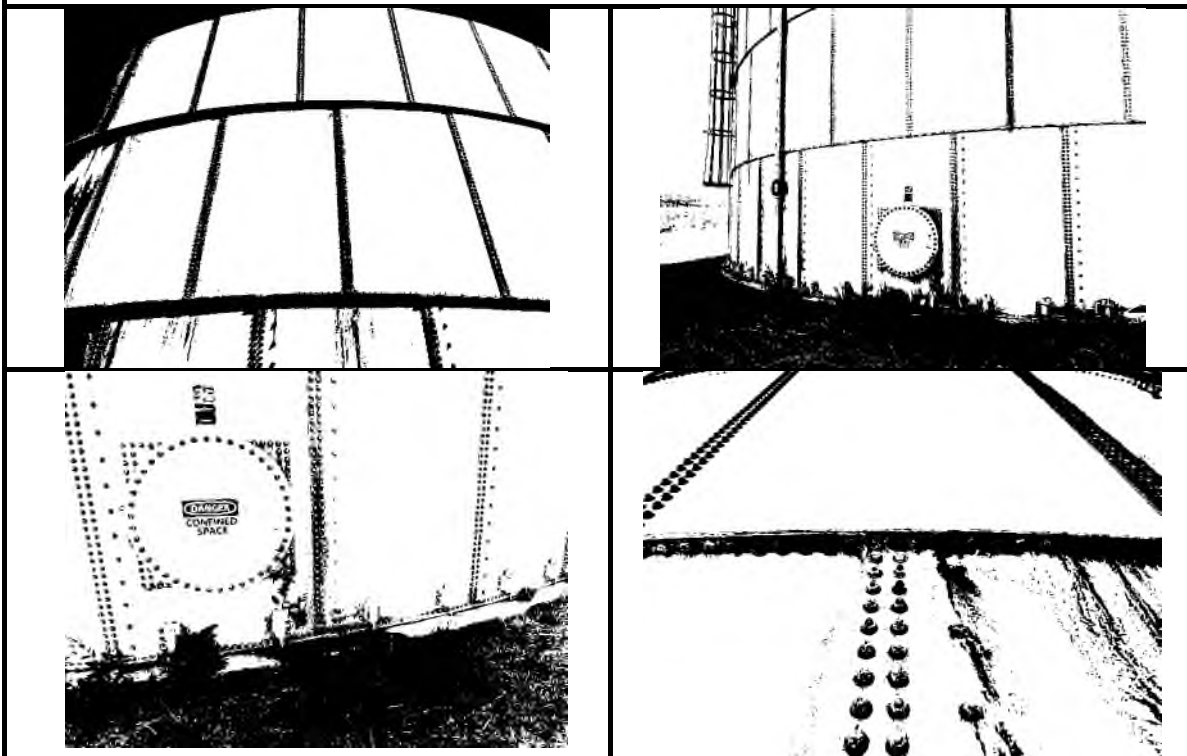
EXTERIOR COATINGS

The exterior coating is in good condition. The factory powder coating has held up well for its age and frequent exposure to leaks. Exterior coatings are typically not designed for areas of constant moisture. Despite the history of leaks, the exterior coating is in good condition with isolated areas of rust at flanges and edges. The roof coating was in very good condition at the time of the inspection. Due to the extensive historical leaks, the exterior shell is covered in mineral deposits.

A Superior Tank bolted tank crew on site a few weeks prior to the inspection to attempt to address the leaks. The crew was able to seal all active leaks during their visit, however, a few days later, several leaks reappeared. At the time of the tank inspection, there were 4-6 active leaks present at the bottom and fist chime areas.

It is recommended to monitor the exterior for deterioration and perform spot repairs are needed. To improve aesthetics, the exterior could be cleaned and overcoated.

Exterior Example Photos:



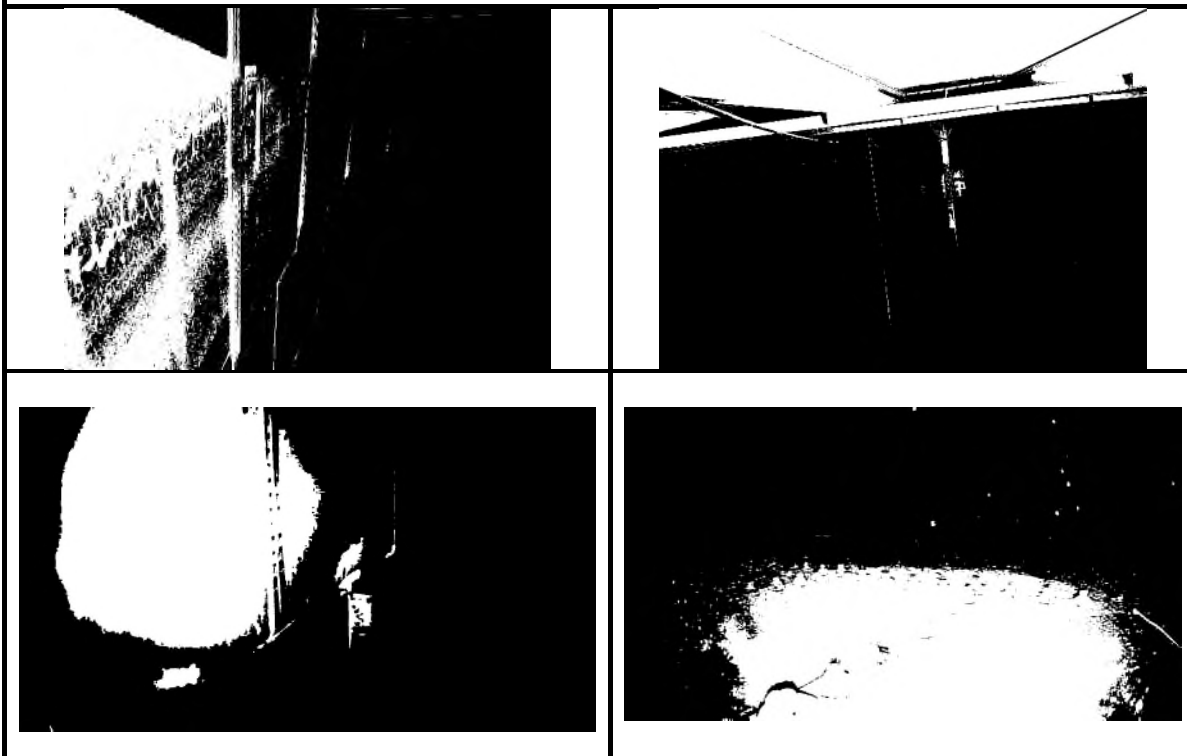
INTERIOR CONDITION AND COATINGS

The interior factory applied coating system is in fair condition. The coating system appears to be a zinc primer with 1-2 coating or FBE. The coating appears to be well intact with sporadic isolated rust sites. The shell below the high-water line is stained and the fluctuating water line area is coated in a thick layer of oil debris. The floor coating could not be inspected due to the layer of deposits covering the floor. However, no signs of large rust nodules were evident below the sediment and based on the condition of the interior coating in general, it can be assumed the floor is similarly in good condition.

In tanks of a similar age and coating system, deterioration of the topcoat epoxy systems is common. This becomes apparent when the surfaces are rubbed or washed and the top epoxy coats comes off, exposing the green zinc primer.

It is recommended to wash the interior to remove the oil build up and heavy staining. The interior areas of isolated rust and corrosion should be repaired and coated with 100% solids epoxy.

Interior Example Photos:



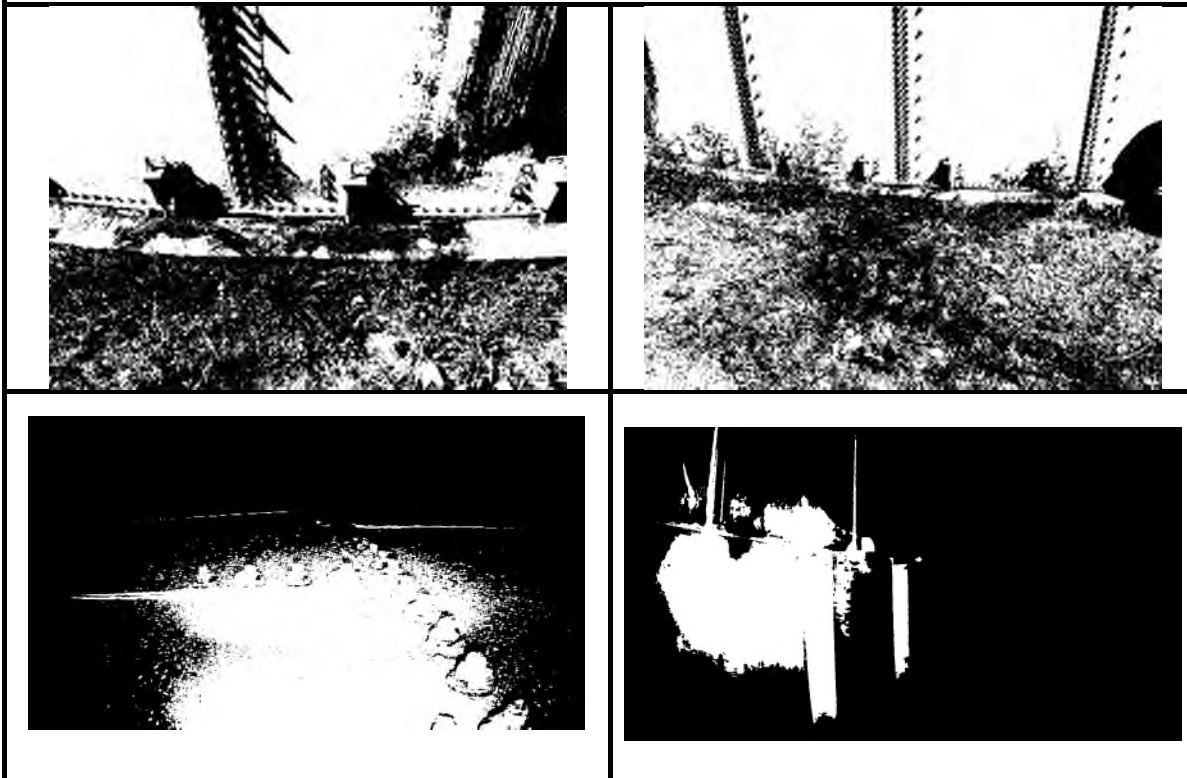
DEFICIENCIES/CONCERNS

Corrosion:

- a. Corrosion is limited on the tank interior or exterior. Isolated coating failures on the interior are corroding, isolated areas on exterior edges are corroding, and the floor hardware is corroding.
- b. Corrosion is most prevalent on the floor hardware. The floor hardware is galvanized and most of the rust nodules and corrosion appear to be primarily attacking the galvanizing. Despite this, the hardware is not compromised but if the corrosion continues and the CP isn't maintained, the corrosion will compromise the hardware in the future.

*the structural observations and recommendations are based on the limited information present and not intended or qualified as a re-certification or fit-for-service evaluation.

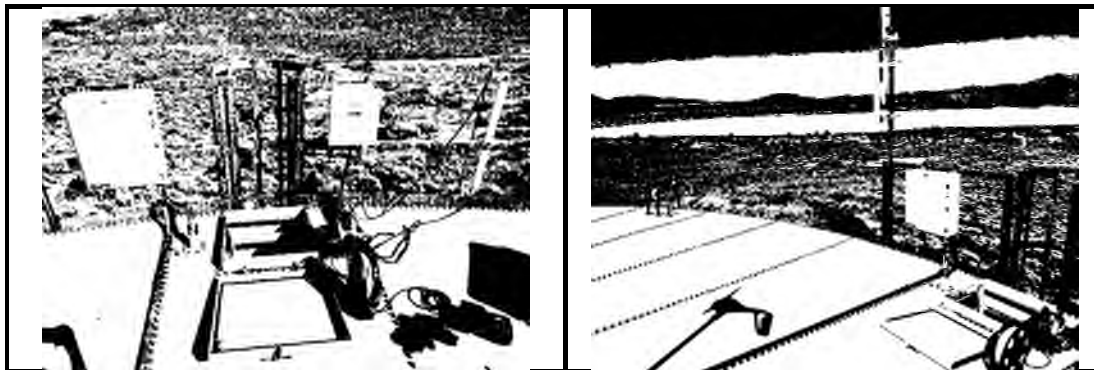
Deficiency Example Photos:



RECOMMENDATIONS AND COMMENTS

Roof Railing - Roof railing is compliant however it does not extend very far to either side, providing very limited protection. Additionally, there is no gate at the roof access.

It is recommended to install railing in each direction (4' to the right and 15-20' to the left) to include the LLI enclosed pulley system and add a self-closing gate between the two sections of roof railing.



Tie off Points - There are no OSHA compliant anchor points or safe area for works to access the roof and appurtenances.

It is recommended to install OSHA compliant tie-off points across the roof.

Roof Vent - The single center vent is not compliant. The vent hood is resting on the throat flange and secured with screws. There is a vent horizontally across the vent throat. This design is not compliant and dangerous because air flow is greatly restricted. If the tank cannot suck air in and push air out, the potential for the tank to implode or explode exists.

It is recommended to replace the vent center vent with a better design and to add additional vents for increased ventilation.



Shell Manways – The tank has two bolted shell manways located opposite each other on the first ring.

Exterior Access Ladder - The access ladder begins at grade and has a cage and locking ladder gate.

It is recommended to install a fall arrest system to meet OSHA compliance for ladders 24' and taller, to replace the drop down ladder gate with a swing style gate, and to add traction tape to the rungs per OSHA.

Interior Ladder - The interior ladder does not meet OSHA compliance. The ladder is structurally in fair condition with areas of corrosion around connection points and hardware. However, the ladder design and spacing does not meet OSHA 1910 design criteria and there no fall arrest system present.

It is recommended to install a fall arrest system to meet OSHA compliance for ladders 24' and taller and to replace the ladder with a complaint design, either FBE coated or FRP.

Foundation/Anchors - The concrete ring and anchors appear to be in good condition. However, minor rust and some surface corrosion was located on some of the anchor assemblies.

Cathodic Protection – The tank has a galvanic (sacrificial) cathodic protection system. The test station is located on the tank roof and the system is vertical design. None of the roof plates were loose at the time of the inspection and the test station read outs were good. The anode bars appeared to be in fair condition as well with moderate material loss and minimal passivation.

It is recommended to install grommets on the CP roof handholes, make sure the floor has continuity, and professionally service the system annually.



LLI – The level indicator is in good condition currently functioning properly. The decals are faded.

Overflow – The tank has an external overflow. The overflow goes below grade and terminates away from the tank site.

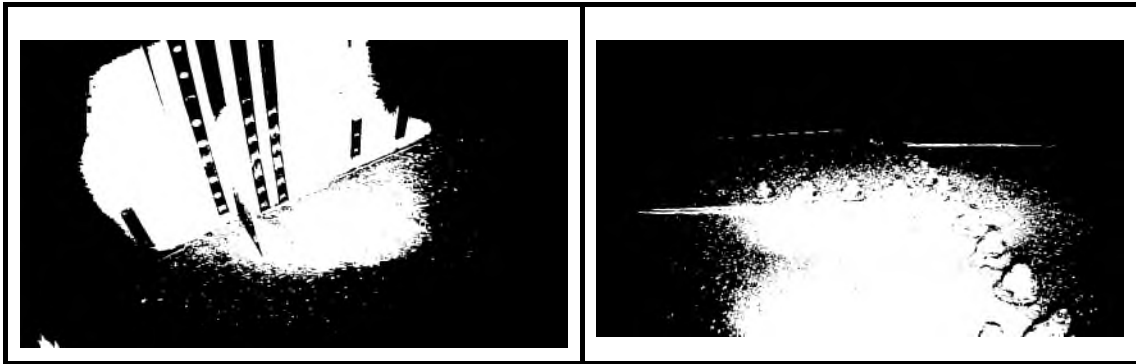
It is recommended to install an air gap for backflow prevention on the overflow.

Roof Hatch – The tank roof hatch is compliant and in good condition. At the time of the inspection, the hatch was locked, and a gasket was located on the roof hatch lid.

Roof Structure – The roof structure appears to be in good condition from the limited information available. Isolated areas of rust were noted on edges and connection points.

HARDWARE – All the hardware on the tank is galvanized, no encapsulated hardware is present. The hardware on the shell and roof is in good condition with minor areas of rust. The floor hardware is rusting and corroding to varying degrees.

It is recommended to protect the interior floor hardware by installing encapsulated nuts or through coating.



SUMMARY AND COMMENTS

The interior and exterior coating systems are in surprisingly good condition given the age of the tank, history, and persistent leaks. Isolated areas of rust are present throughout the interior and varying degrees of rust/corrosion are present on the floor hardware. The oil build up at the fluctuating water line and deposits on the floor should be cleaned and removed. The coatings on the tank floor couldn't be assessed due to the deposits in the tank. The exterior coating is in good condition but covered in mineral deposits from past leaks. The major concern is the ongoing leak issues and resulting regulatory non-compliance. Additionally, there are also several deficiencies that must be remediated. The highest priority repair should be the vent and lack of air flow, which could result in the tank imploding.

PRIMARY RECOMMENDATIONS – Upgrades and repairs required to maintain structural integrity, remain in service or meet regulatory compliance:

- Washout the tank interior to remove the oil and deposits and perform coating repairs.
- Seal the exterior shell leaks.
- Install a fall arrest system on the exterior ladder.
- Install a self-closing gate at the top of the exterior ladder.
- Install tie off points on the tank roof near openings and areas of activity.
- Replace the roof vent or find a way to lift the hood off the vent to allow air flow.
- Install an air gap in the overflow.
- Replace the interior ladder with an OSHA compliant FRP or FBE ladder.
- Install a fall arrest system on the interior ladder.

SECONDARY RECOMMENDATIONS – Upgrades and repairs recommended by AWWA or as best practices:

- Prep and overcoat the exterior once the leaks have been stopped.
- Replace the drop-down ladder gate with a full door swing style locking gate.
- Install traction tape on the exterior ladder rungs.
- Add auxiliary roof vents.
- Install a seismic coupling on the tank inlet/outlet.
- Extend the roof railing to include the LLI enclosed pulley system.
- Install new decals on the LLI gauge board.
- Move the exterior ladder over so it is not in front of the roof hatch.
- Replace the floor hardware nuts with encapsulated nuts.

GENERAL MAINTENANCE RECOMMENDATIONS – Recommended ongoing and future maintenance to maintain the tank integrity, water quality and regulatory compliance:

- Per AWWA M42, washout the tank every 3-5 years depending on maintenance requirements and water quality.
- Perform annual surveys on the CP system and repair as needed. The CP is an important part of this tanks corrosion protection given the extensive amount of exposed galvanized metal on the tank interior.

LEAK REPAIR OPTIONS

The tank appears to have leaked from nearly every chime overlap on the shell at some point. At the time of the inspection, only 4-6 leaks were active, all located at the 8' chime or the floor chime. Unfortunately given the history of the tank, the leaks will never be pertinently stopped through traditional bolt tightening or caulking. Sealed leaks will continue to return due to a combination of potential factors, such as:

- Damaged gaskets.
- Poor tank erection and/or fabrication.
- Obstructions and build up between the plates from past leaks.
- Natural expansion and contraction from weather and atmospheric conditions.
- Over stressed grade 5 hardware stretching.

Given the good structural and coating condition of the tank, there are several options to address the leaks. In turn, the good condition of the tank makes most of the options extreme and costly to address a few leaks.

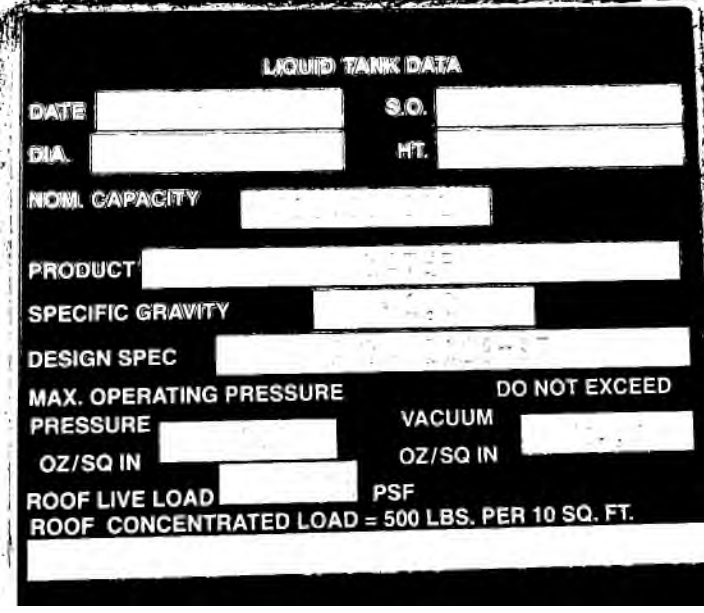
The below options are in order of the estimated cost to complete the scope (Most to Least):

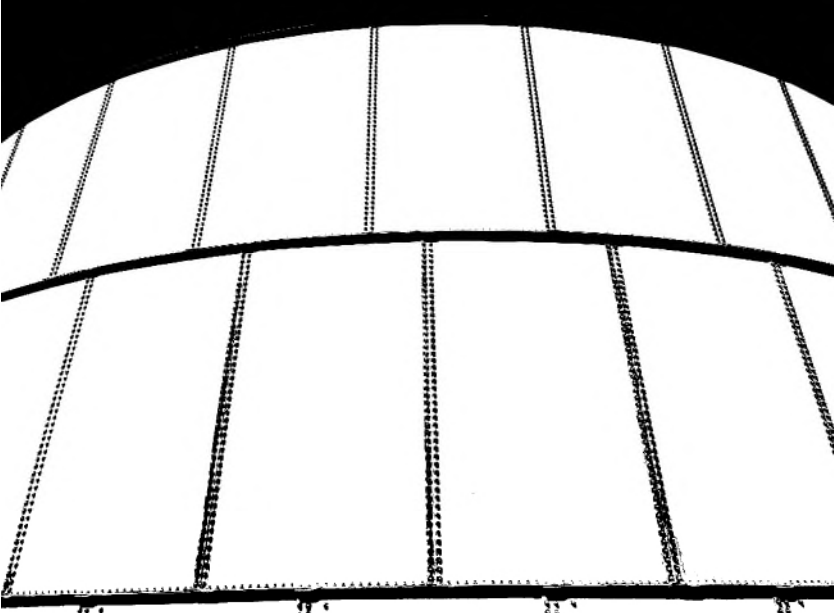
1. Demolish and Replace the tank with either new bolted or welded steel tank.
 - a. This is a sure fix and would allow the design of a new tank to meet the current need of the system.
 - b. However, this option would be by far the most expensive and take the longest.
 - c. It is not recommended give the good condition of the existing tank.
2. Perform factory rehabilitation.
 - a. This option would resolve the leak issues, bring the tank into compliance, and essentially provide a like new tank.
 - b. This option is costly, but it is a guaranteed solution and avoids most of the issues with a new tank project.
3. Disassemble and Re-erect the tank with all new gaskets and hardware.
 - a. This option is extremely labor intensive and does not guarantee a leak free tank.
 - b. Additionally, it is prone to uncovering unforeseen issues, resulting in change orders.
 - c. The above option #2 is recommended over this option.
4. Install a PVC drop in liner.
 - a. This would be a good option, but the design of this particular tank would not easily accommodate a liner. There are far too many irregular surfaces, protrusions, and edges for a liner to work without substantial preparation.
 - b. The cost of making a liner work would be too high given the tank design, making this option not economical.

5. Abrasive blast and coat the interior with a flexible ultra-high solids coating system.
 - a. Blast and coating the tank interior (at least the immersion area) has been successful in similar situations and would provide a 30+ year coating system.
 - b. However, it would require the tank to be out of service for an extended period and weather conditions could be a challenge depending on the time of year.
 - c. This option is recommended since it would resolve the leak issue and provide a new long-lasting interior coating system.

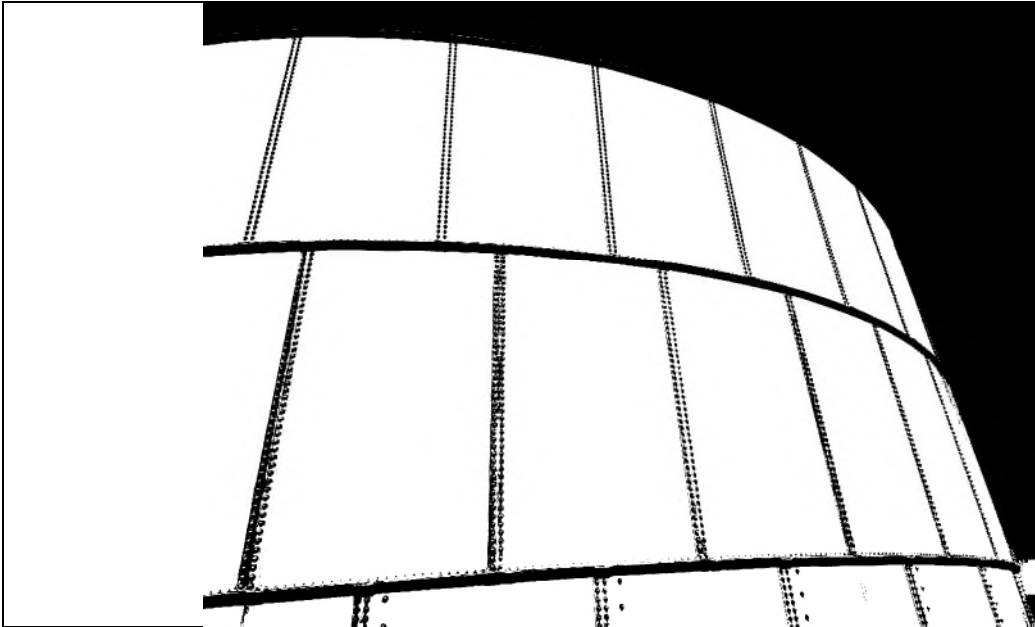
6. Spot prep the chimes and areas of concern with a surface tolerant flexible ultra-high solids coating system.
 - a. This approach is not a guarantee given how extensive the leaks are. However, it is performed on bolted tanks regularly, especially on glass lined tanks.
 - b. This approach would be the most cost effective and would bring the tank into compliance.
 - c. A concern would be how well the existing coatings hold up to a cleaning, scaffolding, and work inside the tank. Additionally, the activity inside the tank could result in more leaks if the repair procedure has any flaws.

INSPECTION PHOTOS

| | |
|--|------------|
|  | |
| Exterior | Name Plate |

| | |
|--|--|
|  | |
| Exterior | Typical shell condition with discoloration and mineral deposits from past leaks. |

Superior Tank Solutions



Exterior

Typical shell condition with discoloration and mineral deposits from past leaks.



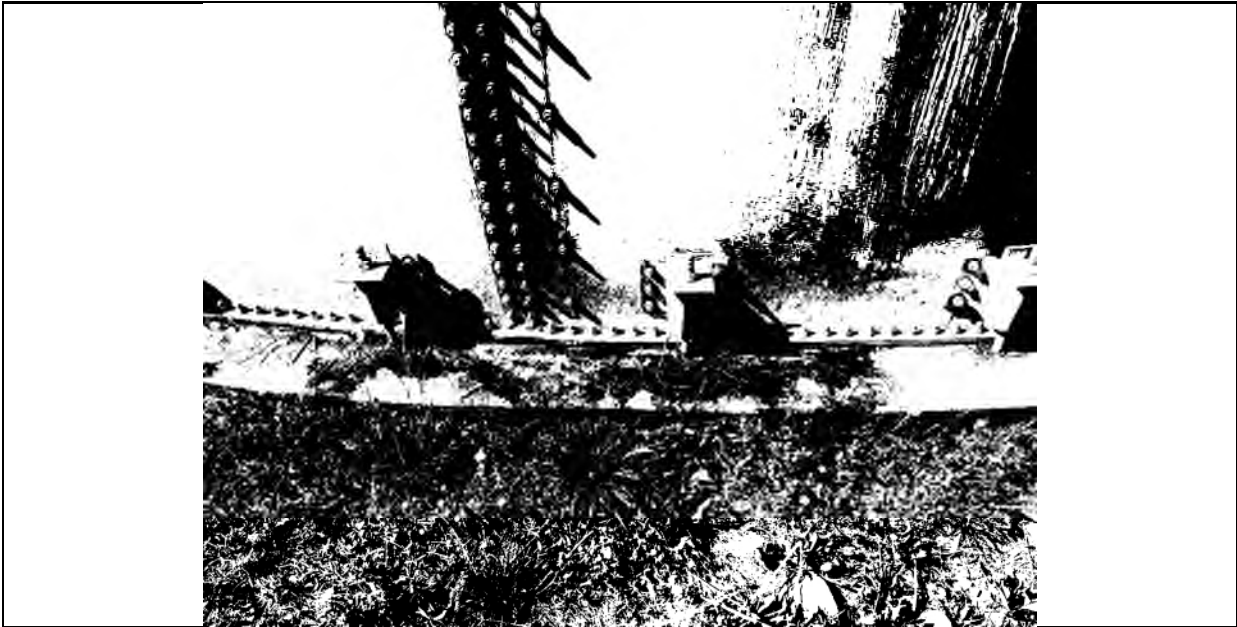
Exterior

Access ladder with drop down ladder gate, lock, and safety cage. NO fall arrest system on the exterior ladder.



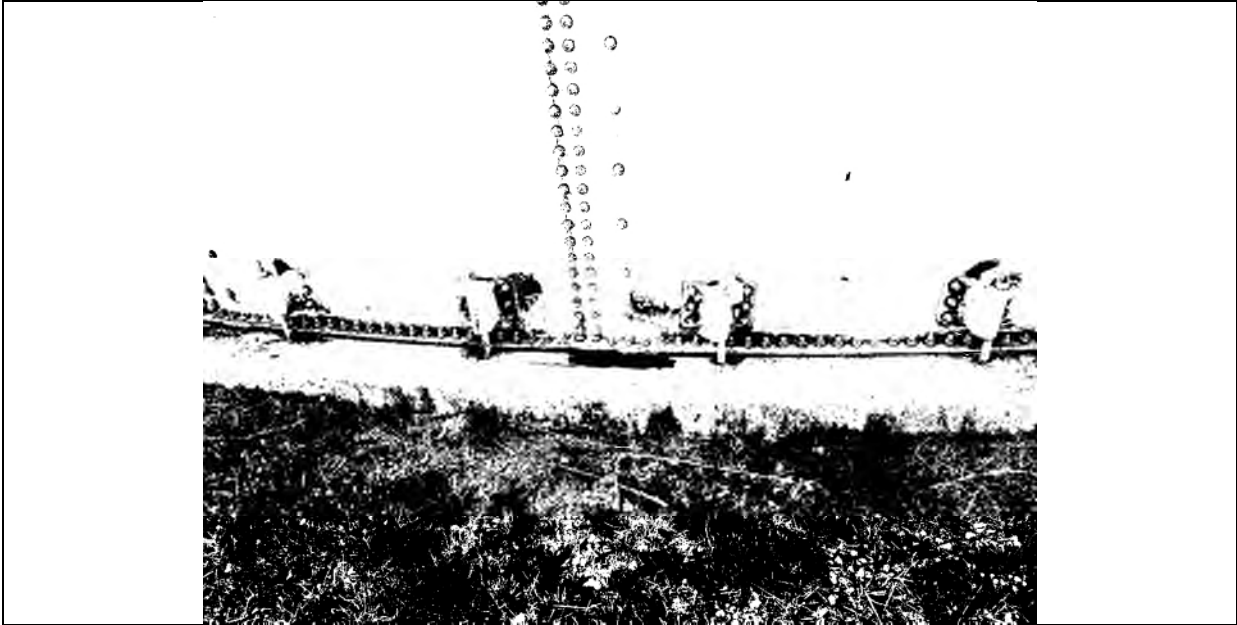
Exterior

Active leak at the floor chime

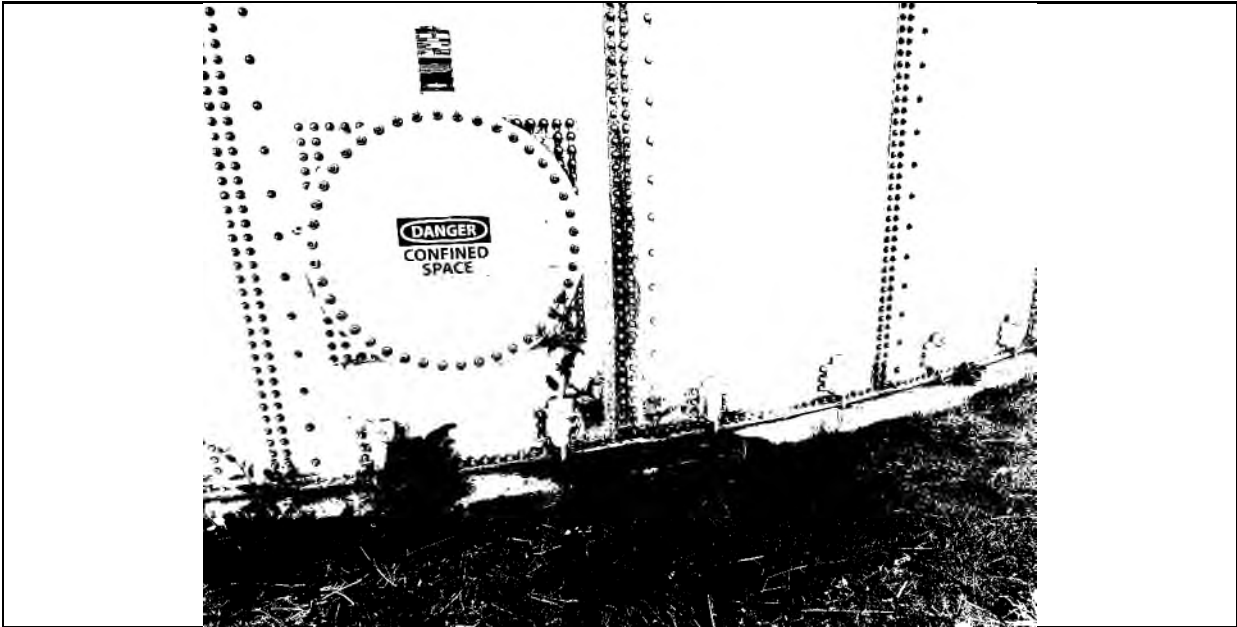


Exterior

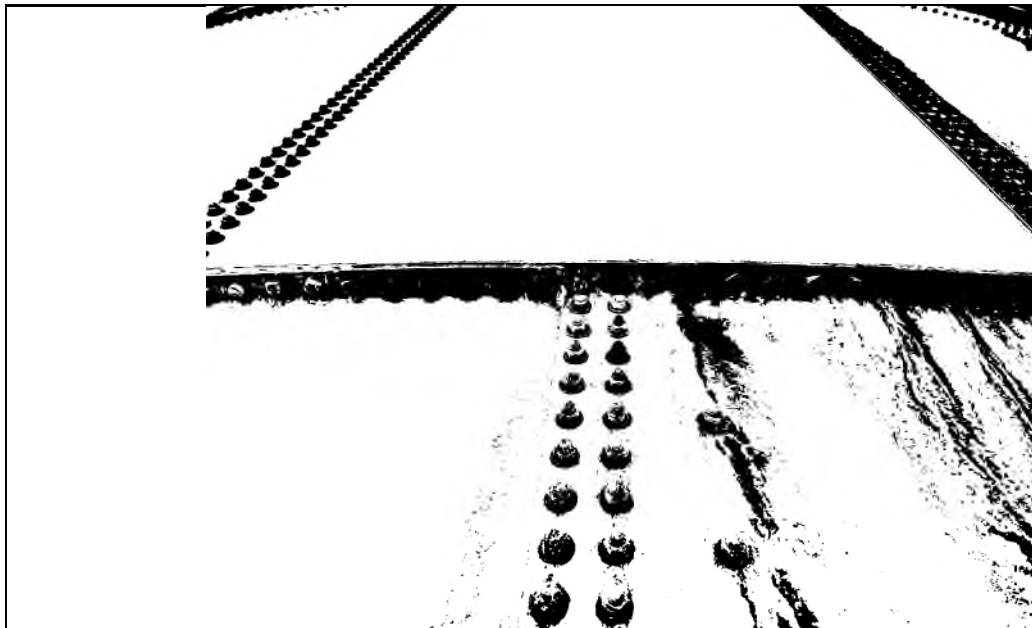
Active leak at the floor chime



| | |
|----------|--------------------------------|
| Exterior | Active leak at the floor chime |
|----------|--------------------------------|

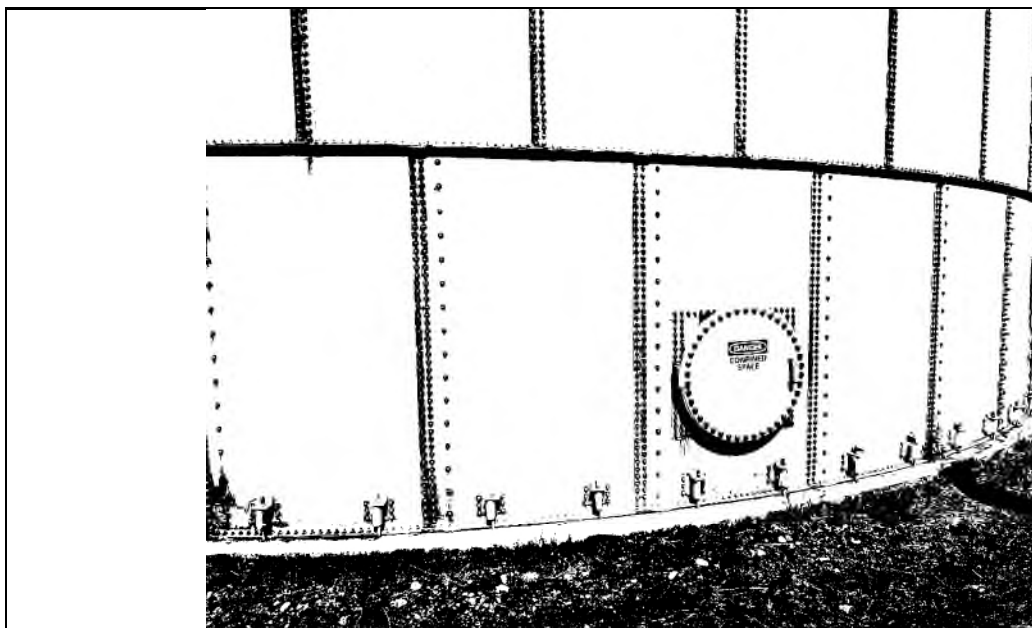


| | |
|----------|-----------------------------|
| Exterior | Active leak at the 8' chime |
|----------|-----------------------------|



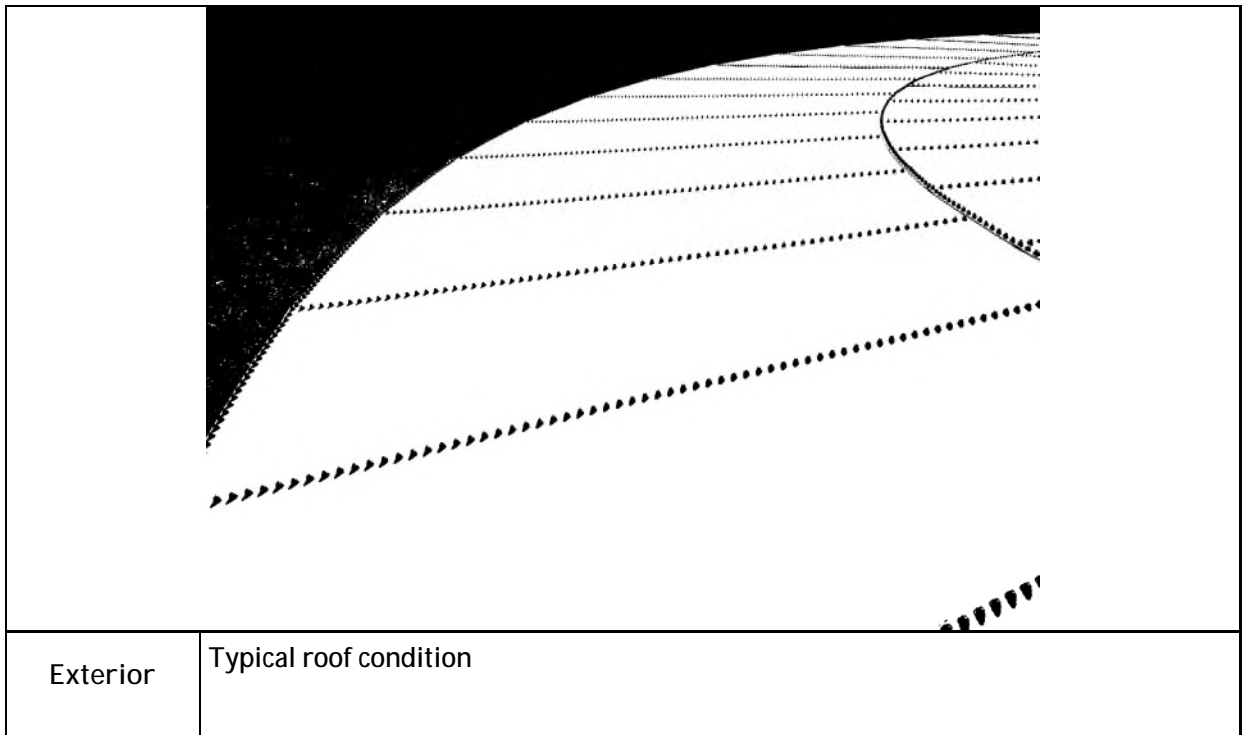
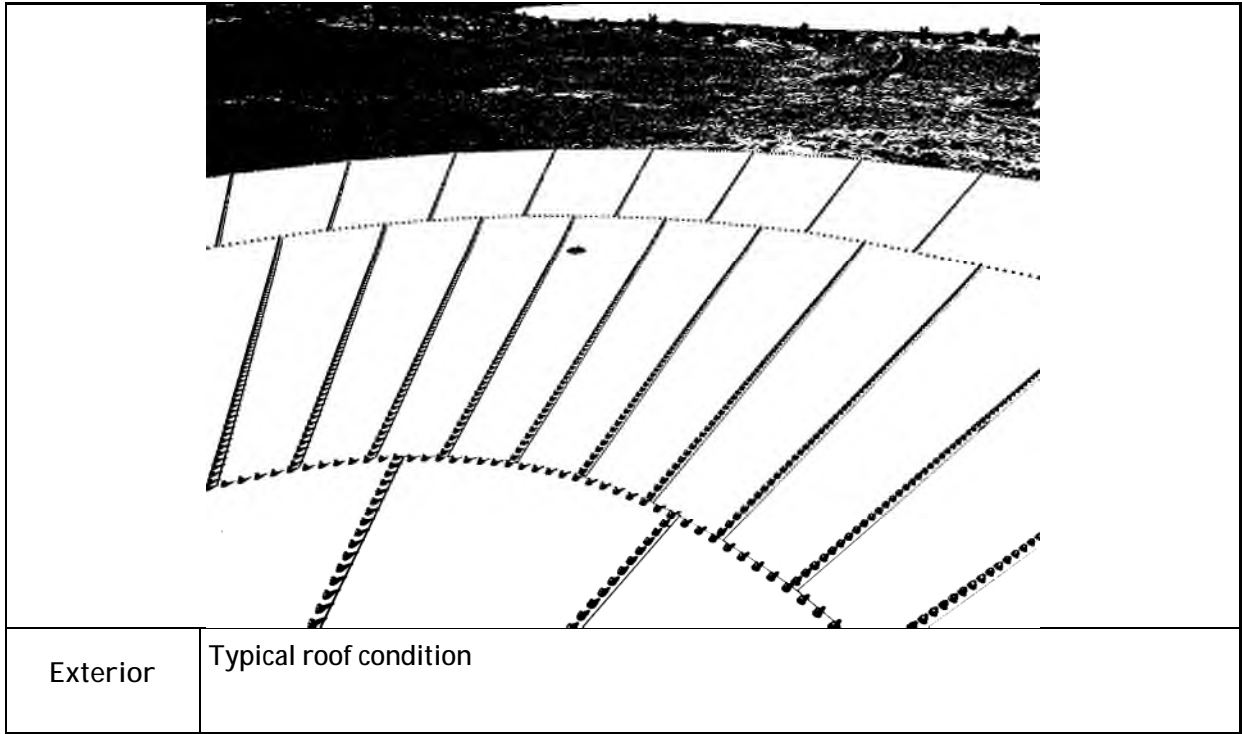
Exterior

Past area where a leak was active, resulting in a heavy buildup of mineral deposits on the tank and hardware



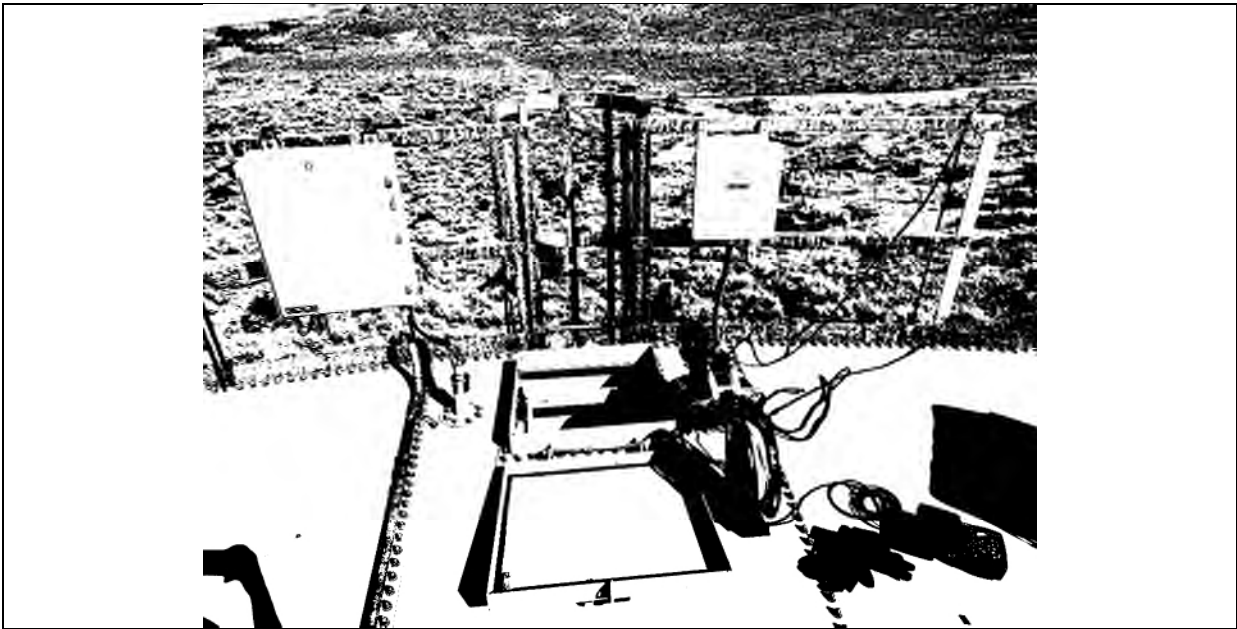
Exterior

One of two shell manways. Confined space sign is intact

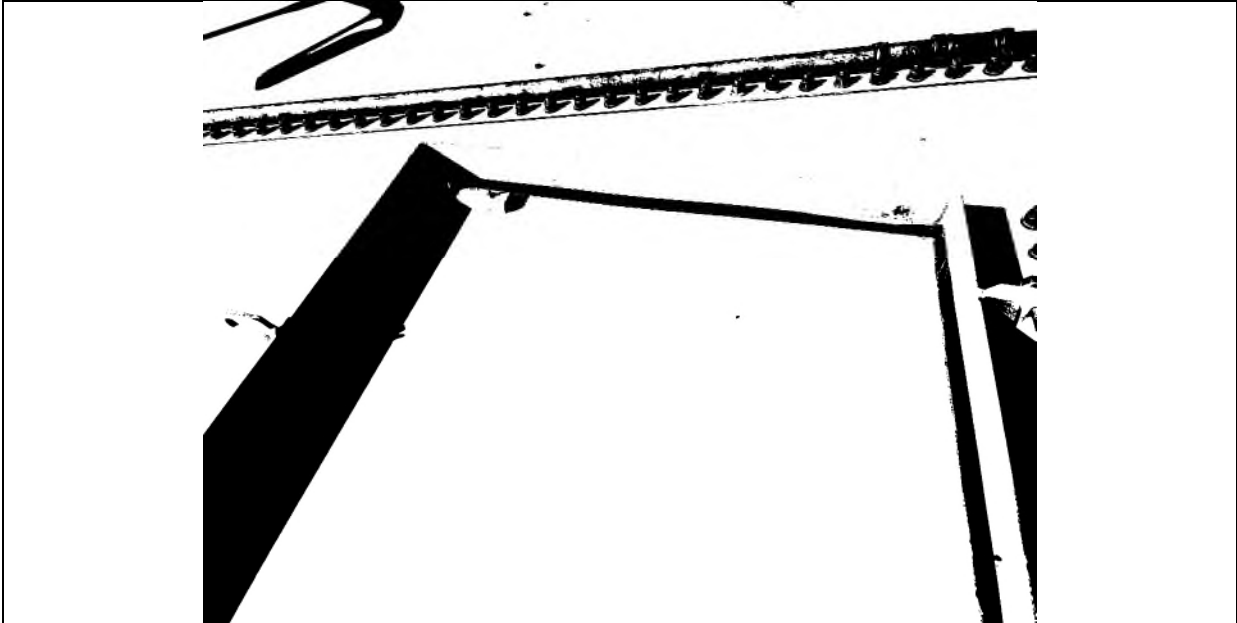




| | |
|----------|-------------------------------------|
| Exterior | Roof railing is compliant but short |
|----------|-------------------------------------|

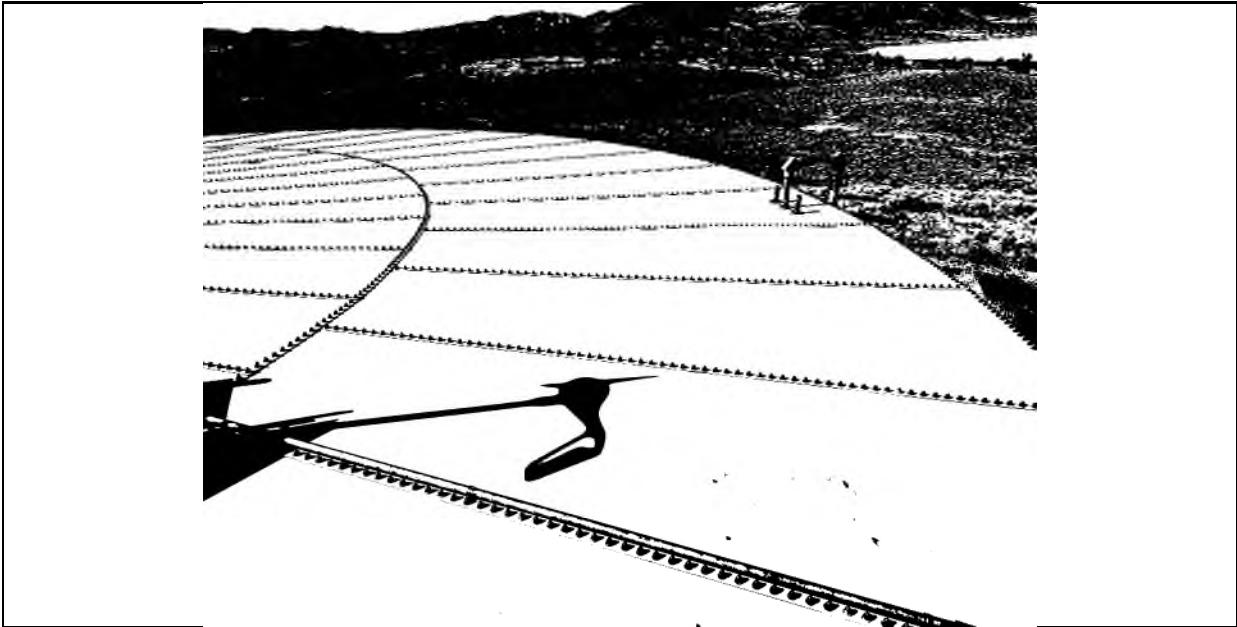


| | |
|----------|--|
| Exterior | Roof hatch in front of the access ladder |
|----------|--|



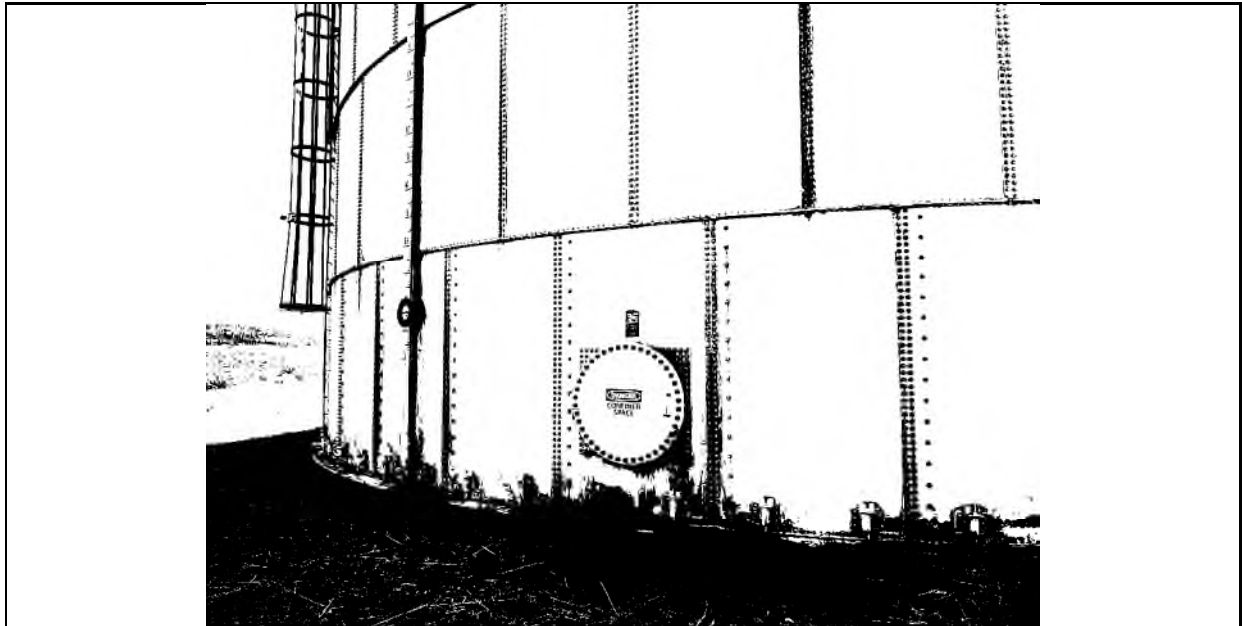
Exterior

Roof Hatch gasket on the lid



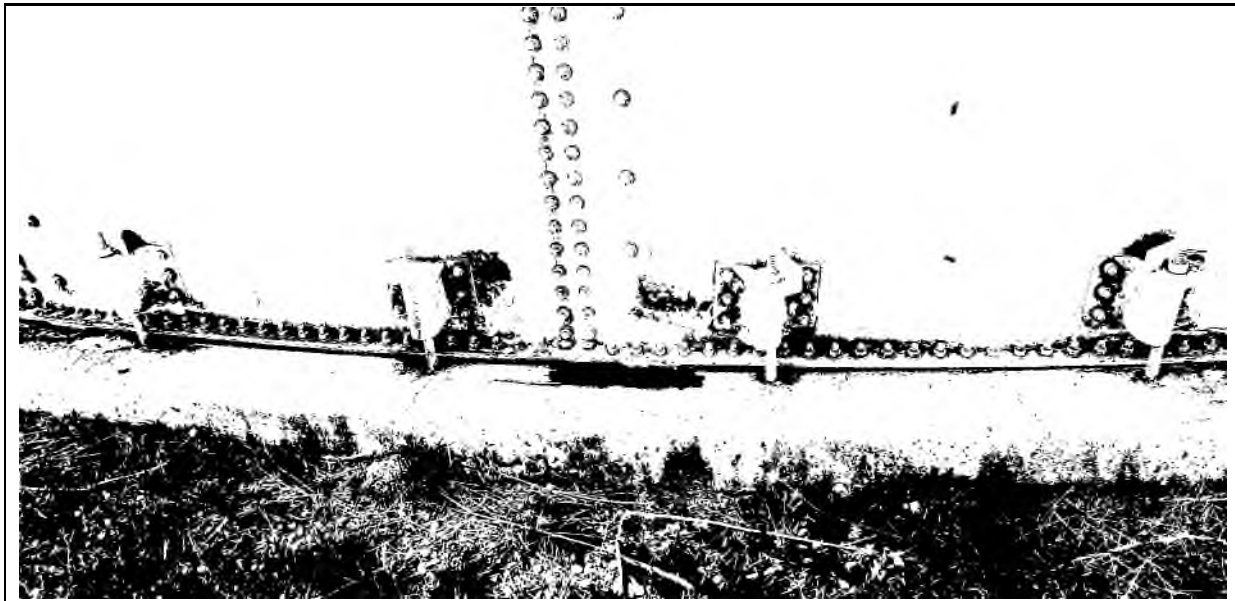
Exterior

LLI enclosed pulley system is away from the roof railing with no fall protection.



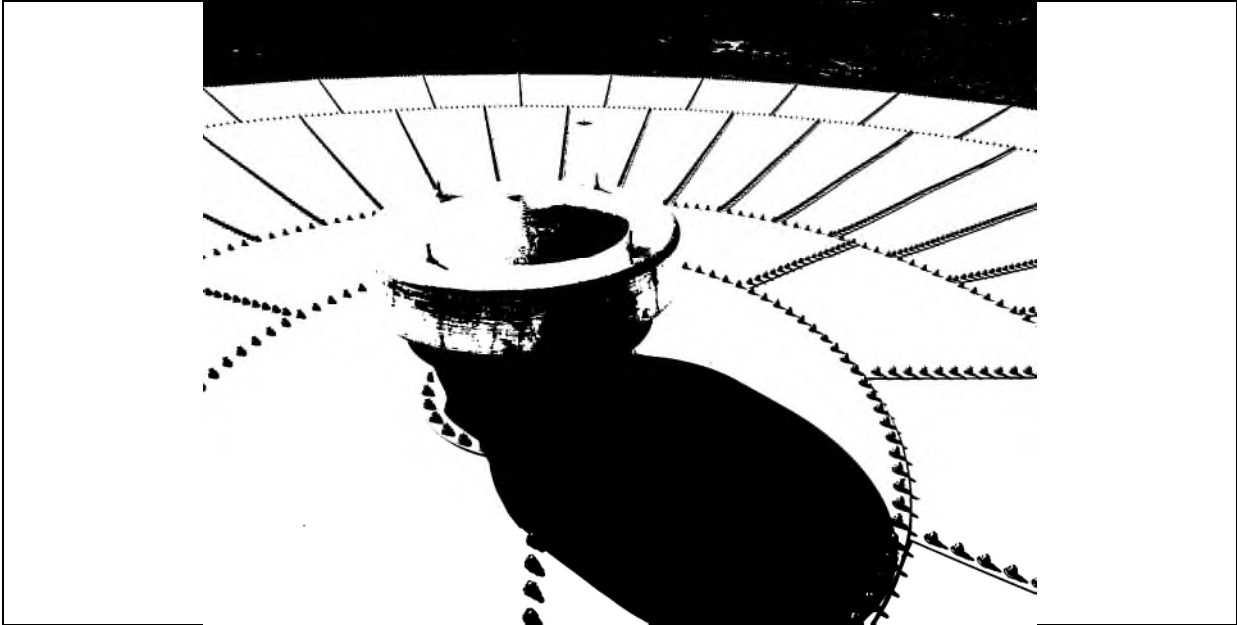
Exterior

Mineral deposits floating on the surface of the water



Exterior

Corrosion cells on the center column



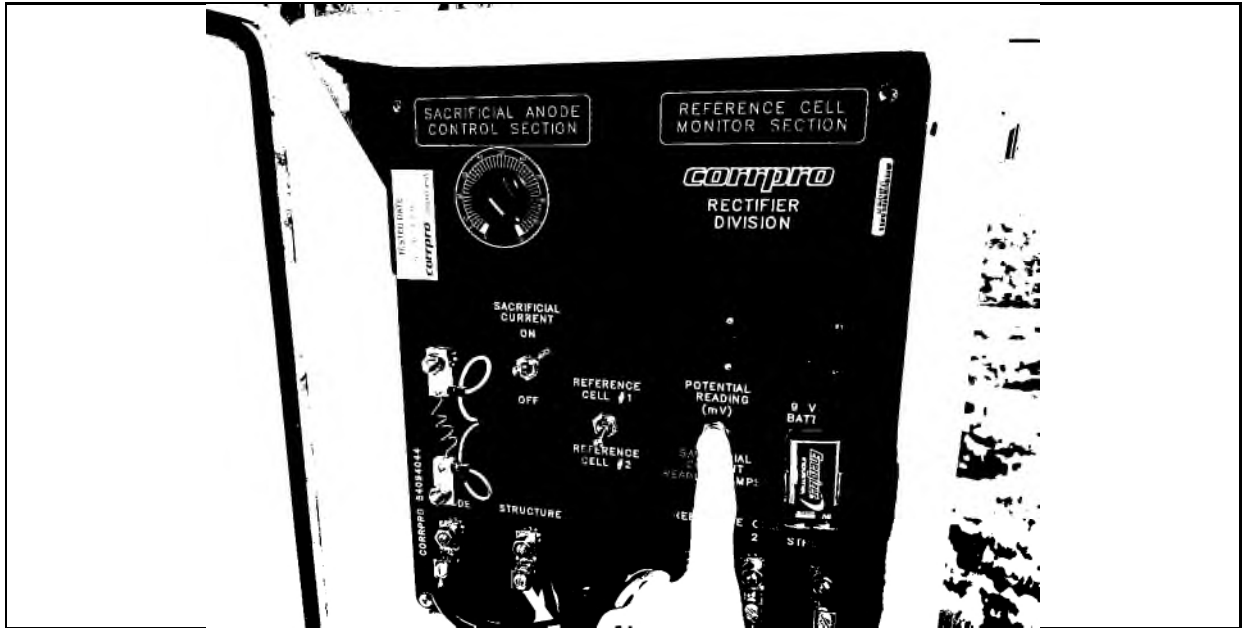
Exterior

Roof Vent with aluminum hood



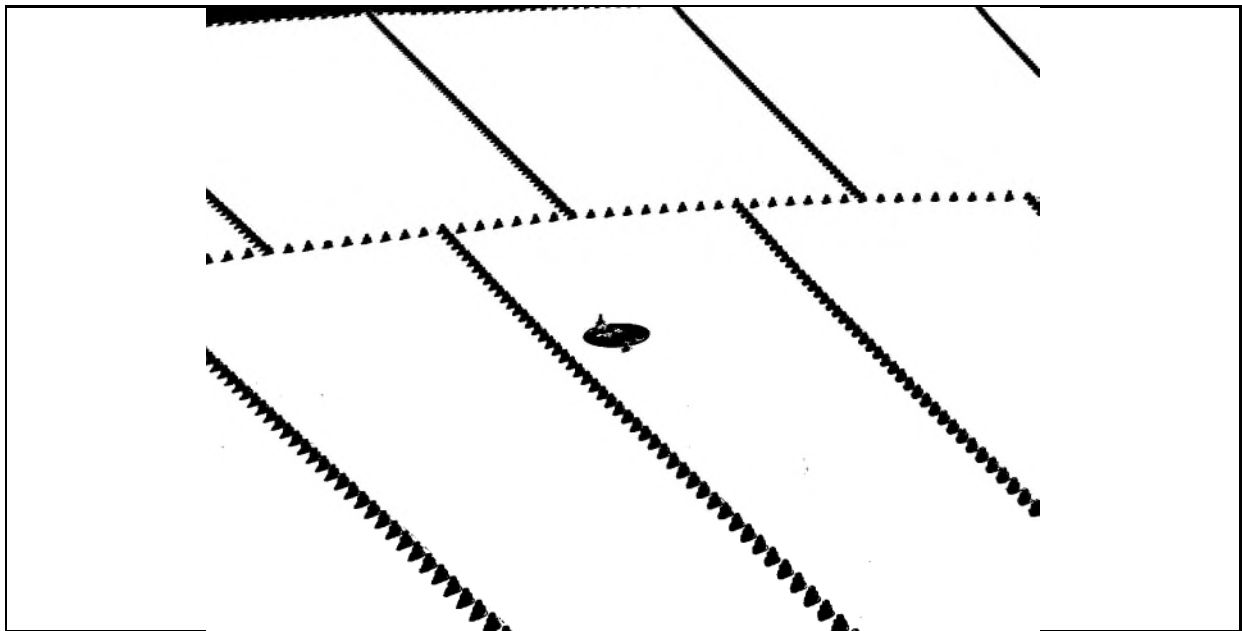
Exterior

Roof Vent – NO gap for air flow. Hood is resting on the throat flange.



Exterior

Cathodic Protection – sacrificial test station



Exterior

Cathodic Protection – roof handhole cover plate



Interior

Rafter and roof connection



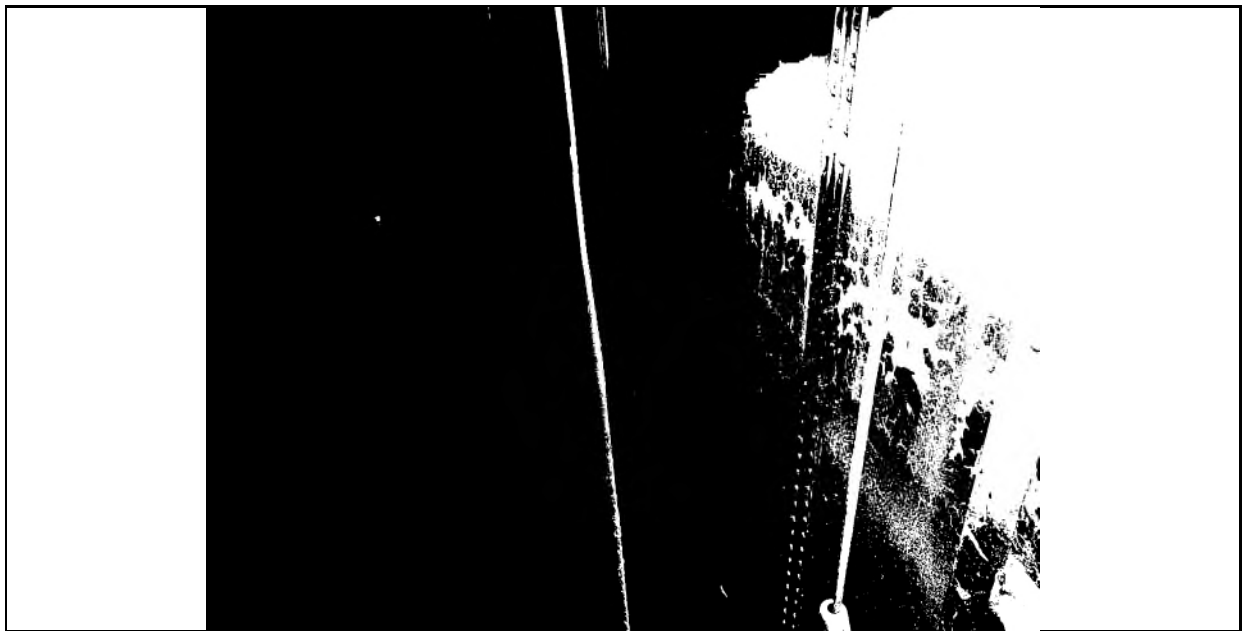
Interior

Corrosion on a rafter lower lip



Interior

Roof and rafters



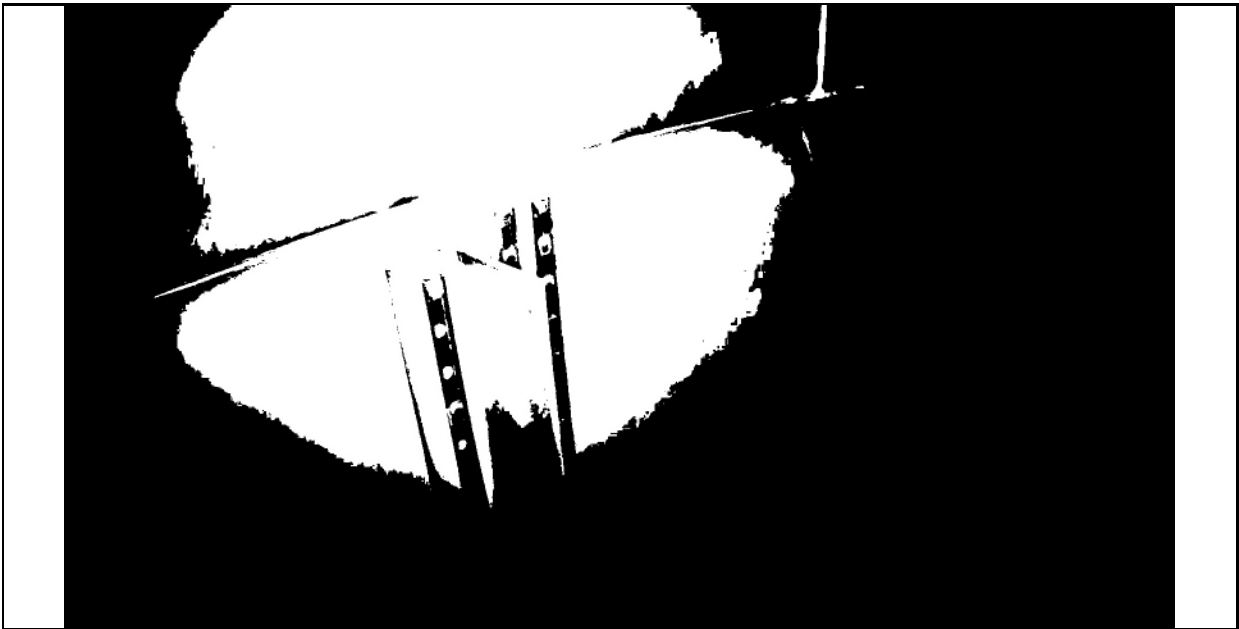
Interior

Fluctuating water line, oil build up



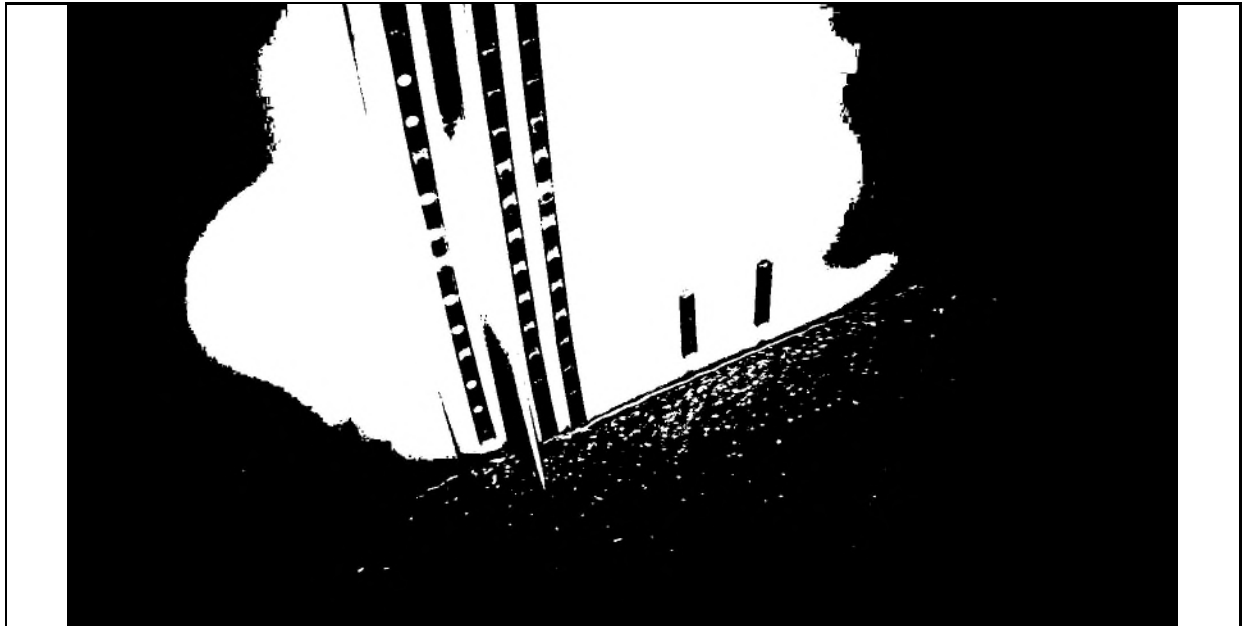
Interior

8' chime, typical shell condition.



Interior

8' chime, past diver repair



Interior

Lower shell with vertical stiffener



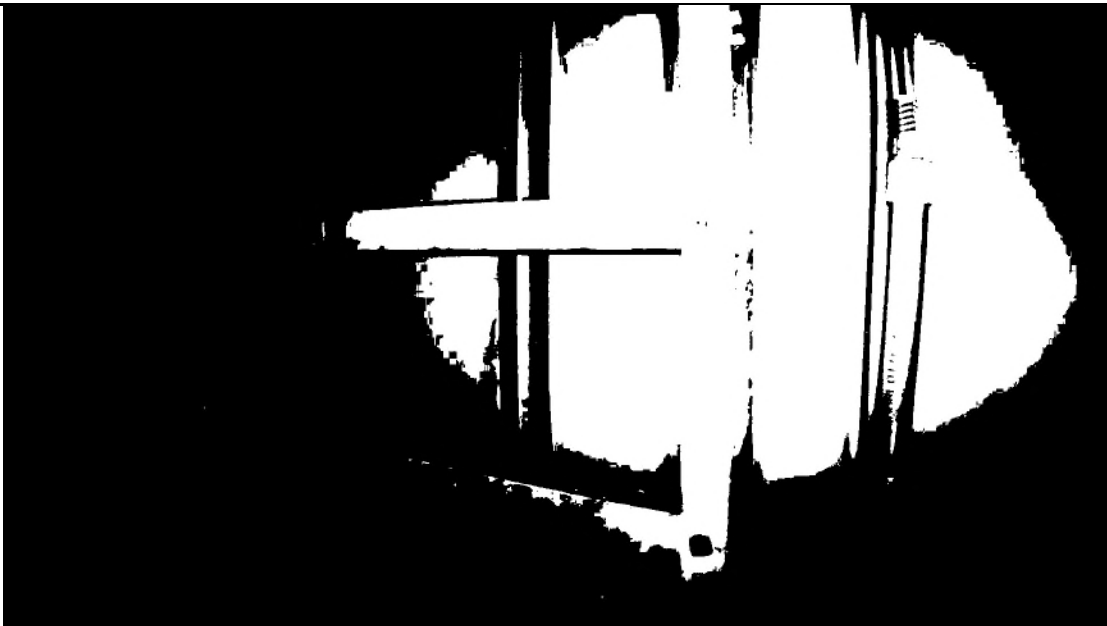
Interior

Shell to floor junction showing galvanized backer channel



Interior

Interior Ladder above the water line



Interior

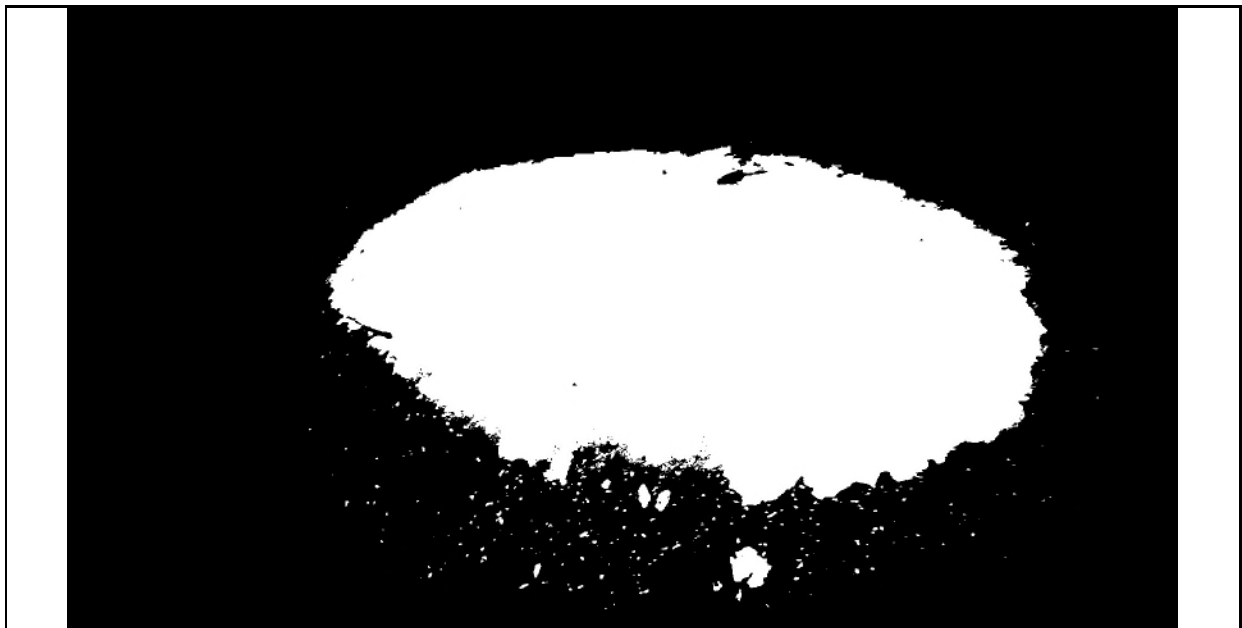
Interior Ladder below the water line.

CP reference cell.



Interior

Localized corrosion on overflow and rafter connection points



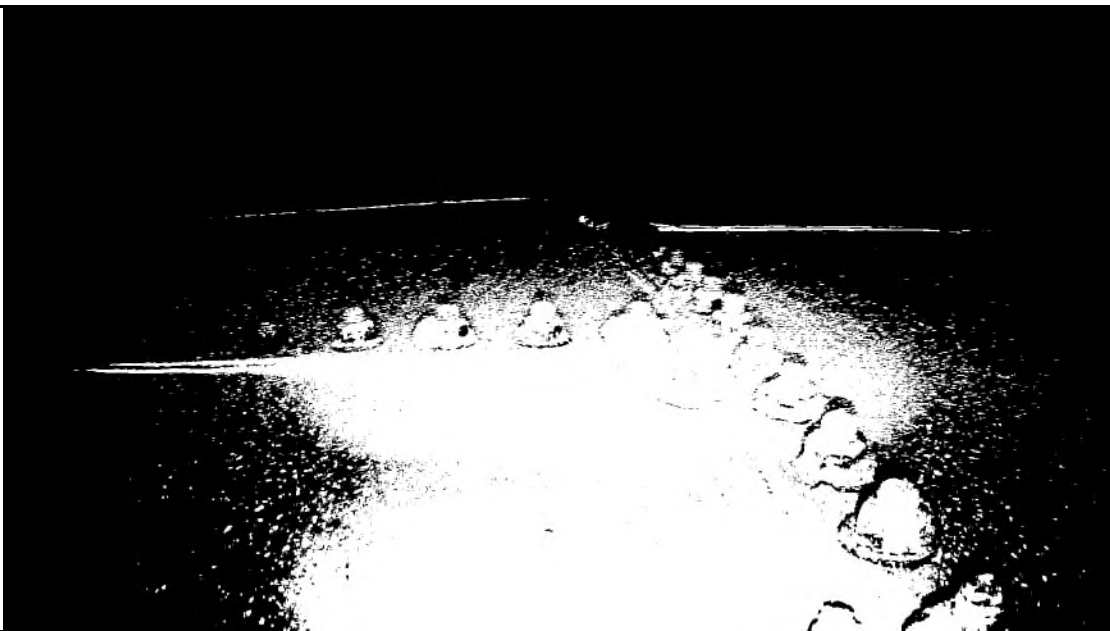
Interior

Area of exposed floor coating with epoxy top coat deteriorated exposing the zinc primer



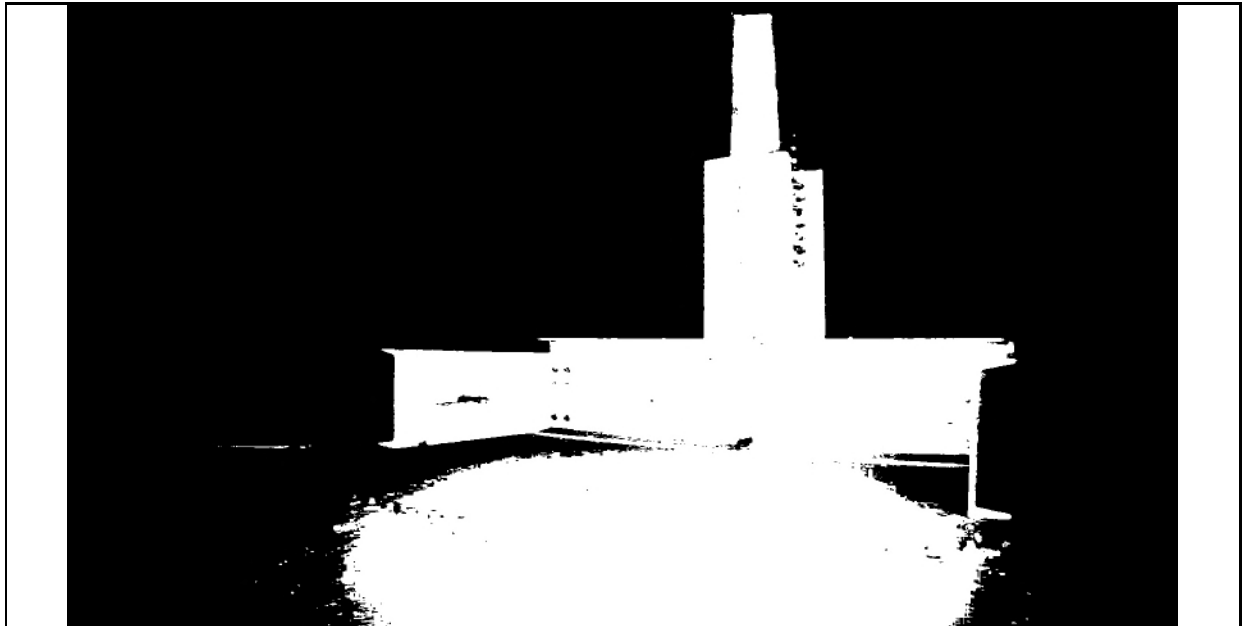
Interior

Rust and corrosion on hardware near the shell



Interior

Rust and corrosion on the hardware



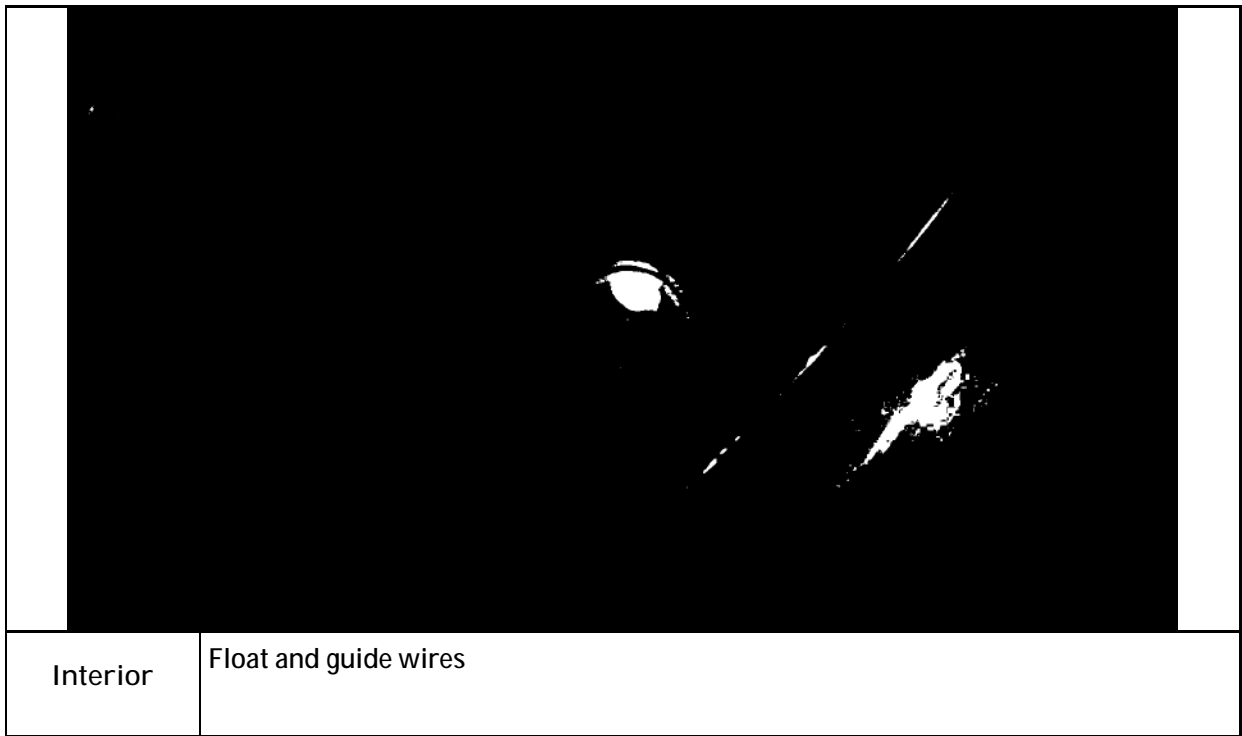
Interior

Center column base



Interior

Hardware with rust and corrosion near the center column



**Inspection Report for
Great Basin Water Company
Reno, NV**



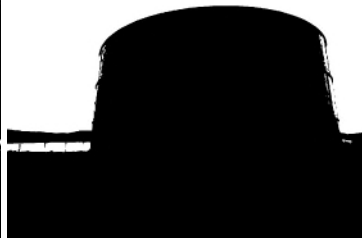
East Side



West Side



North Side



South Side

**Cold Springs
500KG Steel On-Grade
Tank #1**

Date Completed: May 14, 2019

Commercial Dive Team:

**Diver – Nico LeBlanc
Dive Controller – Cory Repasi
Tender – James Strickland**

Scope of Work:

Our team completed sediment removal using underwater vacuum equipment. Sediment depth, averaging 1/8 inch (iron & manganese), was removed from the tank floor. When the cleaning process was finished, a full visual inspection was performed of the tank interior and all interior fixtures. The team also performed a full visual inspection of the tank exterior and all attached fixtures. The details of the inspection findings are included in the report below.

Summary of the Inspection:

Exterior Inspection

1. There was good access to the tank. (In a gated area)
2. The foundation was found in good condition with minor hairline cracking noted.
3. The wall was found in good condition with minor environmental growth and heavy chalking noted.
4. The overflow was found in good condition with heavy chalking noted.
5. The manway was found secure and in good condition with heavy chalking noted.
6. The water level indicator was found in good condition.
7. The ladder was found secure, OSHA approved and in good condition.
8. The roof was found in good condition with moderate chalking noted.
9. The hatch was found locked with no gasket present and in good condition.
10. The vent was found in good condition.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now

Summary of the Inspection:

Interior Inspection

1. The interior roof was found in good condition with minor de-lamination and 0.01% uniform surface corrosion noted.
2. The ladder was found secure and in good condition with minor to moderate staining and blistering noted.
3. The overflow was found in good condition.
4. The interior wall was found in good condition with minor staining noted. The upper section of the wall has a tacky substance on it.
5. The floor was found in good condition with minor staining and 1% rust noduling noted.
6. The manways were found in good condition with moderate staining noted.
7. The common inlet/outlet was found in good condition with moderate staining, moderate to heavy blistering and 0.1% rust noduling noted.
8. The float was found in good condition.
9. The support column was found secure and in good condition with minor de-lamination, staining, blistering and 1% rust noduling noted.

Recommendations:

1. Install a gasket on the access hatch.
2. Continue to schedule a clean and inspect every 3-5 years per AWWA recommendations.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now



Inland Potable Services, Inc.

Exterior Inspection Report

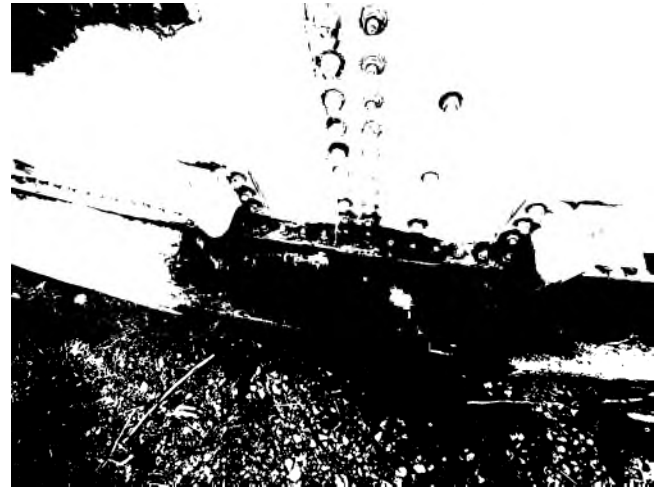


Foundation Condition

Foundation Exposed? Y N
Anchor Bolts Present? Y N
Corrosion on Anchor Bolts Present? Y N N/A
Anchor Bolts Loose? Y N N/A

Cracking Noted In Foundation? Y N N/A
Spalling Noted? Y N N/A

Summary: The foundation was found in good condition with minor hairline cracking noted.



Wall Panel Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Dents Present? Y N

Holes Present? Y N
 Signs Of Leaking? Y N

Summary: The wall was found in good condition with minor environmental growth and heavy chalking noted.

| LIQUID TANK DATA | |
|--|---------------|
| DATE | S.O. |
| DIA. | HT. |
| NOM. CAPACITY | |
| PRODUCT | |
| SPECIFIC GRAVITY | |
| DESIGN SPEC | |
| MAX. OPERATING PRESSURE | DO NOT EXCEED |
| PRESSURE | VACUUM |
| OZ/SQ IN | OZ/SQ IN |
| ROOF LIVE LOAD | PSF |
| ROOF CONCENTRATED LOAD = 500 LBS. PER 10 SQ. FT. | |

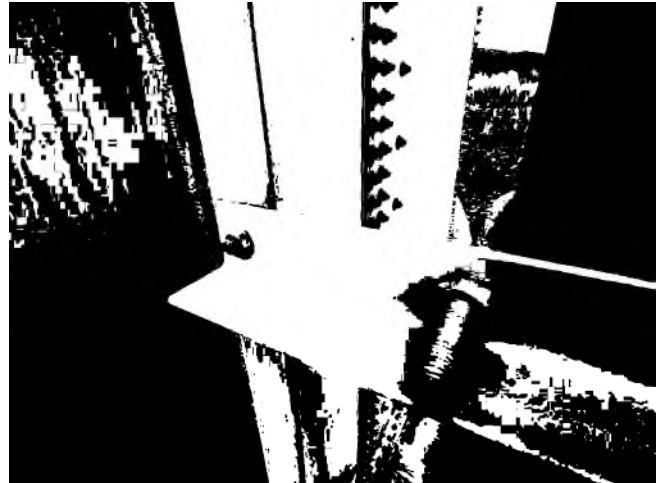


Overflow Structure Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Stand Off Supports Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Directly Connected To Sewer or Drain? Y N N/A
 End Cap Present? Y N

Hinge and Cap Condition: N/A
 #24 mesh Screen Present? Y N
 Condition: N/A

Summary: The overflow was found in good condition with heavy chalking noted and is directly connected to the storm drain.

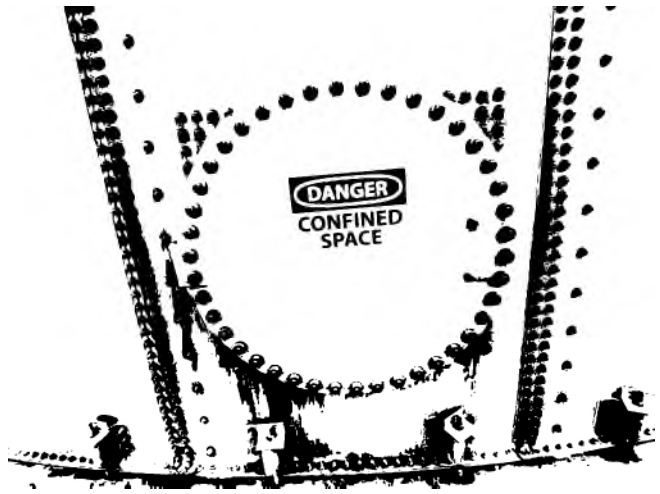


Support for overflow

Manway Condition

Coating Condition: Good
 Weld/Seam Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The manway was found secure and in good condition with heavy chalking noted.



Water Level Indicator Condition

Marker Condition: Good
 Attached & Accurate? Y N
 Marker Board Condition: Good
 Is the level reading visible? Y N
 Pulley Condition: Good
 Attached Properly? Y N

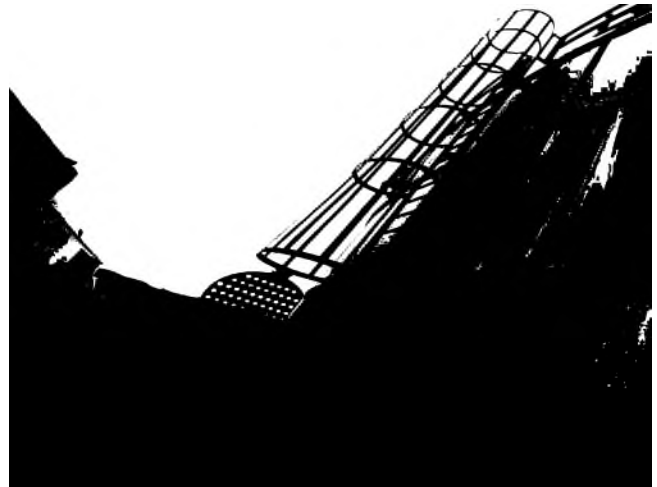
Cable Condition: Good
 Attached Properly? Y N
 Hardware Condition: Good
 Corrosion Present? Y N

Summary: The water level indicator was found in good condition.

Access Ladder Condition

Ladder Type: Steel bolted
Is Ladder and Safety Climb **OSHA** Approved? Y N
Is Vandal Guard Present? Y N
Locked? Y N N/A
Safety Climb Type: Cage
Safety Climb Condition: Good
Is Top Of Tank Easily Accessible? Y N
Coating Condition: Good
Seams/Welds Condition: Good
Stand Off Supports Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

Summary: The ladder was found secure, OSHA approved and in good condition.



Overall picture of ladder



Bottom of ladder

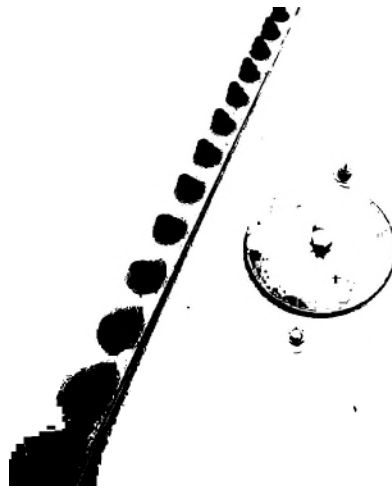


Ladder safety cage

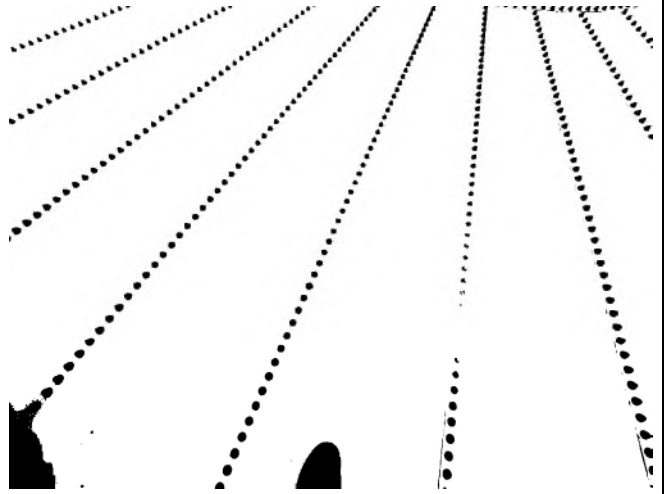
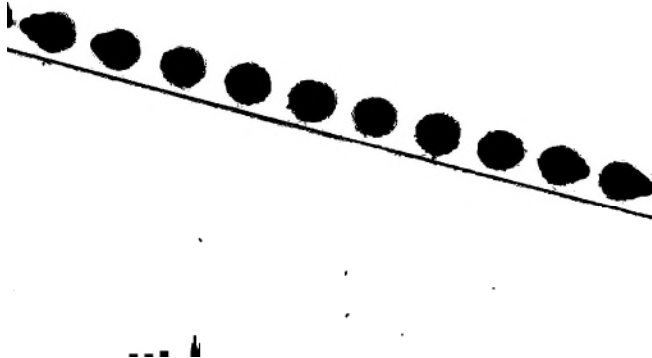
Roof Condition

Roof Type: Pitched
 Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Low Spots Present? Y N
 Holes in Roof? Y N
 Cathodic Protection Plates Present? Y N
 Sealed Edges: Y N N/A
 Loose Plates? Y N N/A
 Missing Plates? Y N N/A

Summary: The roof was found in good condition with moderate chalking noted.



Cathodic plate



Antenna on roof



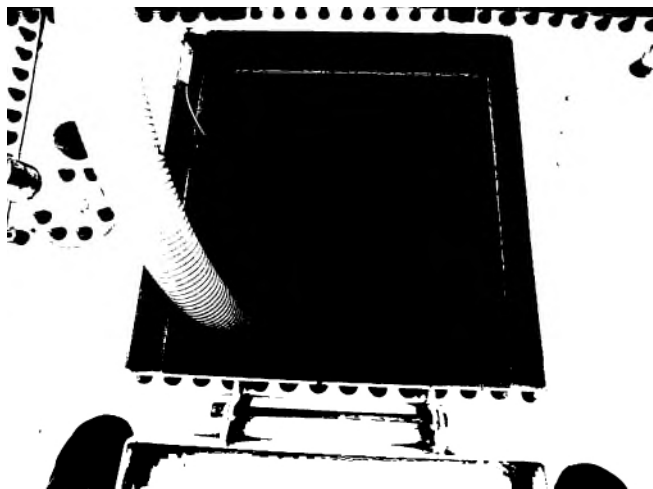
Antenna on roof

Access Hatch Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present: Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Hatch Size: 2 foot square
 Riser Height: 4 inches Lid Height: 2 inches
 Hatch Locked? Y N

Hinge Condition: Good
 Gasket Present? Y N
 Intact? Y N N/A
 Insects, Dirt Or Debris Present Under Hatch? Y N

Summary: The hatch was found locked with no gasket present and in good condition.



Hatch open



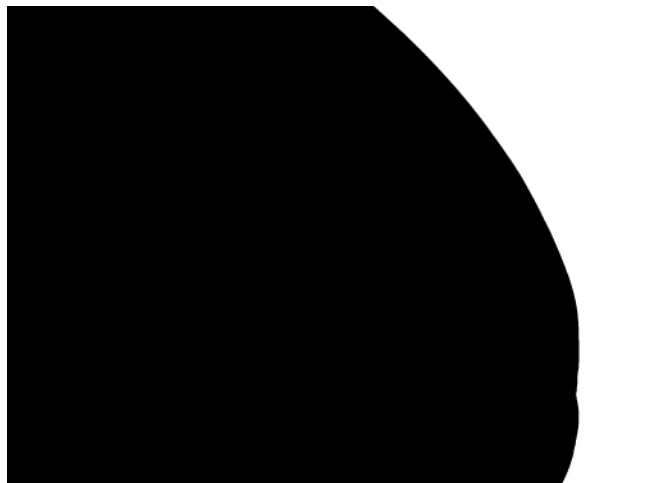
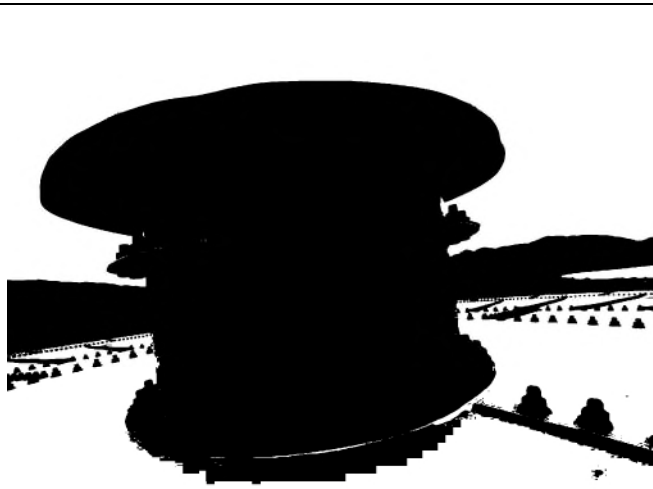
Underside of hatch lid

Vent Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present: Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

#24 Mesh Screen in Place? Y N
 Condition: Good
 All Openings Sealed? Y N
 Cap Condition: Good

Summary: The vent was found in good condition.





Inland Potable Services, Inc.

Interior Inspection Report

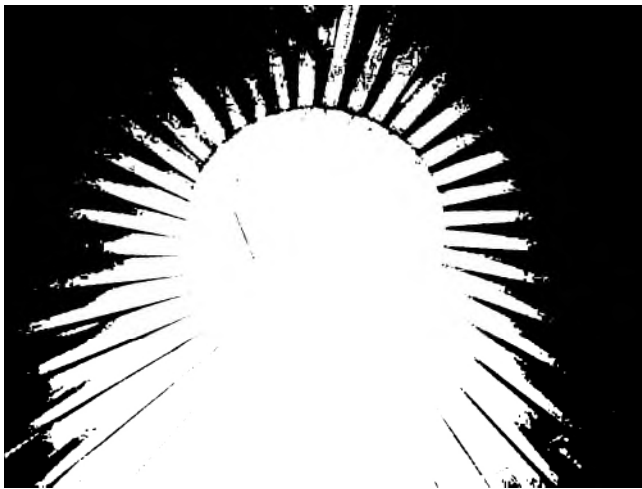


Roof Condition

Coating Condition: Good
Welds/seam Condition: Good
Corrosion Present On Panels? Y N
Oxidation Present? Y N

De-lamination Present? Y N

Summary: The interior roof was found in good condition with minor de-lamination and 0.01% uniform surface corrosion noted.



Overall view



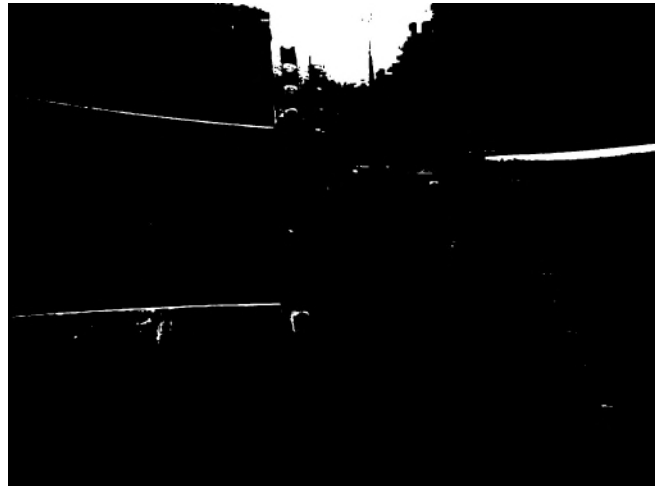
Cathodic protection

Ladder Condition

Ladder Location: 12 o'clock
Coating Condition: Good
Weld/Seam Condition: Good
Supports Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N

De-lamination Present? Y N

Summary: The ladder was found secure and in good condition with minor to moderate staining and blistering noted.



Ladder support

Overflow Condition

Overflow Location: 5:30 o'clock
Coating Condition: Good
Weld/Seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

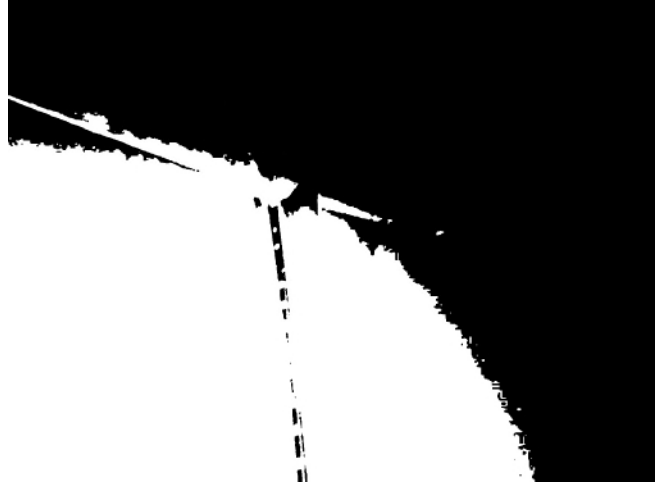
Summary: The overflow was found in good condition.



Wall Panel Condition

Coating Condition: Good
Welds/seam Condition: Good
Corrosion Present On Panel? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Is Biofilm Present: Y N
Any irregularities or structural deficiencies? Y N

Summary: The interior wall was found in good condition with minor staining noted. The upper section of the wall has a tacky substance on it.



Floor Condition

Coating Condition: Good
Welds/seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Sediment Depth: 1/8 inch
Any irregularities or structural deficiencies? Y N

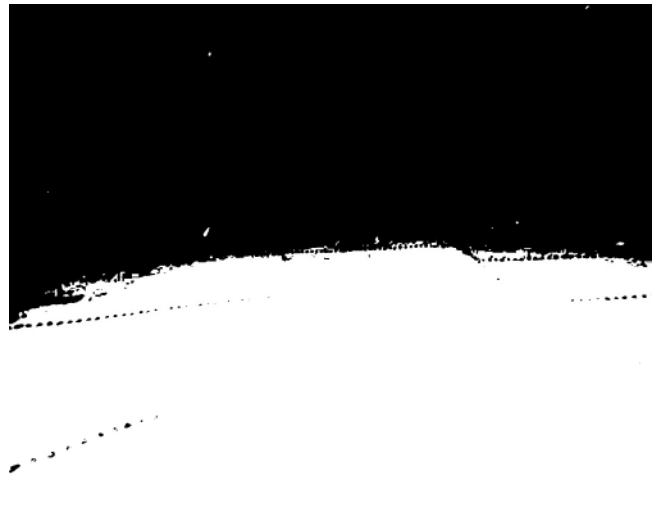
Summary: The floor was found in good condition with minor staining and 1% rust noduling noted.



Floor to wall seam



Rust noduling on bolts



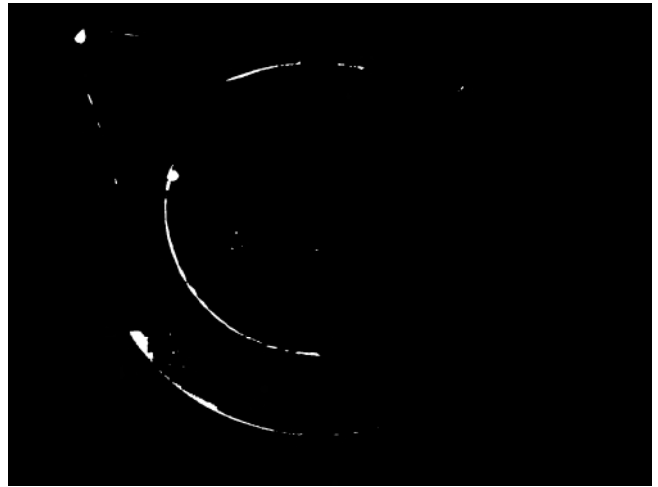
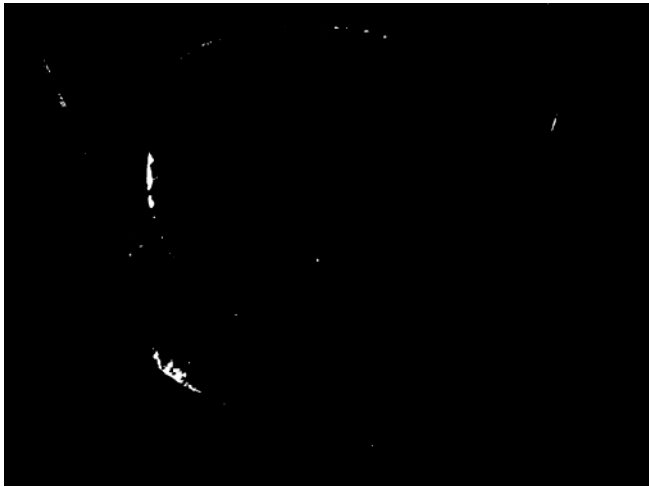
Rust noduling on bolts

Manway Condition

Manway Location(s): 4 o'clock & 10 o'clock
Coating Condition: Both Good
Weld/Seam Condition: Both Good
Corrosion Present? Y N
Oxidation Present? Y N

De-lamination Present? Y N

Summary: The manways were found in good condition with moderate staining noted.



Inlet and Outlet Condition

Common Inlet/Outlet? Y N Location: 6 o'clock
If Separate:
Outlet Location: N/A
Inlet Location: N/A
Coating Condition: Good
Weld/Seam Condition: Good
Corrosion Present? Y N

Oxidation Present? Y N
De-lamination Present? Y N

Summary: The common inlet/outlet was found in good condition with moderate staining, moderate to heavy blistering and 0.1% rust noduling noted.

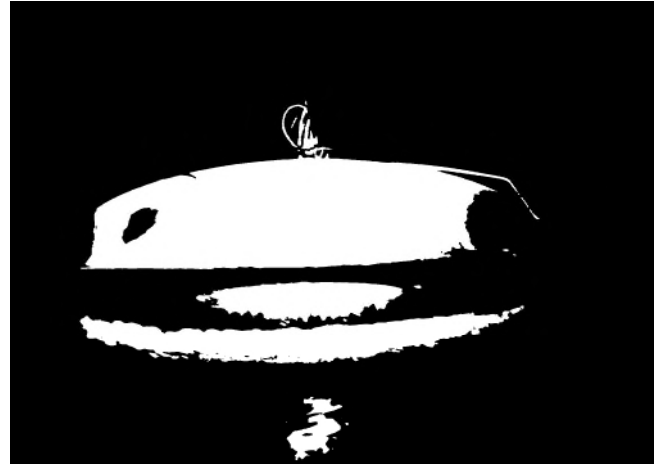


Rust noduling

Float Condition

Float Location: 11:30 o'clock
Guidelines Condition: Good
Attached Properly? Y N
Cable Condition: Good
Attached Properly? Y N
Hardware Condition: Good
Corrosion Present? Y N
Float Condition: Good
Sealed? Y N

Summary: The float was found in good condition.



Support Column Condition

Number Of Columns: 1
Coating Condition: Good
Welds/seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N

De-lamination Present? Y N

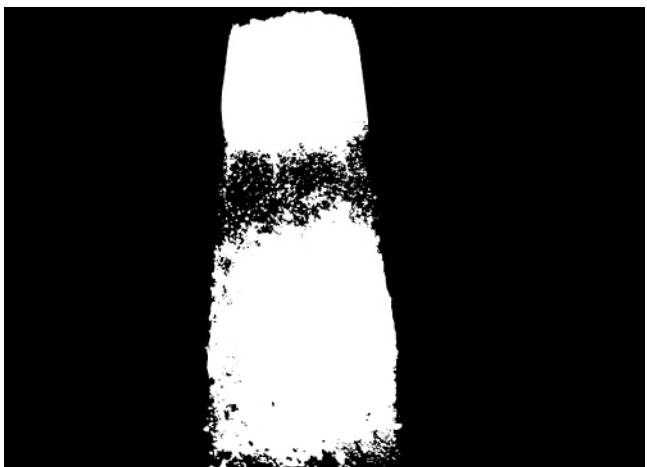
Summary: The support column was found secure and in good condition with minor de-lamination, staining, blistering and 1% rust noduling noted.



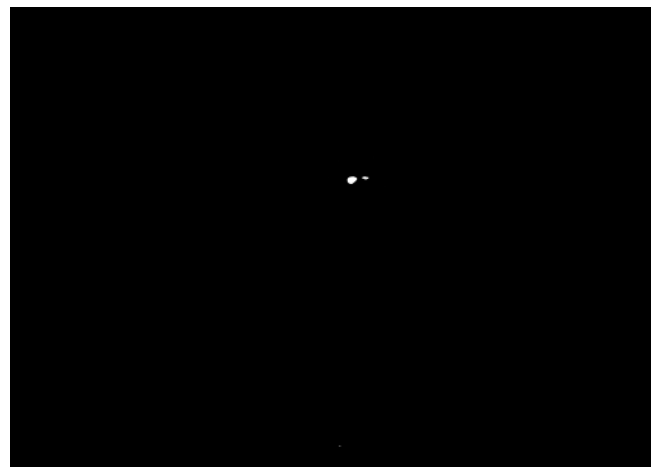
Top of column



Midway up column

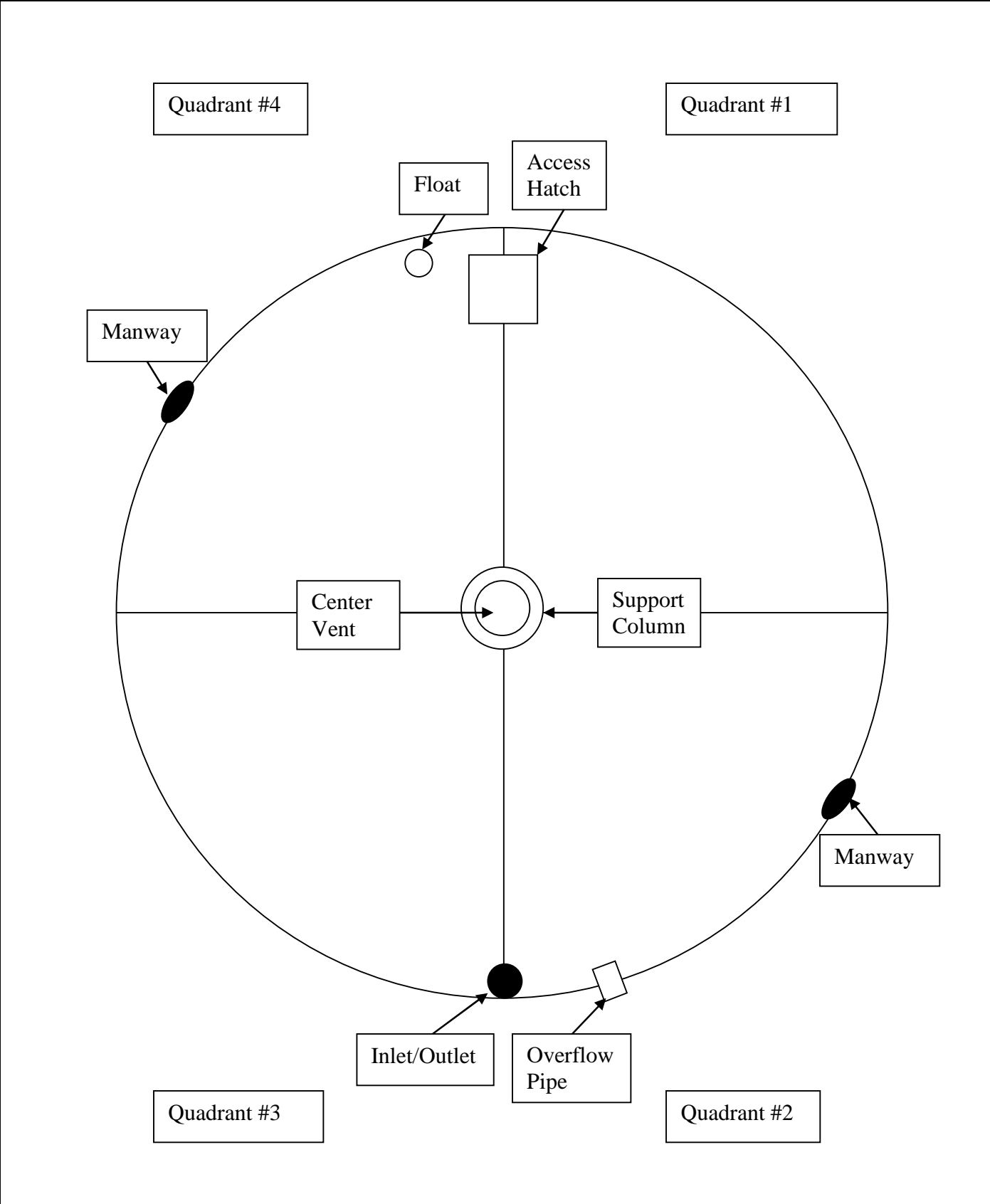


Close to top of column



Base of column

Tank Layout

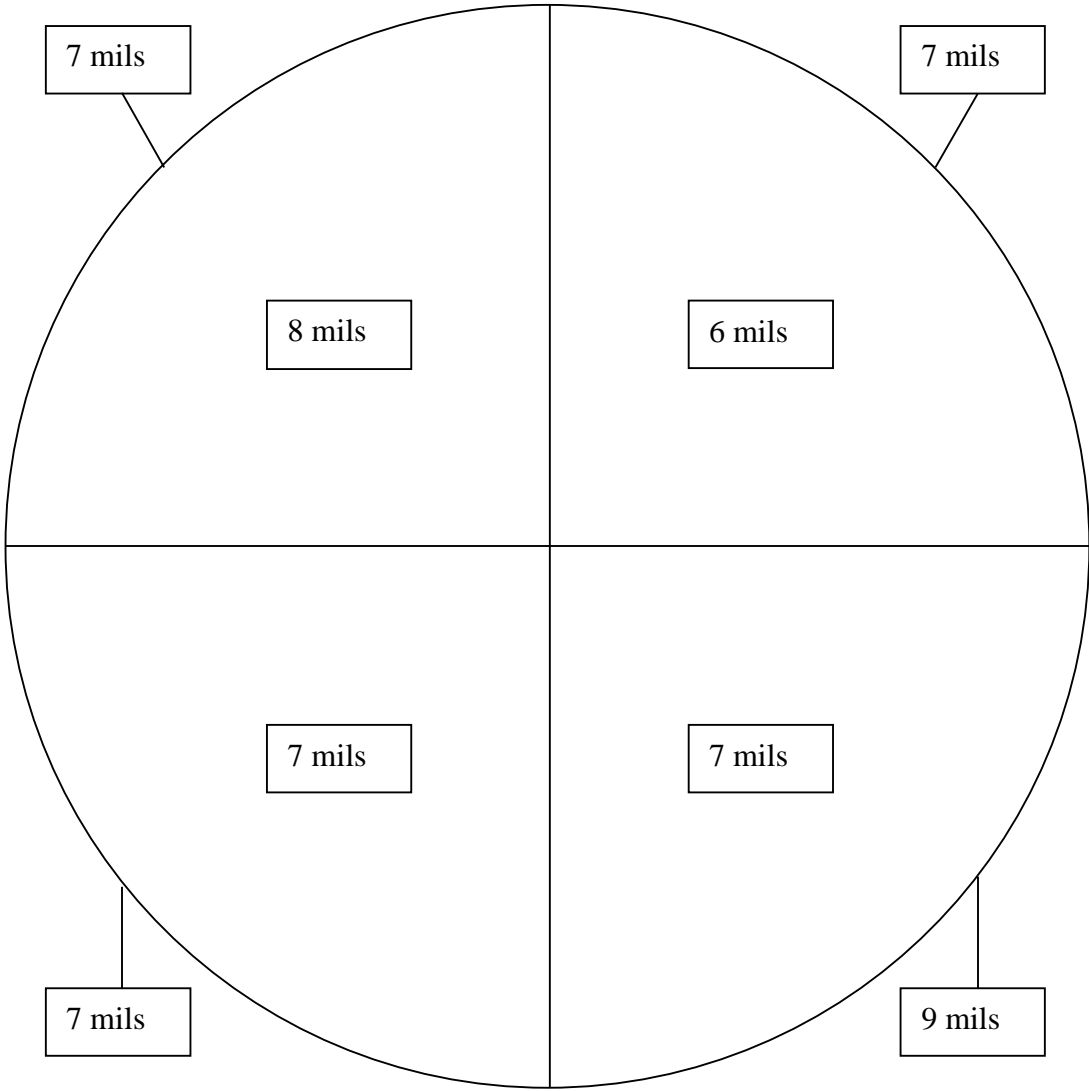


Tank Layout

Roof and Wall Coating Thickness Measurements

Quadrant #4

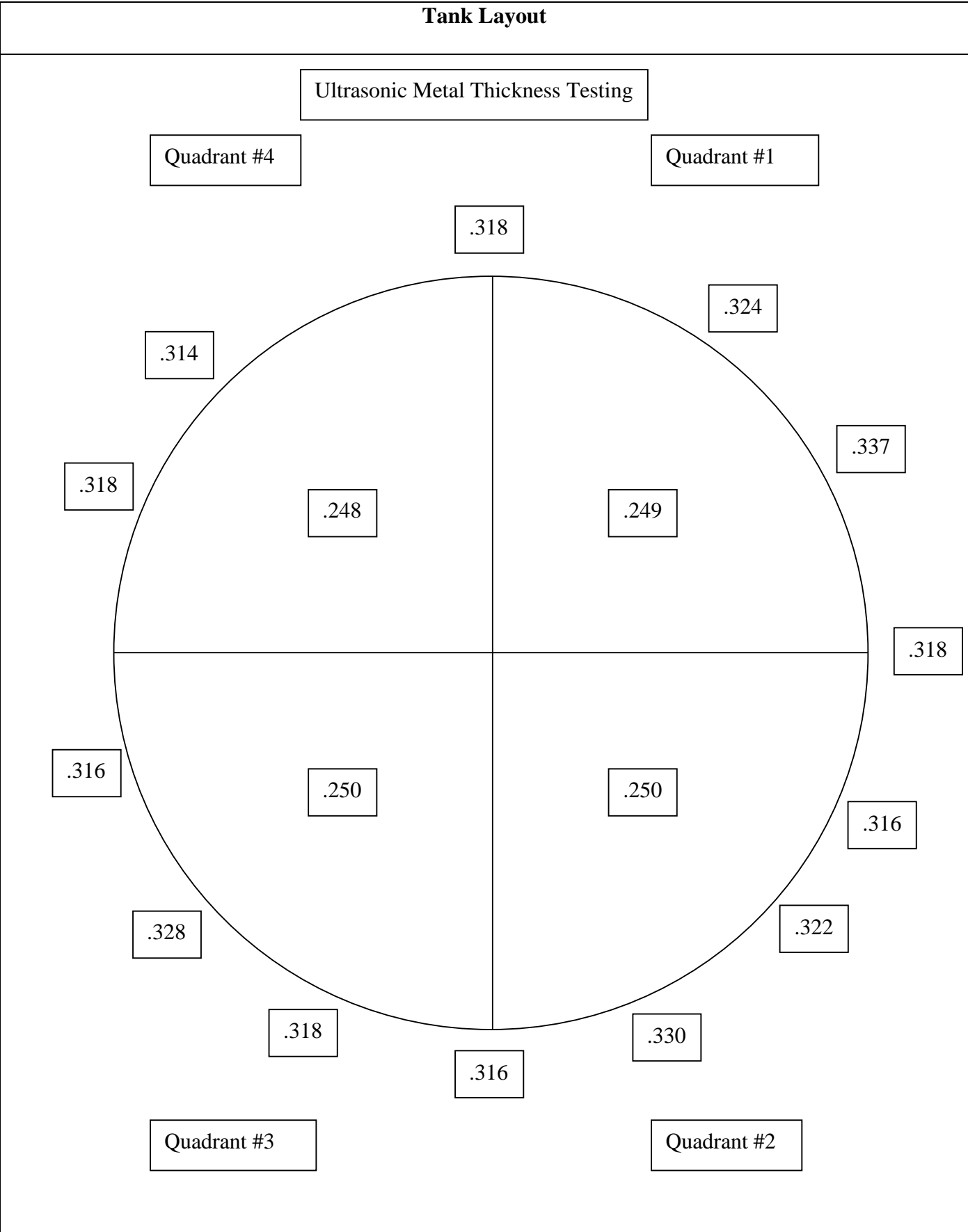
Quadrant #1



Quadrant #3

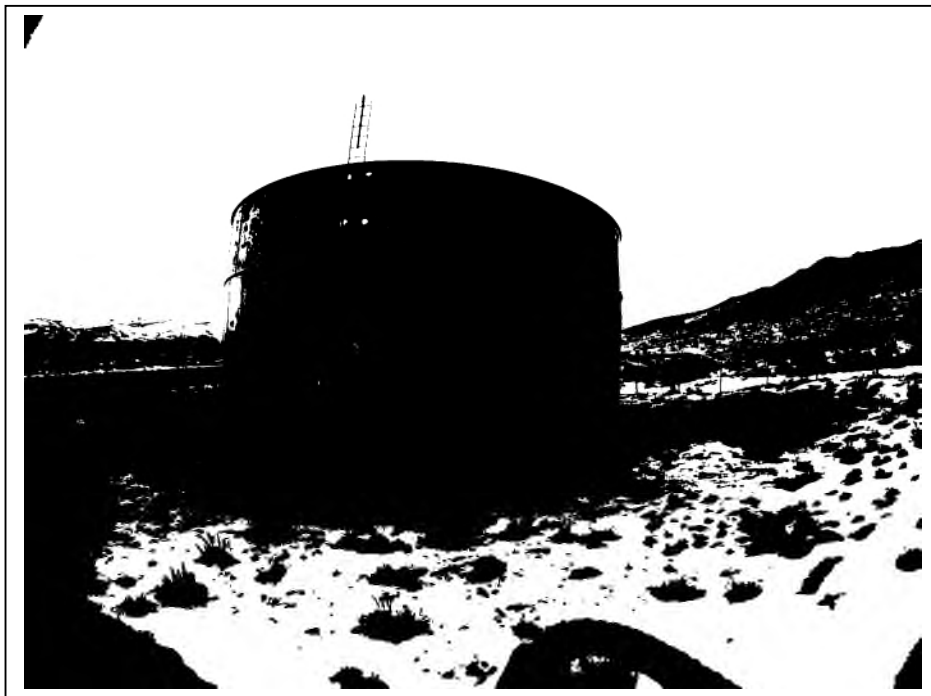
Quadrant #2

Tank Layout





**Inspection Report for
Great Basin Water Company
Spring Creek, NV**



**420KG Steel On-Grade
Cold Springs #2 Tank**

Date Completed: May 1, 2023

Commercial Dive Team:

**Diver – Nico LeBlanc
Dive Controller – Harry Lawson
Tender – Logan Peirce**

Scope of Work:

Our team completed sediment removal using underwater vacuum equipment. Sediment depth, averaging 1/32 inch (iron & manganese), was removed from the tank floor. When the cleaning process was finished, a full visual inspection was performed of the tank interior and all interior fixtures. The team also performed a full visual inspection of the tank exterior and all attached fixtures. The details of the inspection findings are included in the report below.

Summary of the Inspection:

Exterior Inspection

1. The team had to go portable to get to the tank due to the road being covered with snow.
2. The wall was found in good condition with minor chalking, de-lamination, moderate oxidation and 0.1% uniform surface corrosion noted.
3. The manways were found secure and in good condition with minor cracking, corrosive staining, minor to moderate de-lamination and 0.1% uniform surface corrosion noted.
4. The overflow was found in good condition with minor de-lamination, chalking, minor to moderate oxidation and 0.1% uniform surface corrosion noted.
5. The ladder was found secure, OSHA approved and in good condition with minor pinholes and 0.01% uniform surface corrosion noted.
6. The roof was found in good condition with minor de-lamination, heavy oxidation and 0.1% uniform surface corrosion noted.
7. The aluminum hatch was found locked with a gasket in place and in good condition.
8. The vent was found in good condition with minor de-lamination, heavy oxidation and 0.01% uniform surface corrosion noted.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now

Summary of the Inspection:

Interior Inspection

1. The interior roof was found in good to fair condition with heavy oxidation, 1/16 inch deep pitting, 0.01% rust noduling, 10% uniform surface corrosion noted and a small hole in the 7 o'clock area.
2. The ladder was found secure and in good condition with minor sediment staining, 1/16 inch deep pitting, 0.01% rust noduling and 0.3% uniform surface corrosion noted. The safety cable was in good condition with 0.3% uniform surface corrosion present.
3. The overflow was found in good condition with minor de-lamination and 0.3% uniform surface corrosion noted.
4. The inlet/outlet was found in good condition with moderate sediment staining, 1/16 inch deep pitting and 0.3% rust noduling noted.
5. The floor was found in good to fair condition with heavy de-lamination, sediment staining, blistering, cracking, 1/16 inch deep pitting and 50% rust noduling noted.
6. The interior wall was found in fair condition with moderate micro & macro blistering, de-lamination, heavy sediment & corrosive staining, 1/16 inch deep pitting, 10% uniform surface corrosion and 50% rust noduling noted.
7. The manways were found in fair condition with moderate micro & macro blistering, 1/16 inch deep pitting and 10% rust noduling noted.
8. The drain was found in good condition with heavy sediment & corrosive staining, de-lamination, 1/16 inch deep pitting and 10% rust noduling noted.
9. The support column was found secure and in fair condition with minor de-lamination, cracking, minor to moderate micro blistering, 1/16 inch deep pitting, 33% rust noduling and 10% uniform surface corrosion noted.

Recommendations:

1. Schedule a blast and recoat of the interior as soon as budgets will allow. If, within 3 years, the recoating has not been completed, schedule a follow-up clean and inspect as recommended by the AWWA.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now



Inland Potable Services, Inc.

Exterior Inspection Report

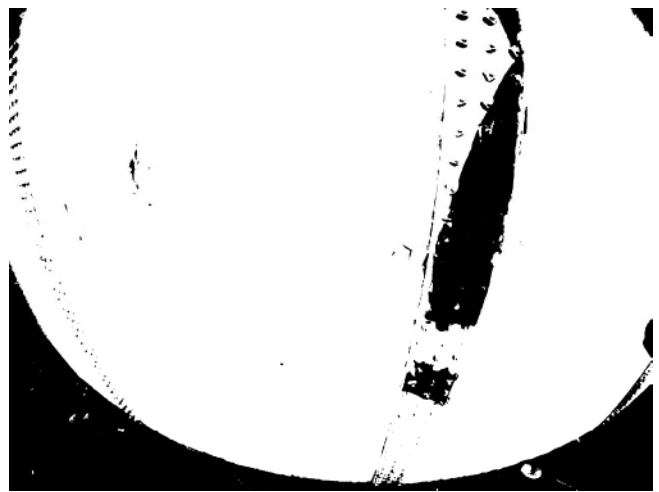


Wall Panel Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Dents Present? Y N

Holes Present? Y N
 Signs Of Leaking? Y N

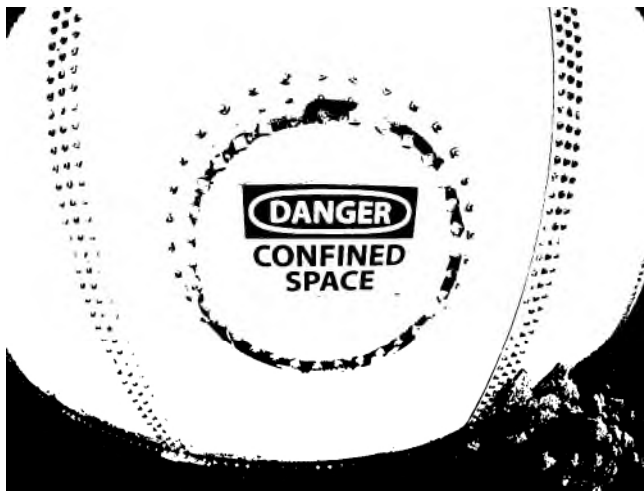
Summary: The wall was found in good condition with minor chalking, de-lamination, moderate oxidation and 0.1% uniform surface corrosion noted.



Manway Condition

Coating Condition: Both Good
 Weld/Seam Condition: Both Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The manways were found secure and in good condition with minor cracking, corrosive staining, minor to moderate de-lamination and 0.1% uniform surface corrosion noted.

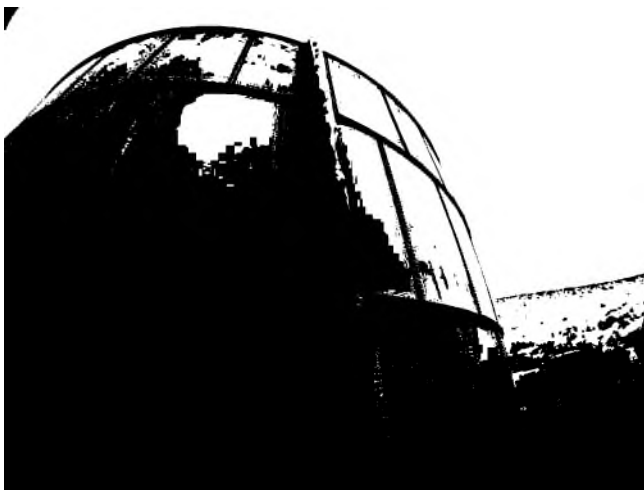


Overflow Structure Condition

Coating Condition: Good
Seams/Welds Condition: Good
Stand Off Supports Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Directly Connected To Sewer or Drain? Y N
End Cap Present? Y N

Hinge and Cap Condition: N/A
#24 mesh Screen Present? Y N
Condition: N/A

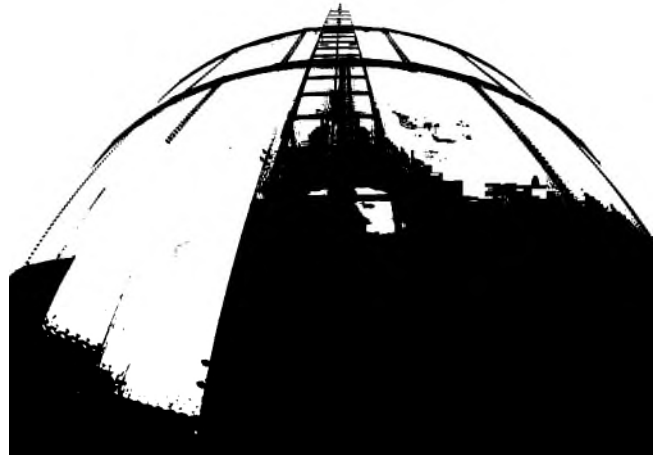
Summary: The overflow was found in good condition with minor de-lamination, chalking, minor to moderate oxidation and 0.1% uniform surface corrosion noted.



Access Ladder Condition

Ladder Type: Steel welded
 Is Ladder and Safety Climb **OSHA** Approved? Y N
 Is Vandal Guard Present? Y N
 Locked? Y N N/A
 Safety Climb Type: Cable Grab
 Safety Climb Condition: Good
 Is Top Of Tank Easily Accessible? Y N
 Coating Condition: Good
 Seams/Welds Condition: Good
 Stand Off Supports Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

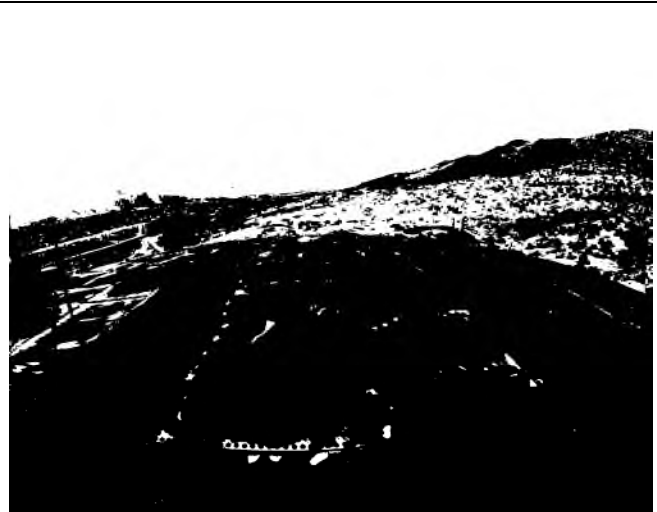
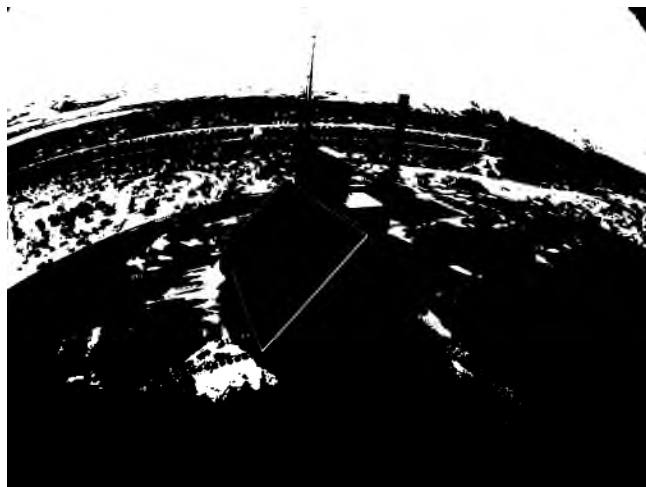
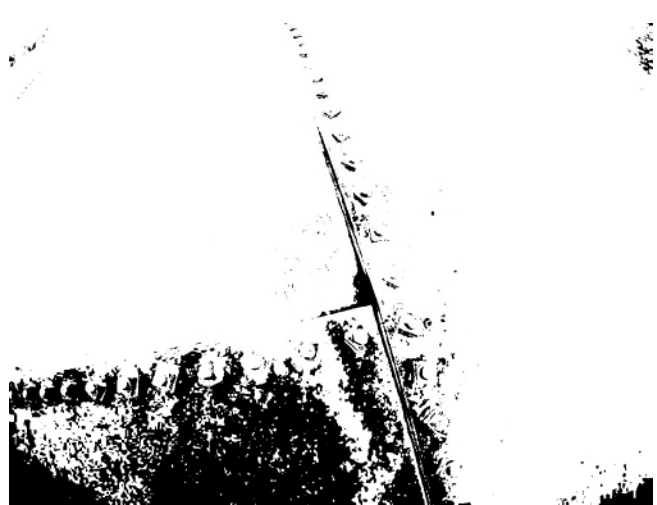
Summary: The ladder was found secure, OSHA approved and in good condition with minor pinholes and 0.01% uniform surface corrosion noted.



Roof Condition

Roof Type: Pitched
 Coating Condition: Good/Fair
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Low Spots Present? Y N
 Holes in Roof? Y N
 Cathodic Protection Plates Present? Y N
 Sealed Edges: Y N N/A
 Loose Plates? Y N N/A
 Missing Plates? Y N N/A

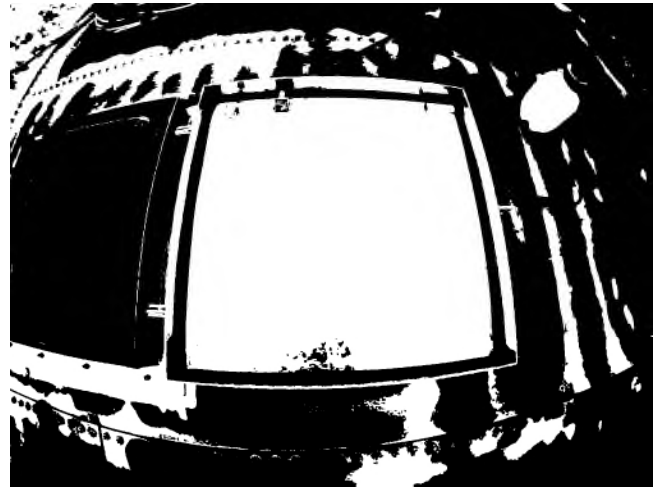
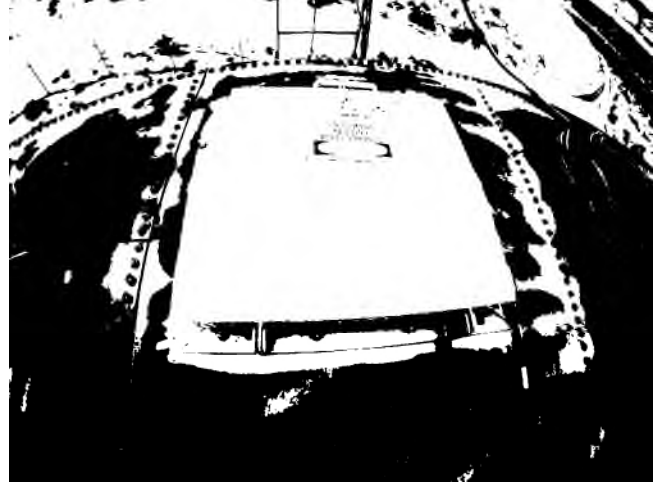
Summary: The roof was found in good condition with minor de-lamination, heavy oxidation and 0.1% uniform surface corrosion noted.



Access Hatch Condition

Coating Condition: N/A
Seams/Welds Condition: Good
Corrosion Present: Y N
Oxidation Present? Y N
De-lamination Present? Y N
Hatch Size: 3 foot square
Riser Height: 4 inches Lid Height: 2 inches
Hatch Locked? Y N
Hinge Condition: Good
Gasket Present? Y N
Intact? Y N N/A
Insects, Dirt Or Debris Present Under Hatch? Y N

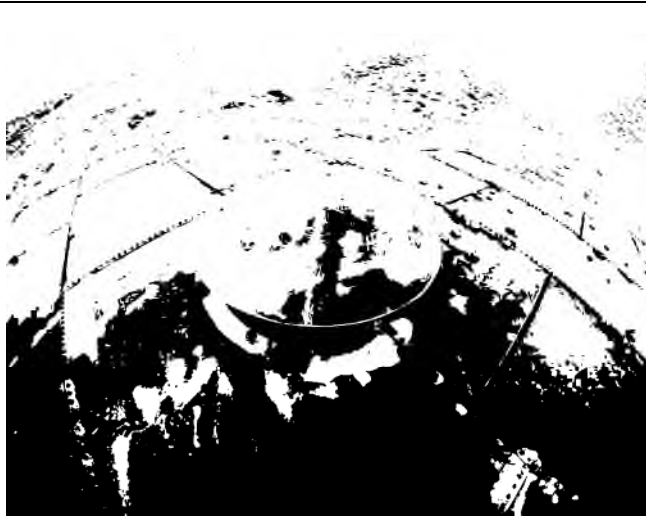
Summary: The aluminum hatch was found locked with a gasket in place and in good condition.



Vent Condition

Coating Condition: Good/Fair
Seams/Welds Condition: Good
Corrosion Present: Y N
Oxidation Present? Y N
De-lamination Present? Y N
#24 Mesh Screen in Place? Y N
Condition: Good
All Openings Sealed? Y N
Cap Condition: Good

Summary: The vent was found in good condition with minor de-lamination, heavy oxidation and 0.01% uniform surface corrosion noted.





Inland Potable Services, Inc.

Interior Inspection Report



Roof Condition

Coating Condition: Good/Fair
 Welds/seam Condition: Good/Fair
 Corrosion Present On Panels? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The interior roof was found in good to fair condition with heavy oxidation, 1/16 inch deep pitting, 0.01% rust noduling, 10% uniform surface corrosion noted and a small hole in the 7 o'clock area.



Ladder Condition

Ladder Location: 12 o'clock
 Coating Condition: Good
 Weld/Seam Condition: Good
 Supports Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The ladder was found secure and in good condition with minor sediment staining, 1/16 inch deep pitting, 0.01% rust noduling and 0.3% uniform surface corrosion noted. The safety cable was in good condition with 0.3% uniform surface corrosion present.



Overflow Condition

Overflow Location: 3 o'clock
Coating Condition: Good
Weld/Seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

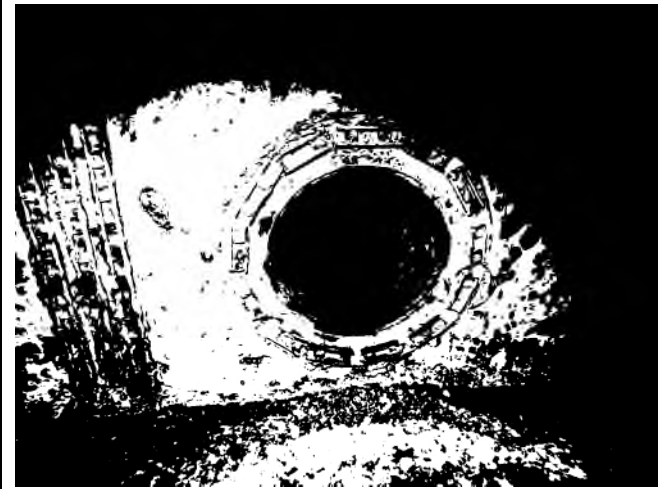
Summary: The overflow was found in good condition with minor de-lamination and 0.3% uniform surface corrosion noted.



Inlet and Outlet Condition

Common Inlet/Outlet? Y N
Location: 6 o'clock
Coating Condition: Good
Weld/Seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

Summary: The inlet/outlet was found in good condition with moderate sediment staining, 1/16 inch deep pitting and 0.3% rust noduling noted.



Floor Condition

Coating Condition: Fair
Welds/seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Any irregularities or structural deficiencies? Y N

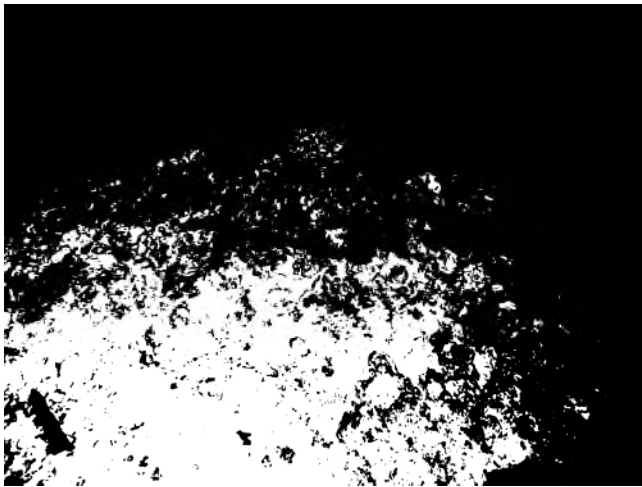
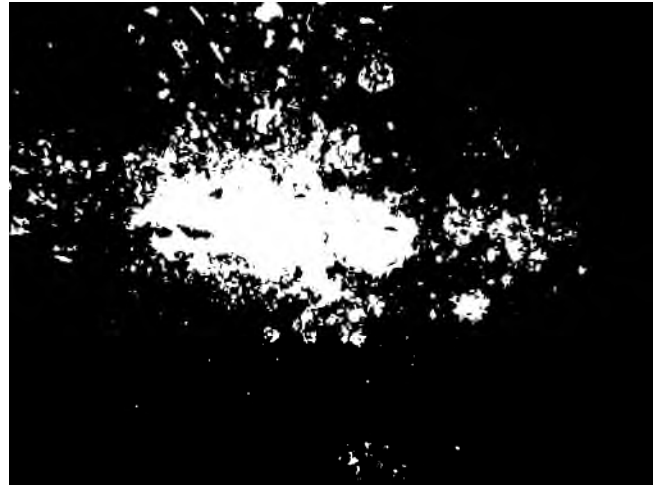
Summary: The floor was found in good to fair condition with heavy de-lamination, sediment staining, blistering, cracking, 1/16 inch deep pitting and 50% rust noduling noted.



Wall Panel Condition

Coating Condition: Fair
Welds/seam Condition: Good
Corrosion Present On Panel? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Is Biofilm Present: Y N
Any irregularities or structural deficiencies? Y N

Summary: The interior wall was found in fair condition with moderate micro & macro blistering, de-lamination, heavy sediment & corrosive staining, 1/16 inch deep pitting, 10% uniform surface corrosion and 50% rust noduling noted.

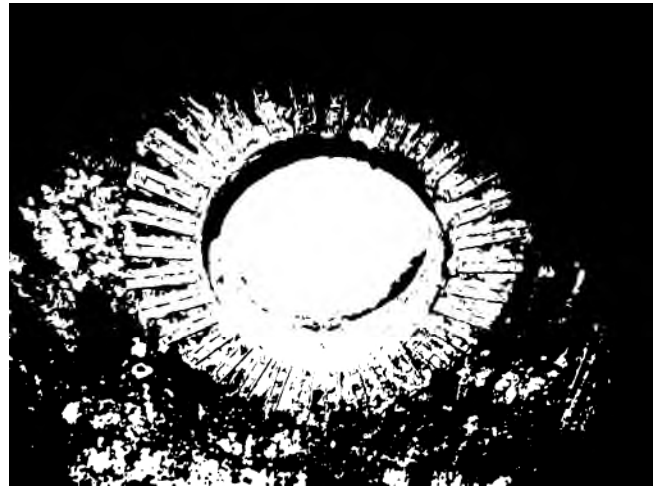
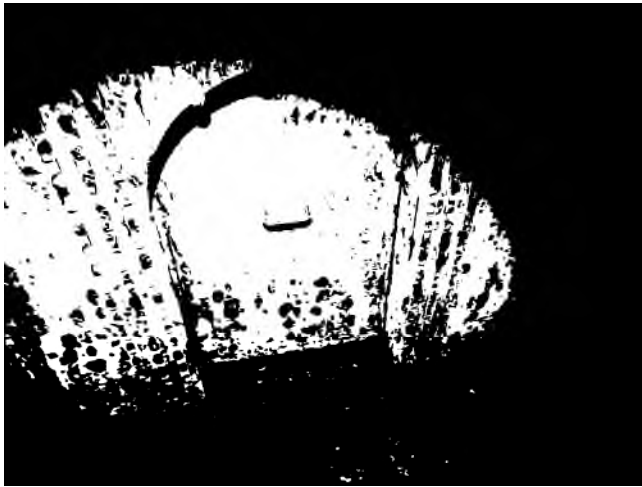


Manway Condition

Manway Location(s): 2 o'clock & 7 o'clock
 Coating Condition: Both Fair
 Weld/Seam Condition: Both Good
 Corrosion Present? Y N
 Oxidation Present? Y N

De-lamination Present? Y N

Summary: The manways were found in fair condition with moderate micro & macro blistering, 1/16 inch deep pitting and 10% rust noduling noted.

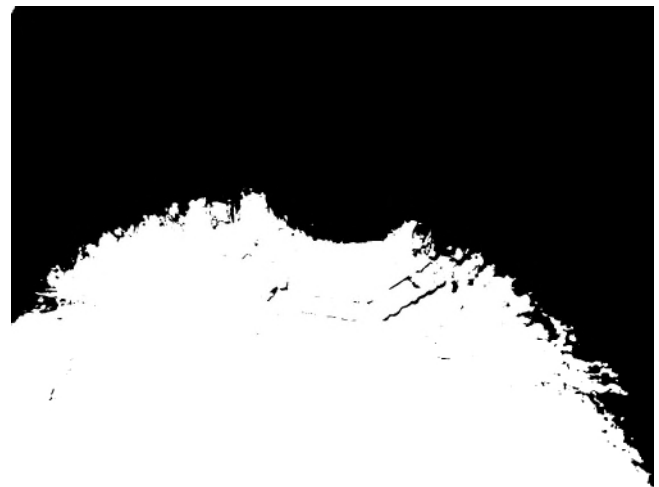
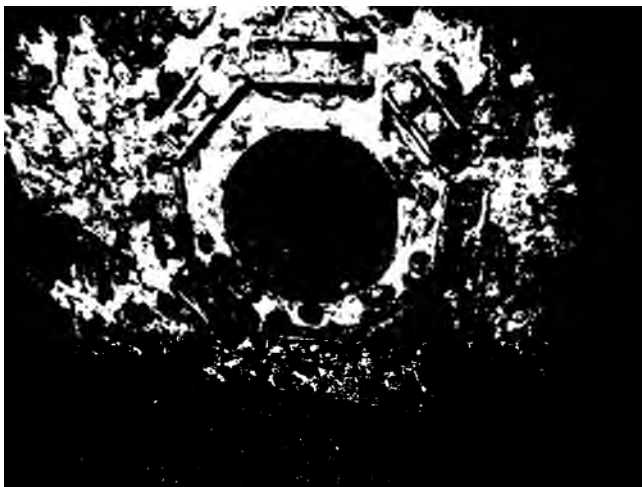


Drain Condition

Drain Location: 2:55 o'clock
 Coating Condition: Good
 Weld/Seam Condition: Good/Fair
 Corrosion Present? Y N
 Oxidation Present? Y N

De-lamination Present? Y N

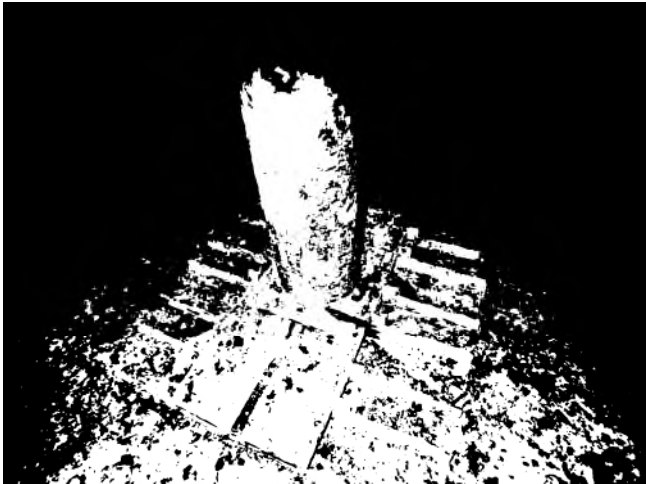
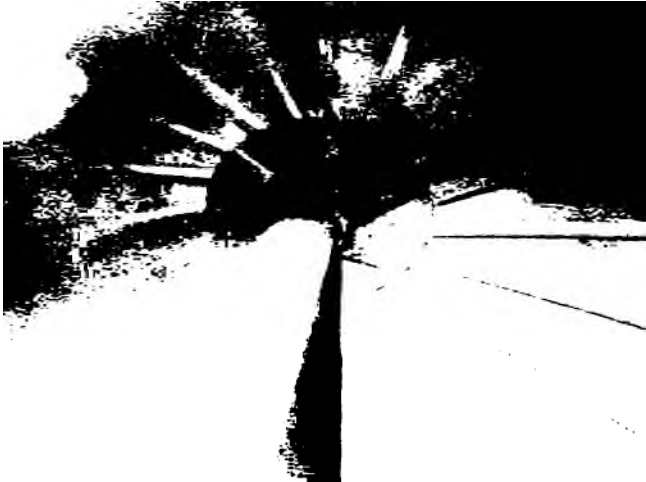
Summary: The drain was found in good condition with heavy sediment & corrosive staining, de-lamination, 1/16 inch deep pitting and 10% rust noduling noted.



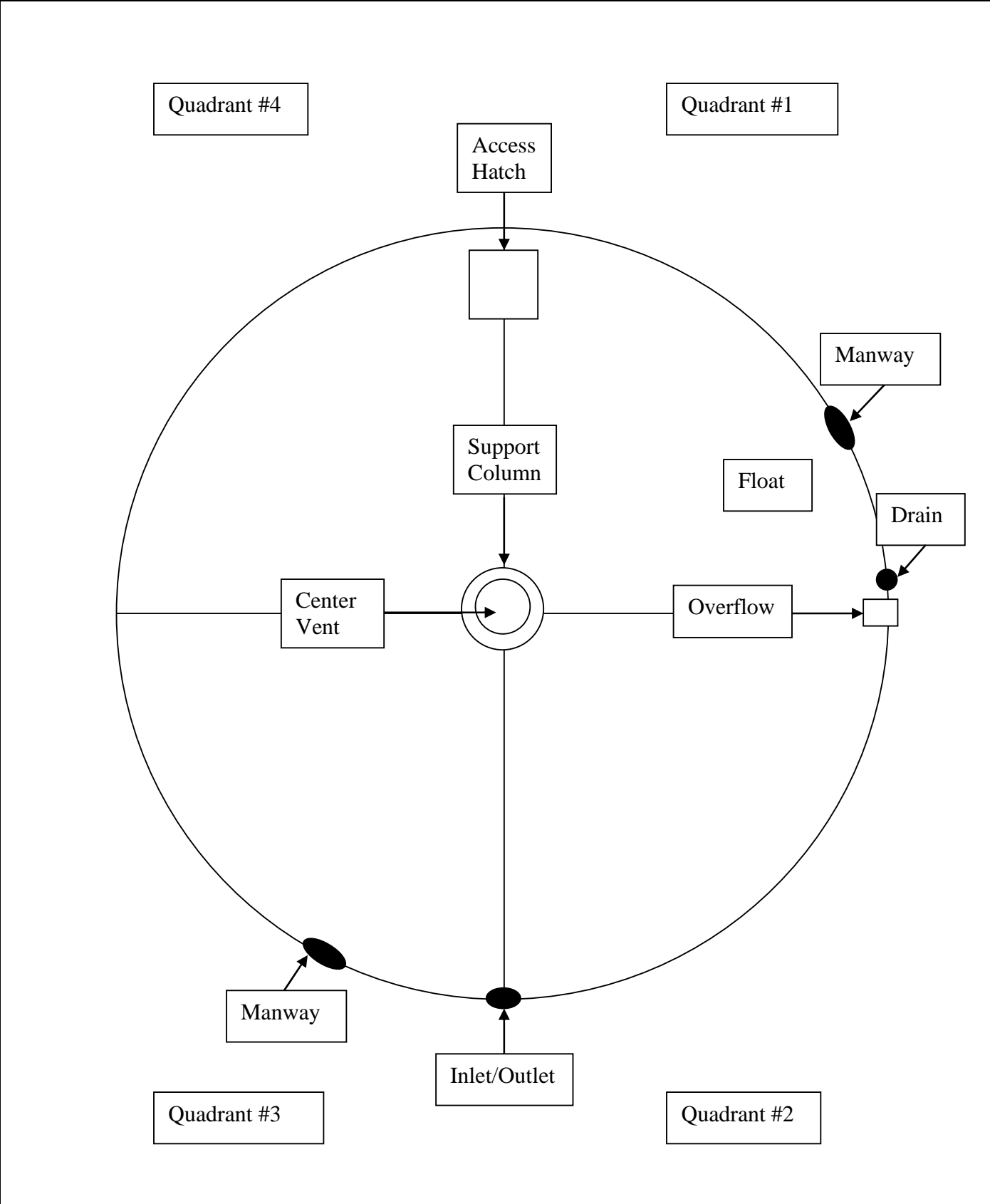
Support Column Condition

Number Of Columns: 1
Coating Condition: Fair
Welds/seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

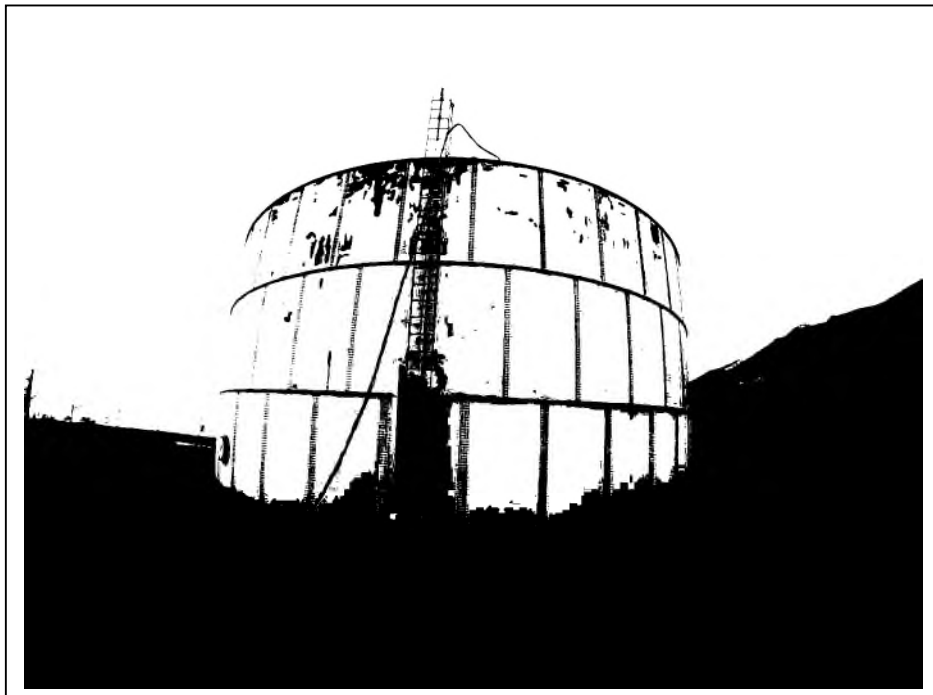
Summary: The support column was found secure and in fair condition with minor de-lamination, cracking, minor to moderate micro blistering, 1/16 inch deep pitting, 33% rust noduling and 10% uniform surface corrosion noted.



Tank Layout



**Inspection Report for
Great Basin Water Company
Reno, NV**



**420KG Steel On-Grade
Cold Springs #2 Tank**

Date Completed: December 2, 2021

Commercial Dive Team:

**Diver – David Anderson
Dive Controller – Nathan Monroe
Tender – Scott Smith**

Scope of Work:

A full visual inspection was performed of the tank interior and all interior fixtures. The team also performed a full visual inspection of the tank exterior and all attached fixtures. This was changed from a clean and inspect to inspect only per the clients request. The details of the inspection findings are included in the report below.

Summary of the Inspection:

Exterior Inspection

1. There was good access to the tank. (In a gated area)
2. The wall was found in good condition with minor oxidation, sags & runs in the coating, moderate de-lamination and 0.03% uniform surface corrosion noted.
3. The overflow was found in good condition with moderate de-lamination noted.
4. The ladder was found secure, OSHA approved and in good condition with minor oxidation, corrosive staining and 0.01% uniform surface corrosion noted.
5. The manways were found secure and in good condition with minor de-lamination, oxidation, corrosive staining and 0.01% concentrated cell corrosion & uniform surface corrosion noted.
6. The hatch was found locked with a gasket in place and in good condition with minor oxidation and 0.01% uniform surface corrosion noted.
7. The roof was found in good condition with minor de-lamination noted.
8. The vent was found in good condition with minor oxidation, moderate de-lamination and 0.03% uniform surface corrosion noted.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now

Summary of the Inspection:

Interior Inspection

1. The interior roof was found in good condition with minor chalking, corrosive staining and 0.1% uniform surface corrosion noted.
2. The ladder was found secure and in good condition with minor chalking, corrosive & sediment staining and 0.01% concentrated cell corrosion noted.
3. The overflow was found in good condition with minor sags & runs in the coating, corrosive staining and 0.03% uniform surface corrosion noted.
4. The interior wall was found in good condition with heavy corrosive & sediment staining and 1% uniform surface corrosion noted.
5. The floor was found in good condition with heavy sediment & corrosive staining, pitting and 1% rust noduling & uniform surface corrosion noted.
6. The common inlet/outlet was found in good condition with heavy corrosive staining, pitting and 1% rust noduling & uniform surface corrosion noted.
7. The manways were found in good condition with minor sags & runs in the coating, heavy chalking, sediment & corrosive staining, pitting and 0.3% uniform surface corrosion & rust noduling noted.
8. The support column was found secure and in good condition with minor chalking, heavy corrosive & sediment staining, pitting and 1% uniform surface corrosion & rust noduling noted.

Recommendations:

1. Continue to schedule a clean and inspect every 3-5 years per AWWA recommendations.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now



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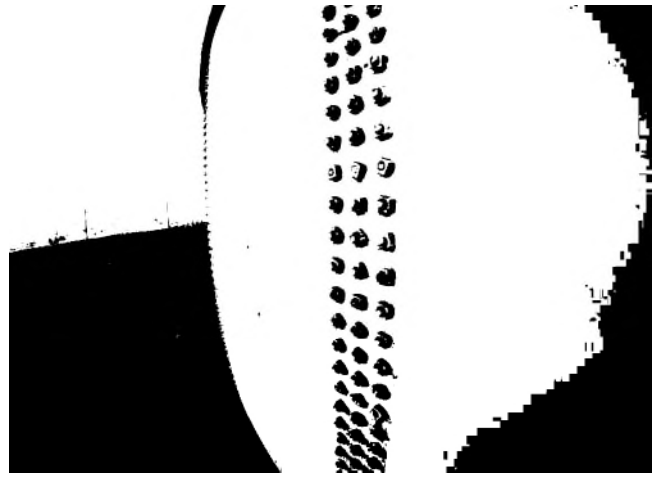
Exterior Inspection Report



Wall Panel Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Dents Present? Y N
 Holes Present? Y N
 Signs Of Leaking? Y N

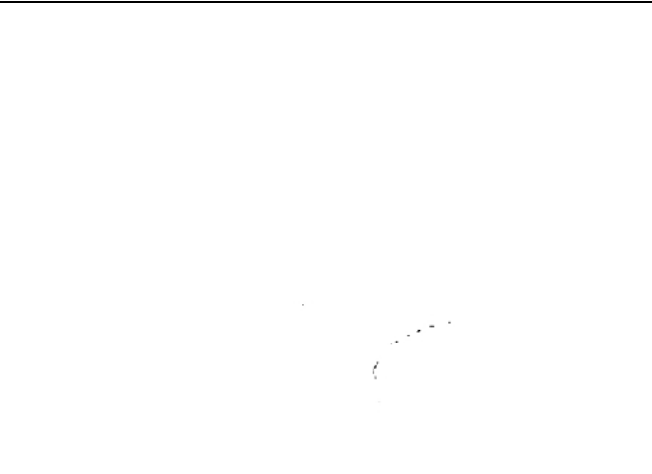
Summary: The wall was found in good condition with minor oxidation, sags & runs in the coating, moderate de-lamination and 0.03% uniform surface corrosion noted.



Overflow Structure Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Stand Off Supports Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Directly Connected To Sewer or Drain? Y N N/A
 End Cap Present? Y N
 Hinge and Cap Condition: N/A
 #24 mesh Screen Present? Y N
 Condition: N/A

Summary: The overflow was found in good condition with moderate de-lamination noted.



Access Ladder Condition

Ladder Type: Steel welded
 Is Ladder and Safety Climb OSHA Approved? Y N
 Is Vandal Guard Present? Y N
 Locked? Y N N/A
 Safety Climb Type: Cable
 Safety Climb Condition: Good
 Is Top Of Tank Easily Accessible? Y N
 Coating Condition: Good
 Seams/Welds Condition: Good
 Stand Off Supports Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The ladder was found secure, OSHA approved and in good condition with minor oxidation, corrosive staining and 0.01% uniform surface corrosion noted.



Manway Condition

Coating Condition: Both Good
 Weld/Seam Condition: Both Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The manways were found secure and in good condition with minor de-lamination, oxidation, corrosive staining and 0.01% concentrated cell corrosion & uniform surface corrosion noted.



Access Hatch Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present: Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Hatch Size: 2 foot square
 Riser Height: 4 inches Lid Height: 2 inches
 Hatch Locked? Y N

Hinge Condition: Good
 Gasket Present? Y N
 Intact? Y N N/A
 Insects, Dirt Or Debris Present Under Hatch? Y N

Summary: The hatch was found locked with a gasket in place and in good condition with minor oxidation and 0.01% uniform surface corrosion noted.



Roof Condition

Roof Type: Flat
 Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Low Spots Present? Y N
 Holes in Roof? Y N
 Cathodic Protection Plates Present? Y N
 Sealed Edges: Y N N/A
 Loose Plates? Y N N/A
 Missing Plates? Y N N/A

Summary: The roof was found in good condition with minor de-lamination noted.



Vent Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present: Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 #24 Mesh Screen in Place? Y N
 Condition: Good

All Openings Sealed? Y N
 Cap Condition: Good

Summary: The vent was found in good condition with minor oxidation, moderate de-lamination and 0.03% uniform surface corrosion noted.





Inland Potable Services, Inc.

Interior Inspection Report



Roof Condition

Coating Condition: Good
 Welds/seam Condition: Good
 Corrosion Present On Panels? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

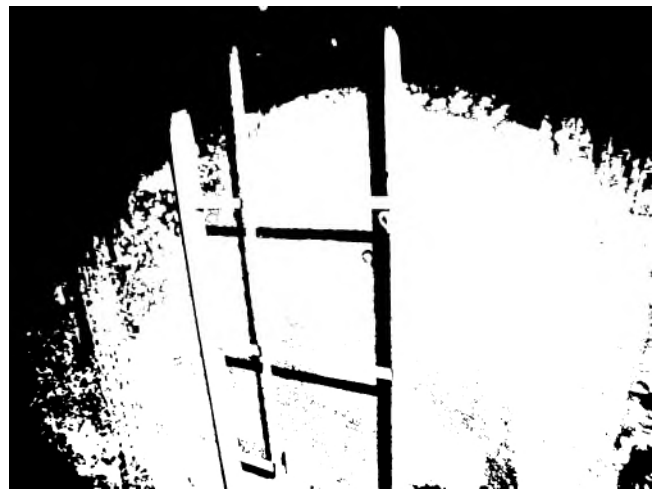
Summary: The interior roof was found in good condition with minor chalking, corrosive staining and 0.1% uniform surface corrosion noted.



Ladder Condition

Ladder Location: 12 o'clock
 Coating Condition: Good
 Weld/Seam Condition: Good
 Supports Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

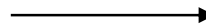
Summary: The ladder was found secure and in good condition with minor chalking, corrosive & sediment staining and 0.01% concentrated cell corrosion noted.



Overflow Condition

Overflow Location: 3 o'clock
 Coating Condition: Good
 Weld/Seam Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

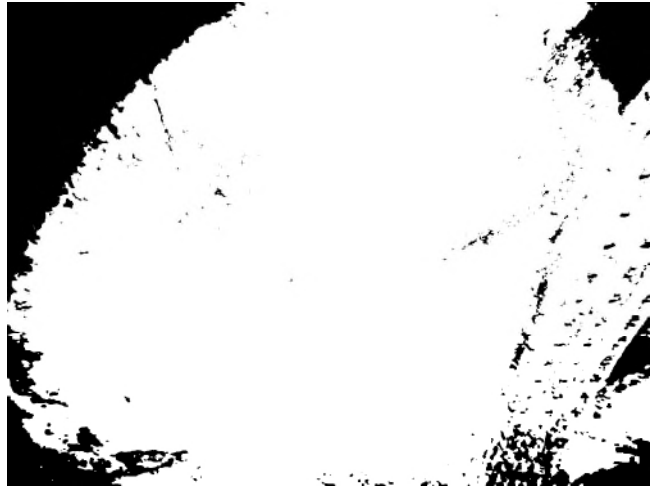
Summary: The overflow was found in good condition with minor sags & runs in the coating, corrosive staining and 0.03% uniform surface corrosion noted.



Wall Panel Condition

Coating Condition: Good
Welds/seam Condition: Good
Corrosion Present On Panel? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Is Biofilm Present: Y N
Any irregularities or structural deficiencies? Y N

Summary: The interior wall was found in good condition with heavy corrosive & sediment staining and 1% uniform surface corrosion noted.



Floor Condition

Coating Condition: Good
Welds/seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Any irregularities or structural deficiencies? Y N

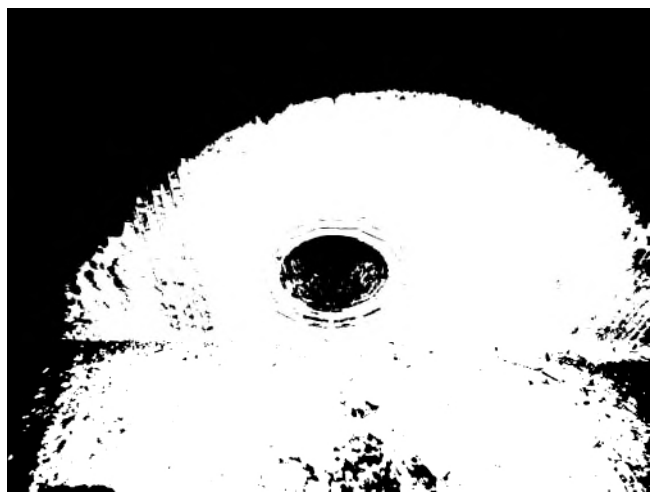
Summary: The floor was found in good condition with heavy sediment & corrosive staining, pitting and 1% rust noduling & uniform surface corrosion noted.



Inlet and Outlet Condition

Common Inlet/Outlet? Y N
Location: 6 o'clock
Coating Condition: Good
Weld/Seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

Summary: The common inlet/outlet was found in good condition with heavy corrosive staining, pitting and 1% rust noduling & uniform surface corrosion noted.

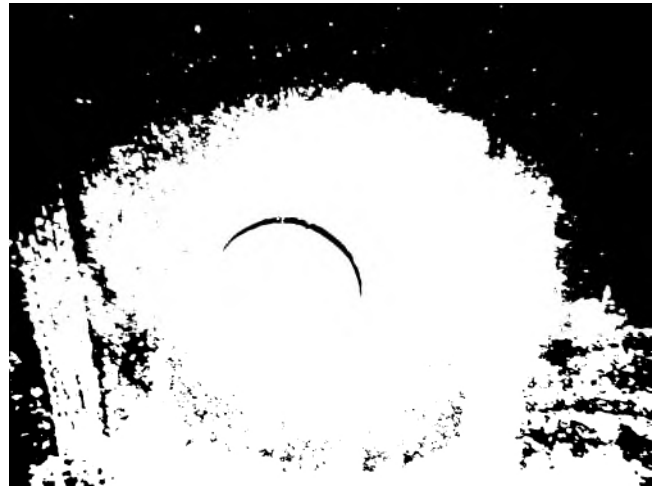
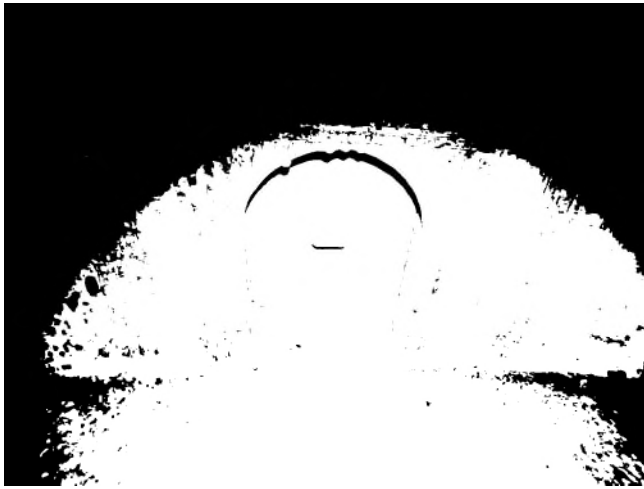


Manway Condition

Manway Location(s): 2 o'clock & 6:05 o'clock
 Coating Condition: Both Good
 Weld/Seam Condition: Both Good
 Corrosion Present? Y N
 Oxidation Present? Y N

De-lamination Present? Y N

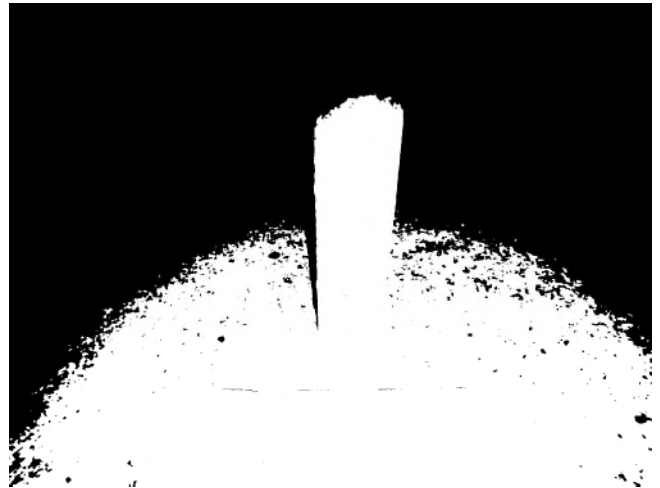
Summary: The manways were found in good condition with minor sags & runs in the coating, heavy chalking, sediment & corrosive staining, pitting and 0.3% uniform surface corrosion & rust noduling noted.



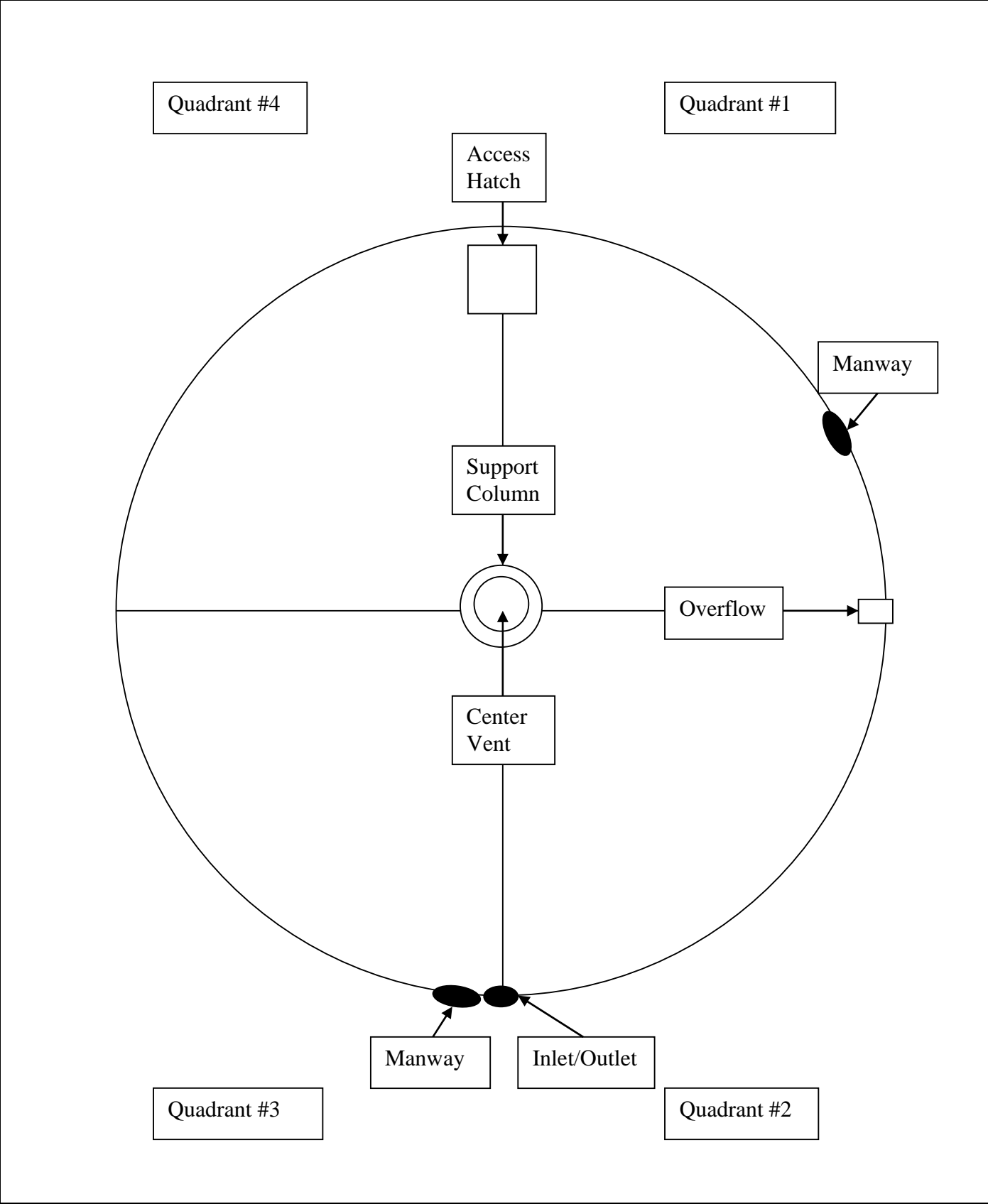
Support Column Condition

Number Of Columns: 1
 Coating Condition: Fair
 Welds/seam Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

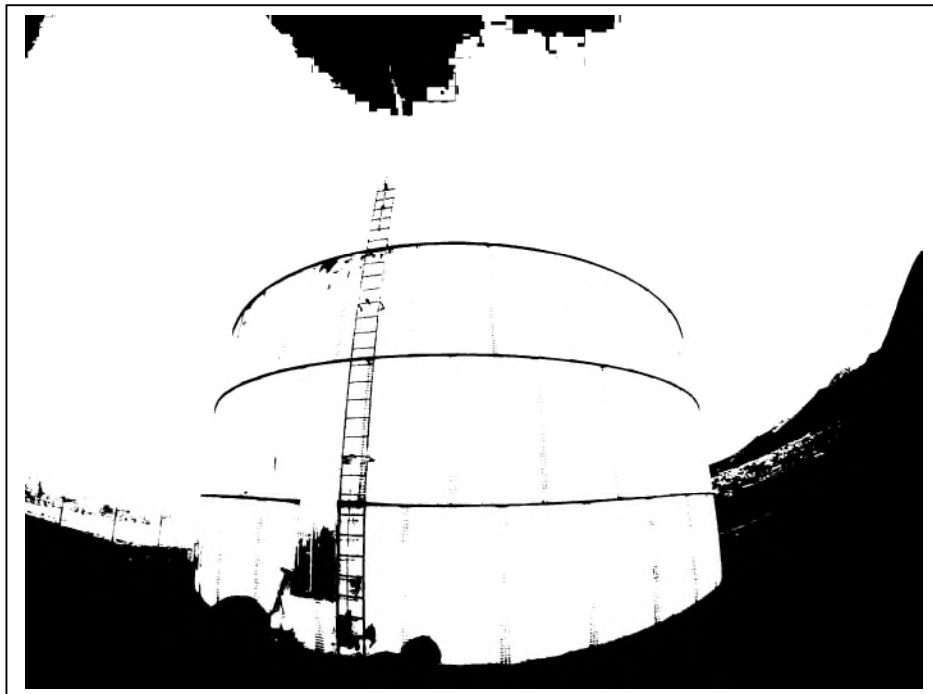
Summary: The support column was found secure and in good condition with minor chalking, heavy corrosive & sediment staining, pitting and 1% uniform surface corrosion & rust noduling noted.



Tank Layout



**Inspection Report for
Great Basin Water Company
Reno, NV**



**420KG Steel On-Grade
Cold Springs #2 Tank**

Date Completed: December 15, 2020

Commercial Dive Team:

**Diver – Elijah Cornier
Dive Controller – Ken Pietrovich
Tender – Nico LeBlanc**

Scope of Work:

Our team completed sediment removal using underwater vacuum equipment. Sediment depths, ranging from 1/16 to 1/32 inch (iron & manganese), were removed from the tank floor. When the cleaning process was finished, a full visual inspection was performed of the tank interior and all interior fixtures. The team also performed a full visual inspection of the tank exterior and all attached fixtures. The details of the inspection findings are included in the report below.

Summary of the Inspection:

Exterior Inspection

1. There was good access to the tank. (In a gated area)
2. The base of the tank was found in good condition.
3. The wall was found in good condition with minor oxidation, de-lamination, staining, chalking and 0.03% uniform surface corrosion noted.
4. The overflow was found in good condition with minor de-lamination, oxidation, chalking, staining and 0.01% uniform surface corrosion noted.
5. The ladder was found secure, OSHA approved and in good condition.
6. The manways were found secure and in good condition with minor chalking, oxidation and 0.03% uniform surface corrosion noted.
7. The roof was found in good condition with moderate oxidation and 0.3% uniform surface corrosion noted.
8. The hatch was found locked with a gasket in place and in good condition.
9. The vent was found in good condition with minor staining, minor to moderate oxidation and 0.1% uniform surface corrosion noted.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now

Summary of the Inspection:

Interior Inspection

1. The interior roof was found in good condition with minor staining and over 10% uniform surface corrosion noted.
2. The overflow was found in good to fair condition with moderate staining and 5% uniform surface corrosion noted.
3. The ladder was found secure and in good condition with minor to moderate staining and the safety cable had rust noduling & corrosion present.
4. The floor is uneven and in poor condition with cracking, moderate de-lamination, staining and 50% rust noduling noted.
5. The interior wall was found in poor condition with heavy de-lamination, staining and 50% rust noduling noted.
6. The manways were found in fair to poor condition with minor cracking, moderate staining, heavy blistering and rust noduling noted.
7. The common inlet/outlet was found in fair to poor condition with heavy staining and rust noduling noted.
8. The support column was found secure and in fair condition with blistering, moderate staining, 1% uniform surface corrosion and 50% rust noduling noted.

Recommendations:

1. Schedule a blast and recoat of the interior as soon as budgets will allow. If, within 3 years, the recoating has not been completed, schedule a follow-up clean and inspect as recommended by the AWWA.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now



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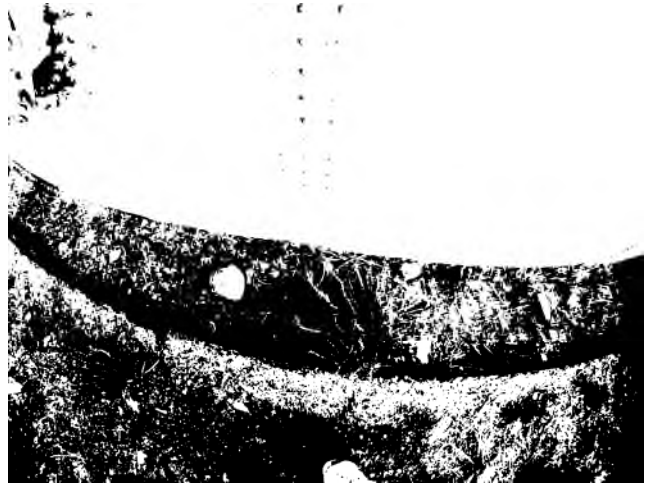
Exterior Inspection Report



Foundation Condition

Foundation Exposed? Y N
 Anchor Bolts Present? Y N
 Corrosion on Anchor Bolts Present? Y N N/A
 Anchor Bolts Loose? Y N N/A
 Cracking Noted In Foundation? Y N N/A
 Spalling Noted? Y N N/A

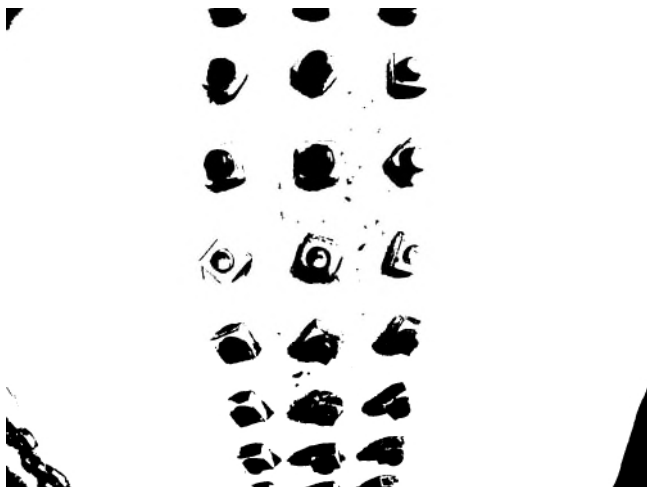
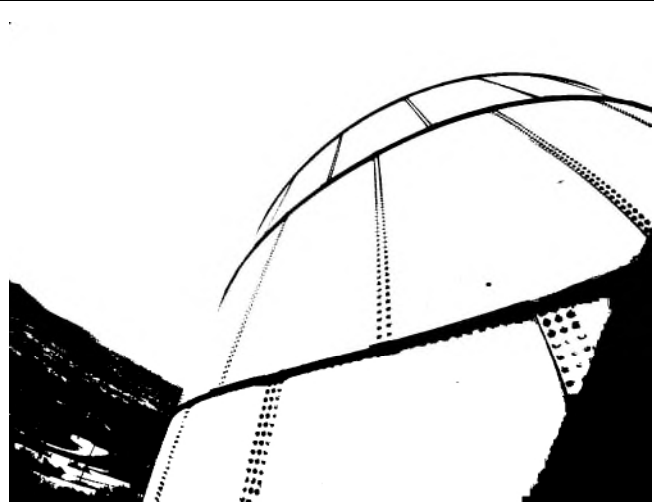
Summary: The base of the tank was found in good condition.



Wall Panel Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Dents Present? Y N
 Holes Present? Y N
 Signs Of Leaking? Y N

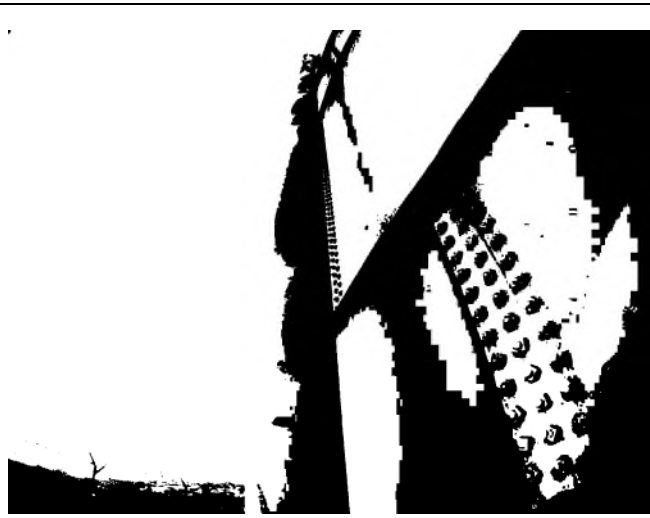
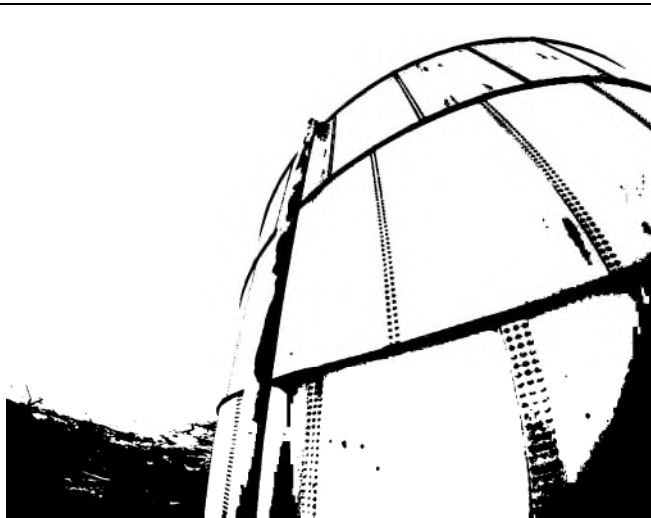
Summary: The wall was found in good condition with minor oxidation, de-lamination, staining, chalking and 0.03% uniform surface corrosion noted.



Overflow Structure Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Stand Off Supports Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Directly Connected To Sewer or Drain? Y N N/A
 End Cap Present? Y N
 Hinge and Cap Condition: Good
 #24 mesh Screen Present? Y N
 Condition: Good

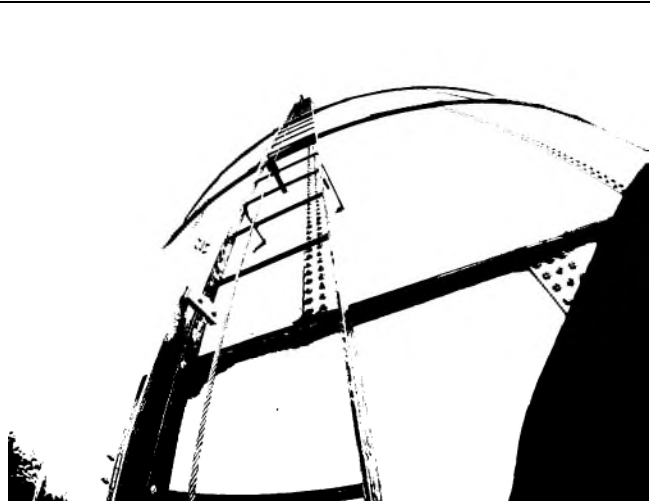
Summary: The overflow was found in good condition with minor de-lamination, oxidation, chalking, staining and 0.01% uniform surface corrosion noted.



Access Ladder Condition

Ladder Type: Steel bolted
 Is Ladder and Safety Climb OSHA Approved? Y N
 Is Vandal Guard Present? Y N
 Locked? Y N N/A
 Safety Climb Type: Rail
 Safety Climb Condition: Good
 Is Top Of Tank Easily Accessible? Y N
 Coating Condition: Good
 Seams/Welds Condition: Good
 Stand Off Supports Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

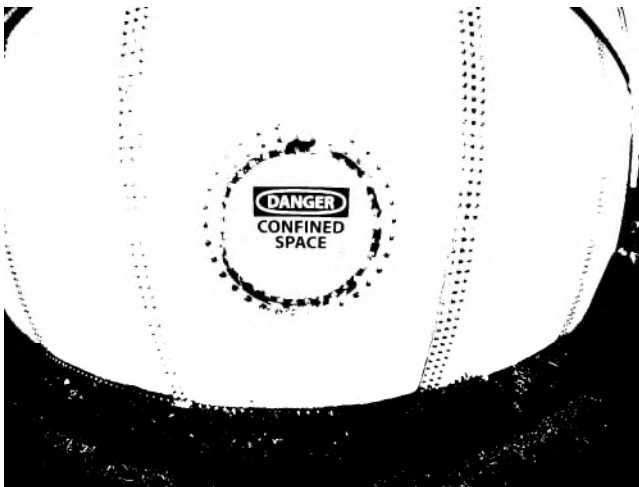
Summary: The ladder was found secure, OSHA approved and in good condition.



Manway Condition

Coating Condition: Both Good
Weld/Seam Condition: Both Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

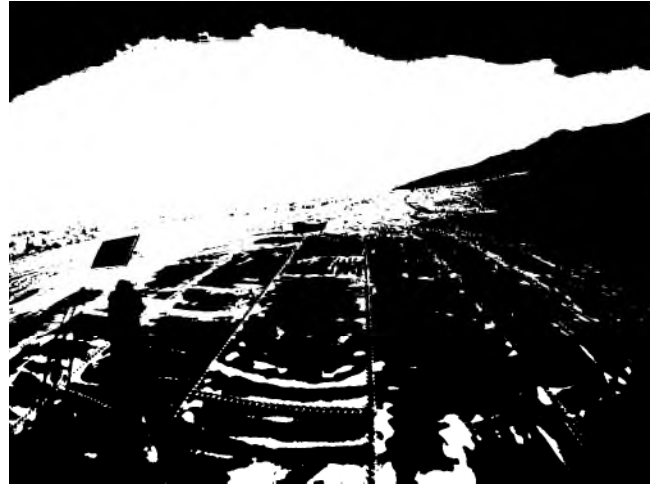
Summary: The manways were found secure and in good condition with minor chalking, oxidation and 0.03% uniform surface corrosion noted.



Roof Condition

Roof Type: Pitched
 Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Low Spots Present? Y N
 Holes in Roof? Y N
 Cathodic Protection Plates Present? Y N
 Sealed Edges: Y N N/A
 Loose Plates? Y N N/A
 Missing Plates? Y N N/A

Summary: The roof was found in good condition with moderate oxidation and 0.3% uniform surface corrosion noted.



Access Hatch Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present: Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Hatch Size: 2 foot square
 Riser Height: 4 inches Lid Height: 2 inches
 Hatch Locked? Y N
 Hinge Condition: Good
 Gasket Present? Y N
 Intact? Y N N/A
 Insects, Dirt Or Debris Present Under Hatch? Y N

Summary: The hatch was found locked with a gasket in place and in good condition.



Vent Condition

Coating Condition: Good
Seams/Welds Condition: Good
Corrosion Present: Y N
Oxidation Present? Y N
De-lamination Present? Y N
#24 Mesh Screen in Place? Y N
Condition: Good

All Openings Sealed? Y N
Cap Condition: Good

Summary: The vent was found in good condition with minor staining, minor to moderate oxidation and 0.1% uniform surface corrosion noted.





Inland Potable Services, Inc.

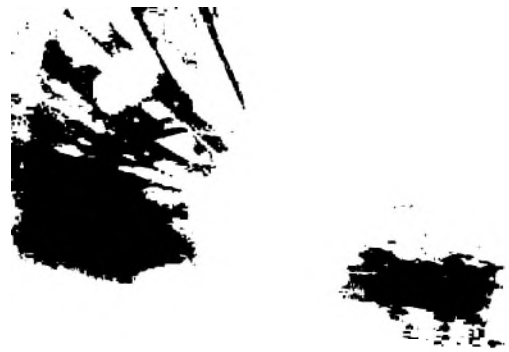
Interior Inspection Report



Roof Condition

Coating Condition: Good
 Welds/seam Condition: Good
 Corrosion Present On Panels? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The interior roof was found in good condition with minor staining and over 10% uniform surface corrosion noted.



Overflow Condition

Overflow Location: 3 o'clock
 Coating Condition: Good/Fair
 Weld/Seam Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The overflow was found in good to fair condition with moderate staining and 5% uniform surface corrosion noted.



Ladder Condition

Ladder Location: 12 o'clock
Coating Condition: Good
Weld/Seam Condition: Good
Supports Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

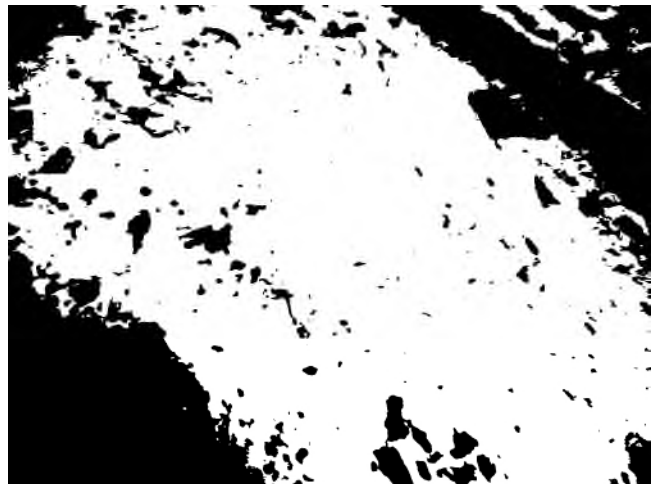
Summary: The ladder was found secure and in good condition with minor to moderate staining and the safety cable had rust noduling & corrosion present.



Floor Condition

Coating Condition: Poor
Welds/seam Condition: Fair
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Any irregularities or structural deficiencies? Y N

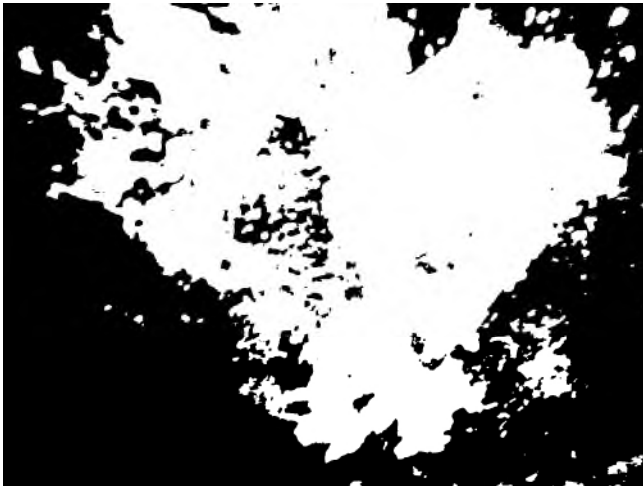
Summary: The floor is uneven and in poor condition with cracking, moderate de-lamination, staining and 50% rust noduling noted.



Wall Panel Condition

Coating Condition: Poor
Welds/seam Condition: Good
Corrosion Present On Panel? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Is Biofilm Present: Y N
Any irregularities or structural deficiencies? Y N

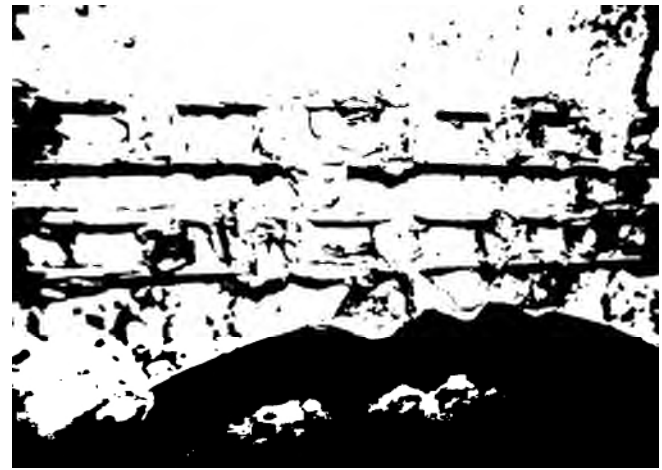
Summary: The interior wall was found in poor condition with heavy de-lamination, staining and 50% rust noduling noted.



Manway Condition

Manway Location(s): 1 o'clock & 6:45 o'clock
 Coating Condition: Both Fair/Poor
 Weld/Seam Condition: Both Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The manways were found in fair to poor condition with minor cracking, moderate staining, heavy blistering and rust noduling noted.



Inlet and Outlet Condition

Common Inlet/Outlet? Y N Location: 6:30 o'clock
 If Separate:
 Outlet Location: N/A
 Inlet Location: N/A
 Coating Condition: Good
 Weld/Seam Condition: Good
 Corrosion Present? Y N

Oxidation Present? Y N
 De-lamination Present? Y N

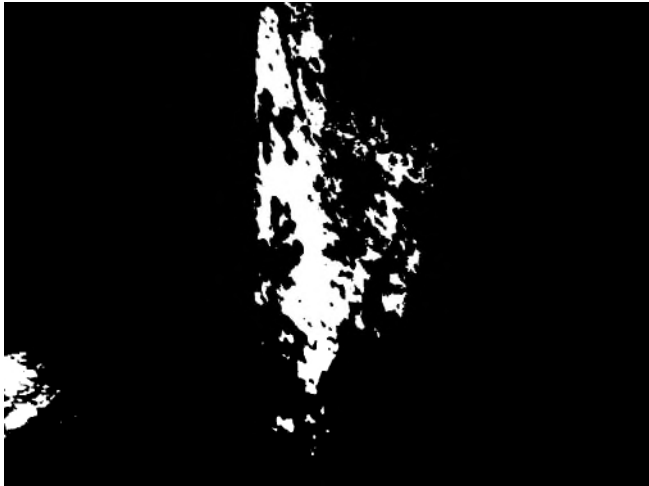
Summary: The common inlet/outlet was found in fair to poor condition with heavy staining and rust noduling noted.



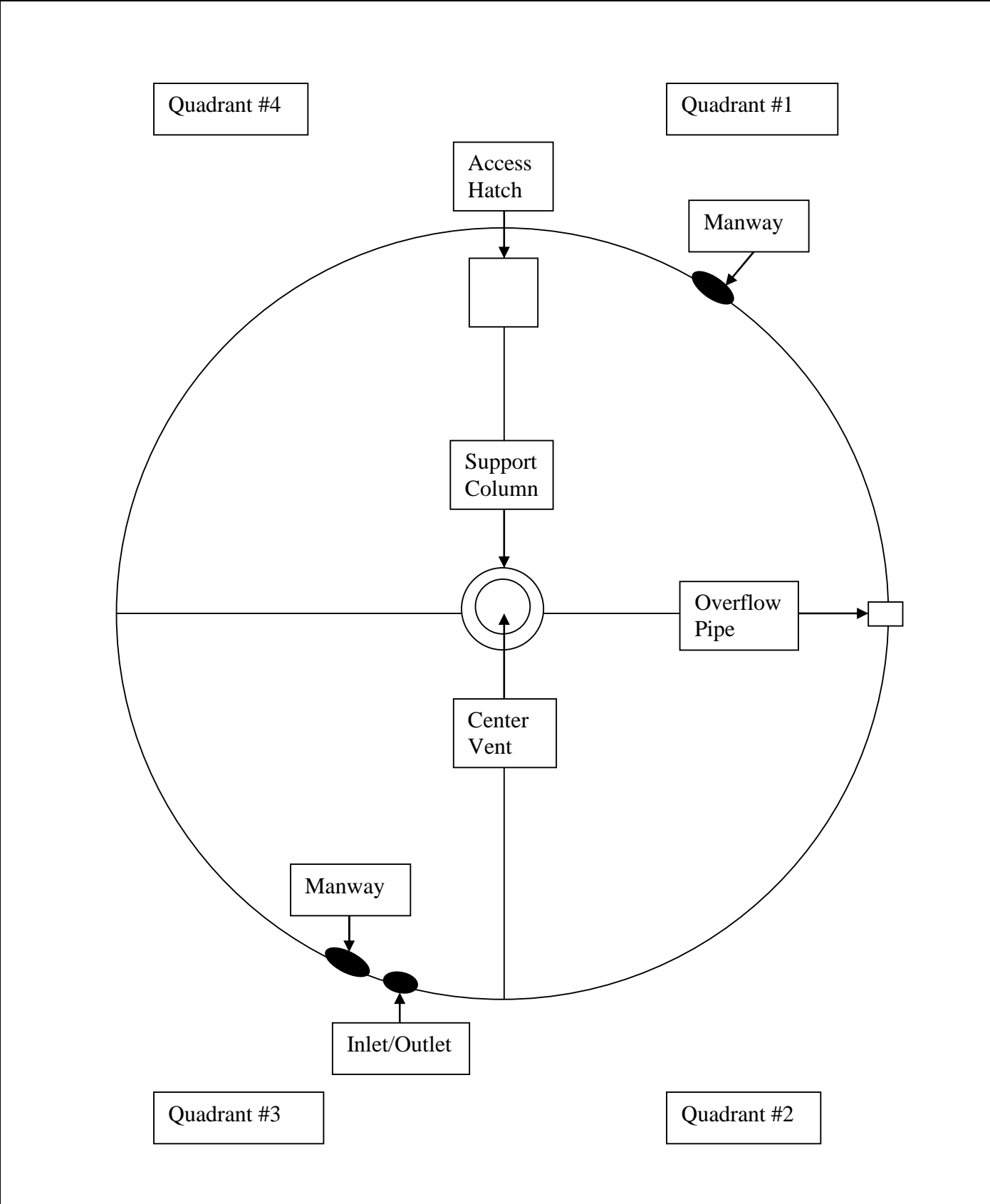
Support Column Condition

Number Of Columns: 1
Coating Condition: Good
Welds/seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

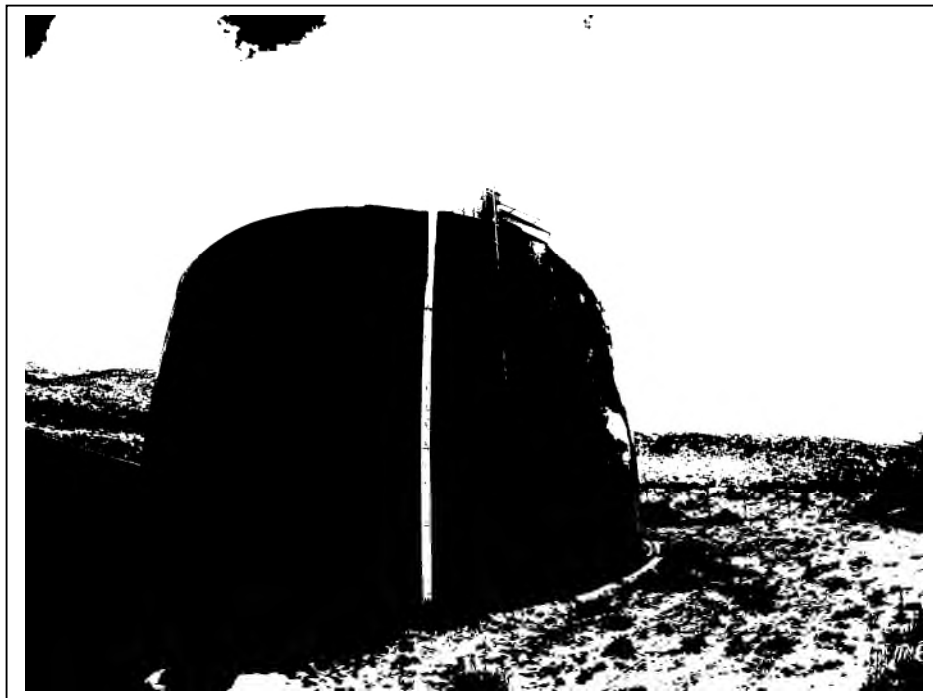
Summary: The support column was found secure and in fair condition with blistering, moderate staining, 1% uniform surface corrosion and 50% rust noduling noted.



Tank Layout



**Inspection Report for
Great Basin Water Company
Reno, NV**



**420KG Steel On-Grade
Cold Springs #3 Tank**

Date Completed: December 15, 2020

Commercial Dive Team:

**Diver – Elijah Cornier
Dive Controller – Ken Pietrovich
Tender – Nico LeBlanc**

Scope of Work:

A full visual inspection was performed of the tank interior and all interior fixtures. The team also performed a full visual inspection of the tank exterior and all attached fixtures. The details of the inspection findings are included in the report below.

Summary of the Inspection:

Exterior Inspection

1. There was good access to the tank. (In a gated area)
2. The base of the tank was found in good condition.
3. The overflow was found in good condition with moderate de-lamination, minor oxidation, chalking and staining noted and is directly connected to the storm drain.
4. The wall was found in fair to poor condition with minor chalking, staining, moderate oxidation and heavy de-lamination noted.
5. The manways were found in good condition with moderate de-lamination, minor staining and chalking noted.
6. The marker board was found in poor condition. The marker, cable and pulley hardware are missing.
7. The ladder was found secure, OSHA approved and in good condition.
8. The roof was found in good to fair condition with moderate to heavy de-lamination and moderate oxidation noted.
9. The hatch was found locked with a gasket in place and in fair condition with minor oxidation, moderate staining, heavy de-lamination and 33% uniform surface corrosion noted.
10. The vent was found in good condition with minor de-lamination, oxidation and 3% uniform surface corrosion noted.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now

Summary of the Inspection:

Interior Inspection

1. The interior roof was found in good to fair condition with heavy de-lamination and 10% uniform surface corrosion noted.
2. The ladder was found secure and in good condition with minor de-lamination, sags & runs in the coating, moderate staining and 0.01% rust noduling noted.
3. The overflow was found in good condition with minor oxidation, 0.01% rust noduling and 0.1% uniform surface corrosion noted.
4. The interior wall was found in good condition with minor to moderate staining and 0.01% rust noduling noted.
5. The floor was found in good condition with minor staining noted. 1/32 inch of sediment (iron & manganese) covered the tank floor.
6. The manways were found in good condition with moderate staining noted.
7. The common inlet/outlet was found in good condition with minor de-lamination and moderate staining noted.
8. The float was found in fair condition with 0.03% uniform surface corrosion noted. The cables were not attached.
9. The support column was found secure and in good to fair condition with moderate staining, 0.01% rust noduling and 0.1% uniform surface corrosion noted.

Recommendations:

1. Reattach the float cable and replace the marker.
2. Continue to schedule a clean and inspect every 3-5 years per AWWA recommendations.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now



Inland Potable Services, Inc.

Exterior Inspection Report



Foundation Condition

Foundation Exposed? Y N
 Anchor Bolts Present? Y N
 Corrosion on Anchor Bolts Present? Y N N/A
 Anchor Bolts Loose? Y N N/A
 Cracking Noted In Foundation? Y N N/A
 Spalling Noted? Y N N/A

Summary: The base of the tank was found in good condition.

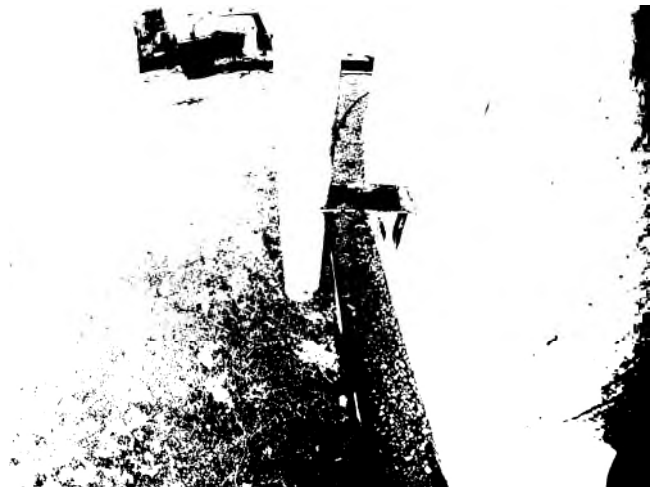


Overflow Structure Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Stand Off Supports Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Directly Connected To Sewer or Drain? Y N N/A

End Cap Present? Y N
 Hinge and Cap Condition: N/A
 #24 mesh Screen Present? Y N
 Condition: N/A

Summary: The overflow was found in good condition with moderate de-lamination, minor oxidation, chalking and staining noted and is directly connected to the storm drain.

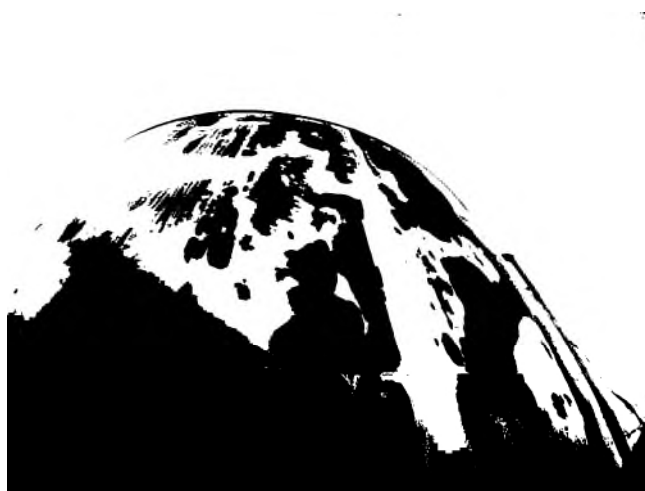
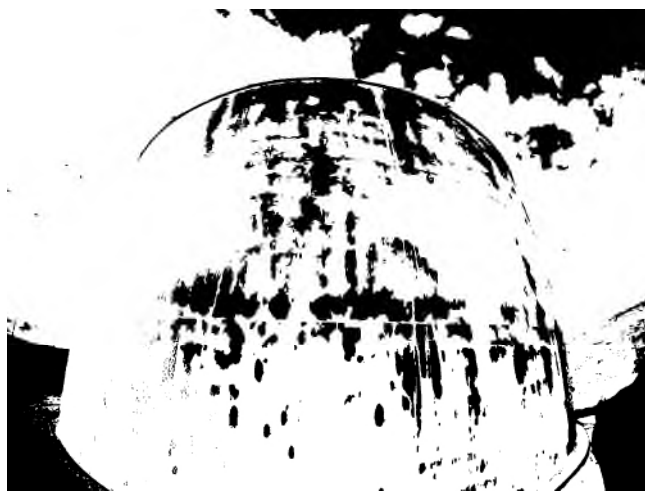


Wall Panel Condition

Coating Condition: Fair/Poor
Seams/Welds Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Dents Present? Y N

Holes Present? Y N
Signs Of Leaking? Y N

Summary: The wall was found in fair to poor condition with minor chalking, staining, moderate oxidation and heavy de-lamination noted.



Manway Condition

Coating Condition: Both Good
 Weld/Seam Condition: Both Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The manways were found in good condition with moderate de-lamination, minor staining and chalking noted.

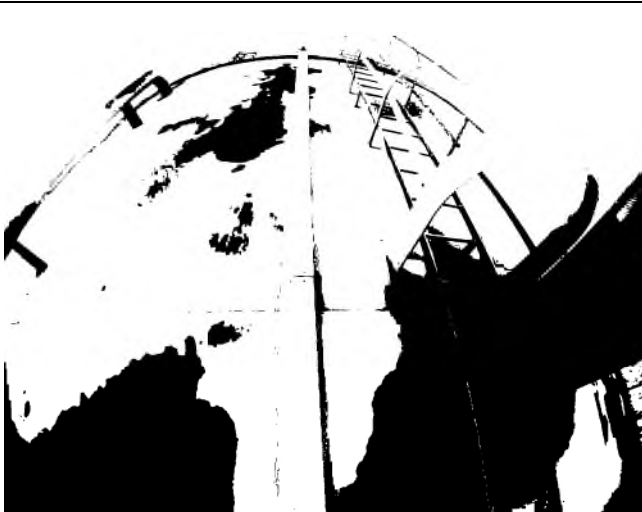


Water Level Indicator Condition

Marker Condition: Poor
 Attached & Accurate? Y N
 Marker Board Condition: Fair
 Is the level reading visible? Y N
 Pulley Condition: Poor
 Attached Properly? Y N

Cable Condition: Poor
 Attached Properly? Y N
 Hardware Condition: Poor
 Corrosion Present? Y N

Summary: The marker board was found in poor condition. The marker, cable and pulley hardware are missing.



Access Ladder Condition

Ladder Type: Steel welded
 Is Ladder and Safety Climb **OSHA** Approved? Y N
 Is Vandal Guard Present? Y N
 Locked? Y N N/A
 Safety Climb Type: Cage
 Safety Climb Condition: Good
 Is Top Of Tank Easily Accessible? Y N
 Coating Condition: Good
 Seams/Welds Condition: Good
 Stand Off Supports Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

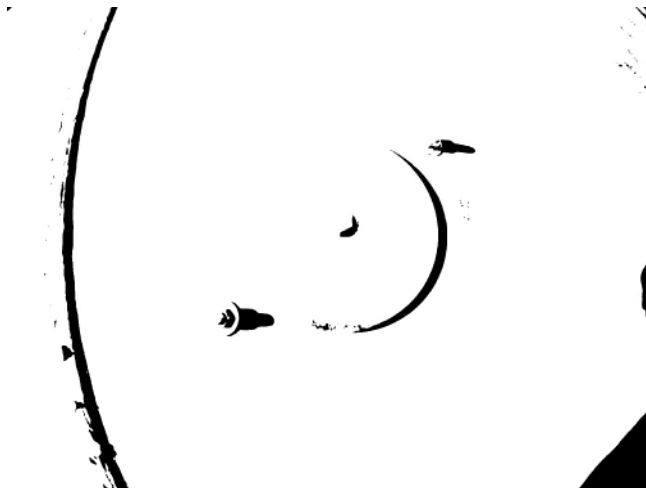
Summary: The ladder was found secure, OSHA approved and in good condition.



Roof Condition

Roof Type: Flat
 Coating Condition: Good/Fair
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Low Spots Present? Y N
 Holes in Roof? Y N
 Cathodic Protection Plates Present? Y N
 Sealed Edges: Y N N/A
 Loose Plates? Y N N/A
 Missing Plates? Y N N/A

Summary: The roof was found in good to fair condition with moderate to heavy de-lamination and moderate oxidation noted.



Access Hatch Condition

Coating Condition: Fair/Poor
 Seams/Welds Condition: Good
 Corrosion Present: Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Hatch Size: 2 foot square
 Riser Height: 4 inches Lid Height: 2 inches
 Hatch Locked? Y N
 Hinge Condition: Good

Gasket Present? Y N
 Intact? Y N N/A
 Insects, Dirt Or Debris Present Under Hatch? Y N

Summary: The hatch was found locked with a gasket in place and in fair to poor condition with minor oxidation, moderate staining, heavy de-lamination and 33% uniform surface corrosion noted.

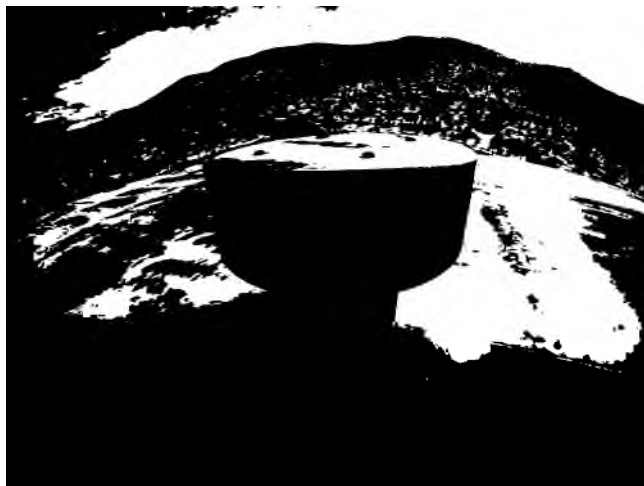


Vent Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present: Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 #24 Mesh Screen in Place? Y N
 Condition: Good

All Openings Sealed? Y N
 Cap Condition: Good

Summary: The vent was found in good condition with minor de-lamination, oxidation and 3% uniform surface corrosion noted.





Inland Potable Services, Inc.

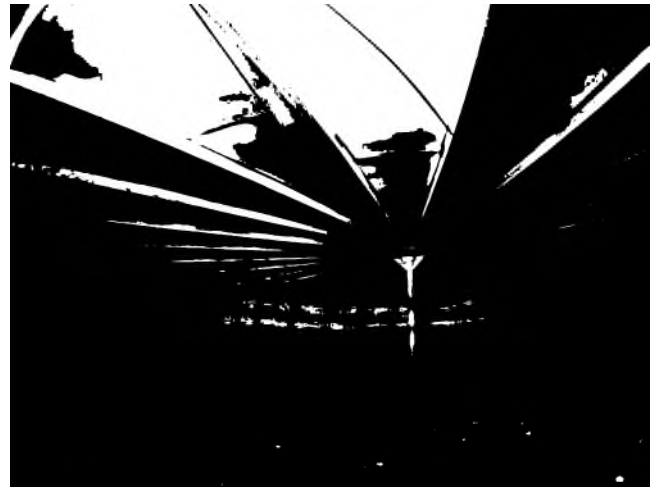
Interior Inspection Report



Roof Condition

Coating Condition: Good/Fair
 Welds/seam Condition: Good
 Corrosion Present On Panels? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The interior roof was found in good to fair condition with heavy de-lamination and 10% uniform surface corrosion noted.



Ladder Condition

Ladder Location: 12 o'clock
 Coating Condition: Good
 Weld/Seam Condition: Good
 Supports Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N

De-lamination Present? Y N

Summary: The ladder was found secure and in good condition with minor de-lamination, sags & runs in the coating, moderate staining and 0.01% rust noduling noted.



Overflow Condition

Overflow Location: 1 o'clock
Coating Condition: Good
Weld/Seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

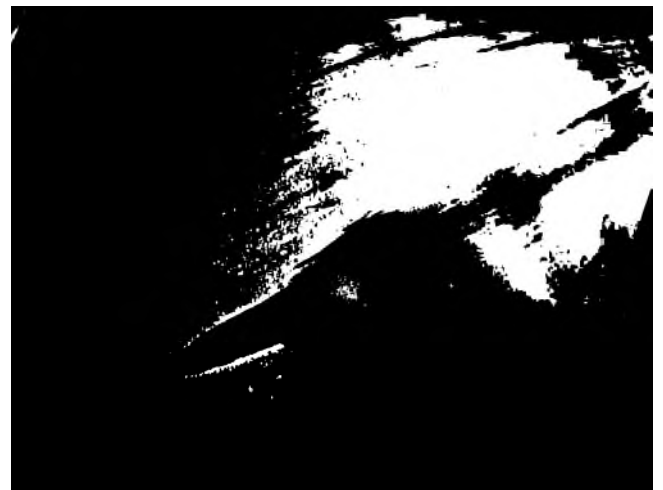
Summary: The overflow was found in good condition with minor oxidation, 0.01% rust noduling and 0.1% uniform surface corrosion noted.



Wall Panel Condition

Coating Condition: Good
Welds/seam Condition: Good
Corrosion Present On Panel? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Is Biofilm Present: Y N
Any irregularities or structural deficiencies? Y N

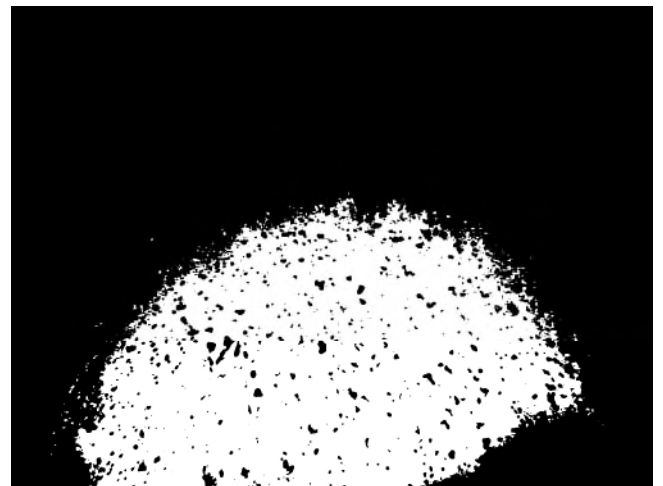
Summary: The interior wall was found in good condition with minor to moderate staining and 0.01% rust noduling noted.



Floor Condition

Coating Condition: Good
Welds/seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Any irregularities or structural deficiencies? Y N

Summary: The floor was found in good condition with minor staining noted. 1/32 inch of sediment (iron & manganese) covered the tank floor.

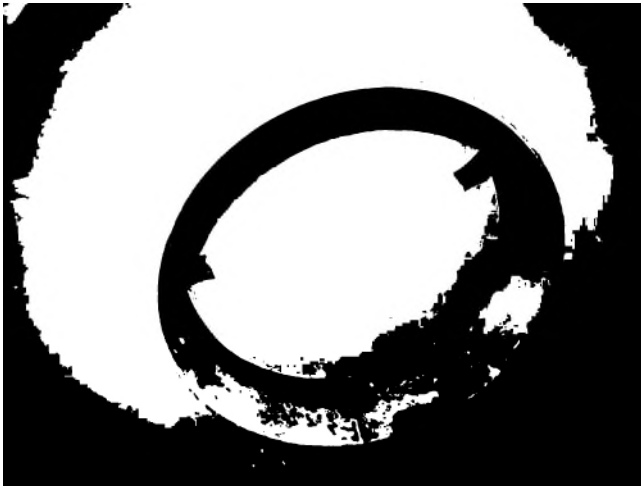


Manway Condition

Manway Location(s): 2:30 o'clock & 8 o'clock
Coating Condition: Both Good
Weld/Seam Condition: Both Good
Corrosion Present? Y N
Oxidation Present? Y N

De-lamination Present? Y N

Summary: The manways were found in good condition with moderate staining noted.

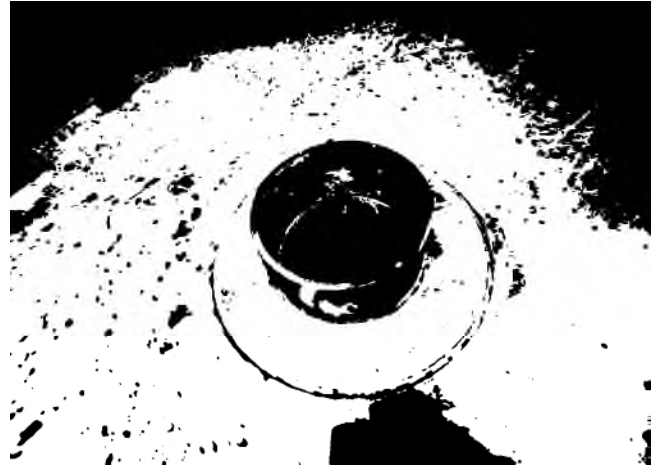
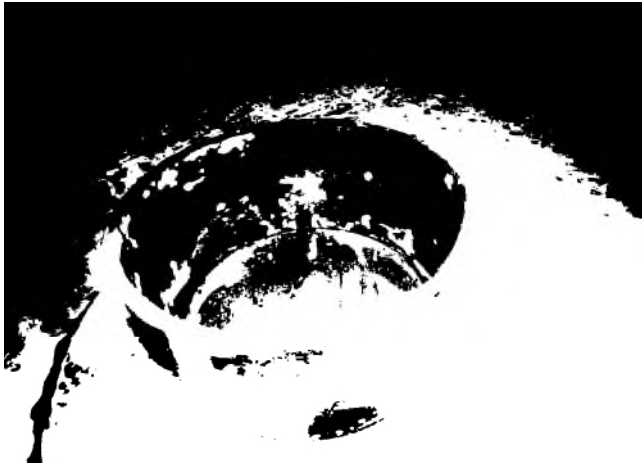


Inlet and Outlet Condition

Common Inlet/Outlet? Y N Location: 1 o'clock
 If Separate:
 Outlet Location: N/A
 Inlet Location: N/A
 Coating Condition: Good
 Weld/Seam Condition: Good
 Corrosion Present? Y N

Oxidation Present? Y N
 De-lamination Present? Y N

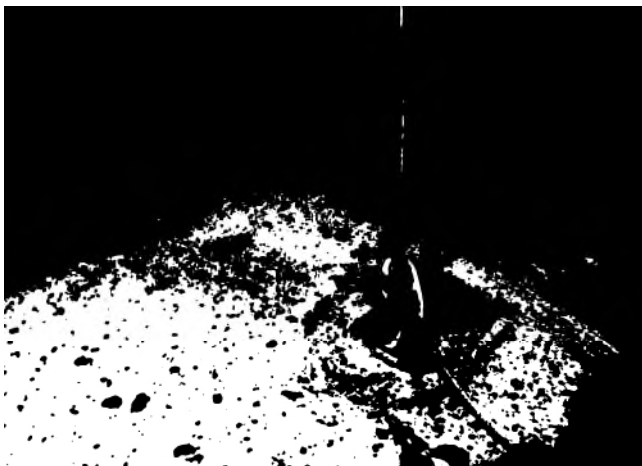
Summary: The common inlet/outlet was found in good condition with minor de-lamination and moderate staining noted.



Float Condition

Float Location: 11:55 o'clock
 Guidelines Condition: Good
 Attached Properly? Y N
 Cable Condition: Poor
 Attached Properly? Y N
 Hardware Condition: Good
 Corrosion Present? Y N
 Float Condition: Fair
 Sealed? Y N

Summary: The float was found in fair condition with 0.03% uniform surface corrosion noted. The cables were not attached.

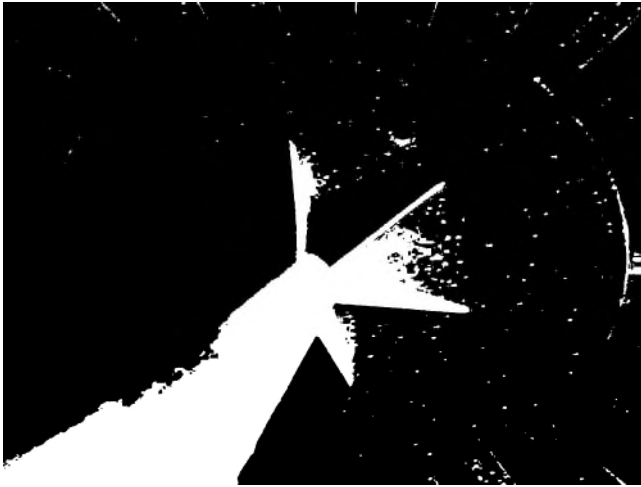


Support Column Condition

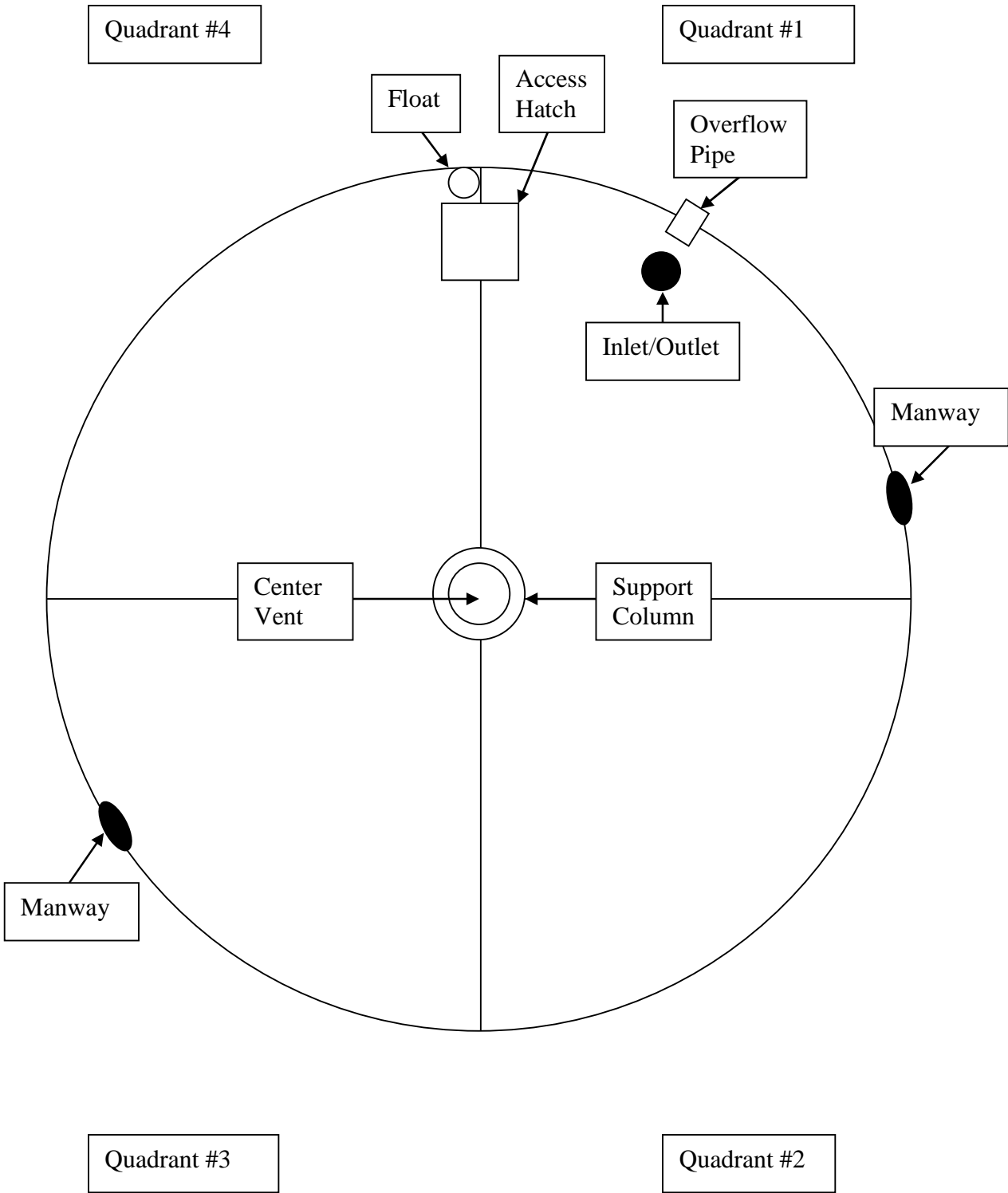
Number Of Columns: 1
Coating Condition: Good/Fair
Welds/seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N

De-lamination Present? Y N

Summary: The support column was found secure and in good to fair condition with moderate staining, 0.01% rust noduling and 0.1% uniform surface corrosion noted.



Tank Layout



**Inspection Report for
Great Basin Water Company
Reno, NV**



East Side



West Side



North Side



South Side

**Cold Springs
1.3MG Steel On-Grade
Tank #4**

Date Completed: May 13, 2019

Commercial Dive Team:

**Diver – Carl Repasi
Dive Controller – Nico LeBlanc
Tender – James Strickland**

Scope of Work:

Our team completed sediment removal using underwater vacuum equipment. Sediment depth, averaging 1/16 inch (iron & manganese), was removed from the tank floor. When the cleaning process was finished, a full visual inspection was performed of the tank interior and all interior fixtures. The team also performed a full visual inspection of the tank exterior and all attached fixtures. The details of the inspection findings are included in the report below.

Summary of the Inspection:

Exterior Inspection

1. There was good access to the tank. (In a gated area)
2. The base of the tank was found in good condition.
3. The wall was found in good condition with minor de-lamination and moderate chalking noted.
4. The overflow was found in good condition with minor staining noted and is directly connected to the storm drain.
5. The manway was found secure and in good condition with minor de-lamination noted.
6. The water level indicator board is readable but the marker is missing. Loose cable dangling next to board.
7. The hatch was found locked with no gasket present and in good condition with moderate staining and 16% uniform surface corrosion noted.
8. The ladder was found secure, OSHA approved and in good condition with moderate chalking noted.
9. The roof was found in good condition with minor de-lamination noted.
10. All the vents were found in good condition with minor staining and chalking noted. The vent in Quadrant 2 is missing a bolt.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now

Summary of the Inspection:

Interior Inspection

1. The interior roof was found in fair condition with heavy staining and 50% uniform surface corrosion noted.
2. The overflow was found in good condition with heavy staining noted.
3. The interior wall was found in good to fair condition with minor blistering, heavy staining and 10% rust noduling noted.
4. The floor was found in good to fair condition with moderate to heavy staining and 10% rust noduling noted.
5. The manways were found in good to fair condition with minor sags & runs in the coating, heavy staining and 0.1% rust noduling noted.
6. The inlet was found in good condition with heavy staining noted.
7. The outlet was found in good condition with heavy staining noted.
8. The float was found in good condition. Guide lines in place and attached to the floor. No cable to attach to exterior marker.
9. The support column was found secure and in fair condition with moderate blistering, 3% uniform surface corrosion and rust noduling noted.

Recommendations:

1. Install a gasket on the access hatch.
2. Install a new marker on the water level indicator board and attach cable to the float.
3. Schedule a blast and recoat of the interior as soon as budgets will allow. If, within 3 years, the recoating has not been completed, schedule a follow-up clean and inspect as recommended by the AWWA.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now



Inland Potable Services, Inc.

Exterior Inspection Report

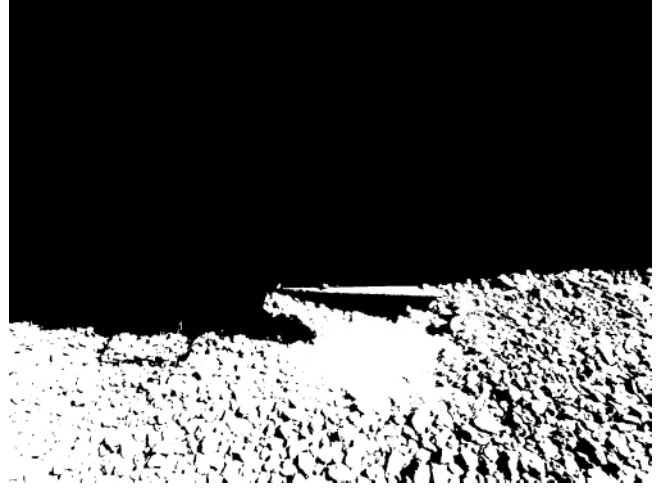


Foundation Condition

Foundation Exposed? Y N
Anchor Bolts Present? Y N
Corrosion on Anchor Bolts Present? Y N N/A
Anchor Bolts Loose? Y N N/A

Cracking Noted In Foundation? Y N N/A
Spalling Noted? Y N N/A

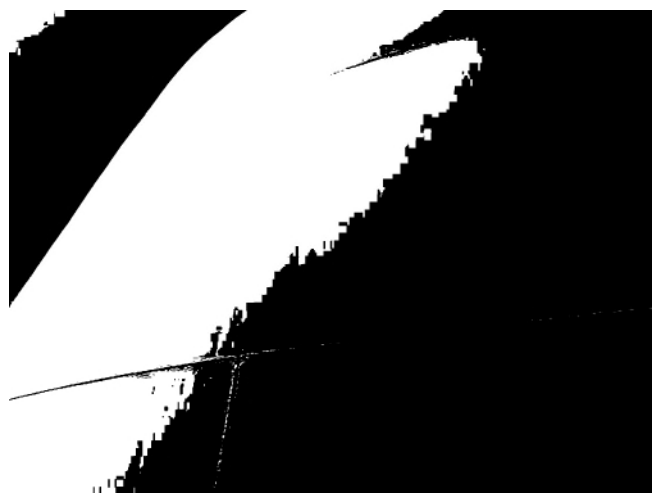
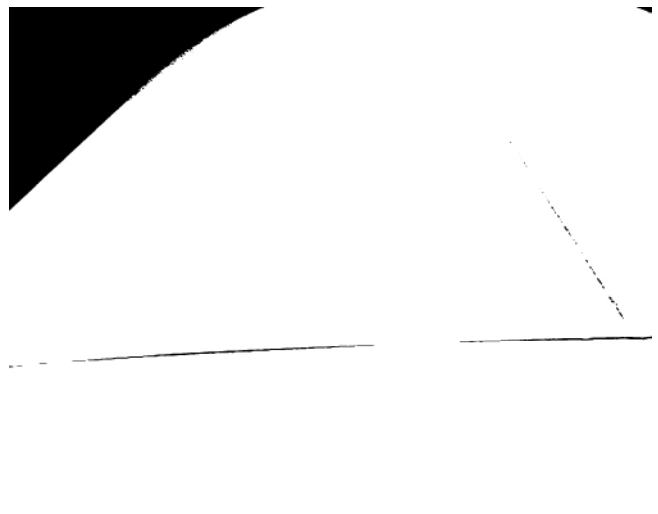
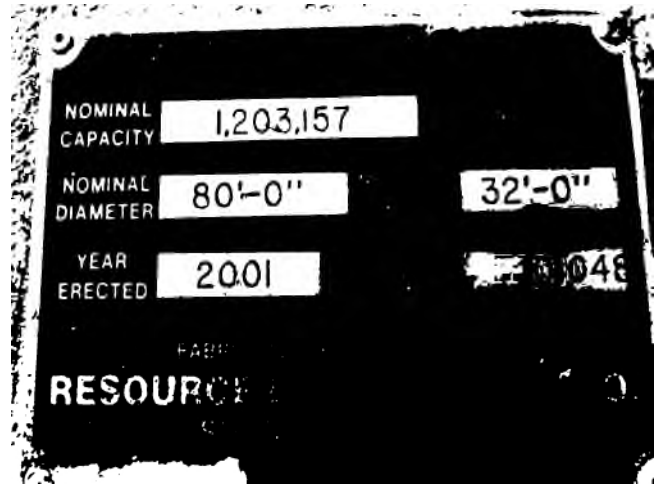
Summary: The base of the tank was found in good condition.



Wall Panel Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Dents Present? Y N
 Holes Present? Y N
 Signs Of Leaking? Y N

Summary: The wall was found in good condition with minor de-lamination and moderate chalking noted.



Overflow Structure Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Stand Off Supports Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Directly Connected To Sewer or Drain? Y N N/A
 End Cap Present? Y N
 Hinge and Cap Condition: N/A
 #24 mesh Screen Present? Y N
 Condition: N/A

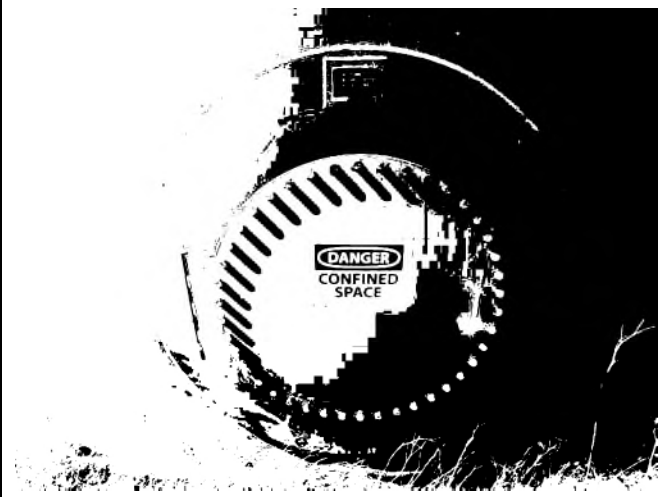
Summary: The overflow was found in good condition with minor staining noted and is directly connected to the storm drain.



Manway Condition

Coating Condition: Good
 Weld/Seam Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The manway was found secure and in good condition with minor de-lamination noted.



Water Level Indicator Condition

Marker Condition: Poor
 Attached & Accurate? Y N

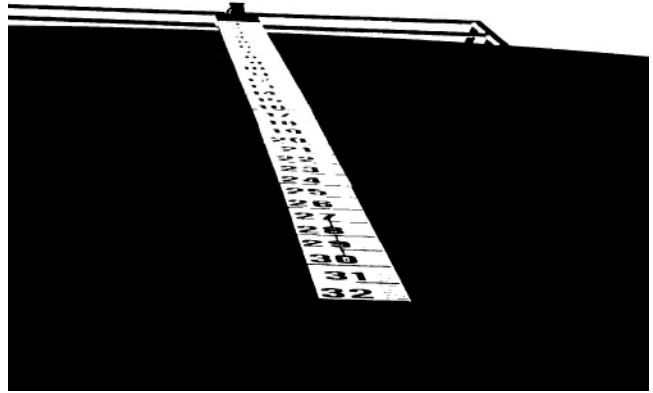
Marker Board Condition: Good
 Is the level reading visible? Y N

Pulley Condition: Poor
 Attached Properly? Y N

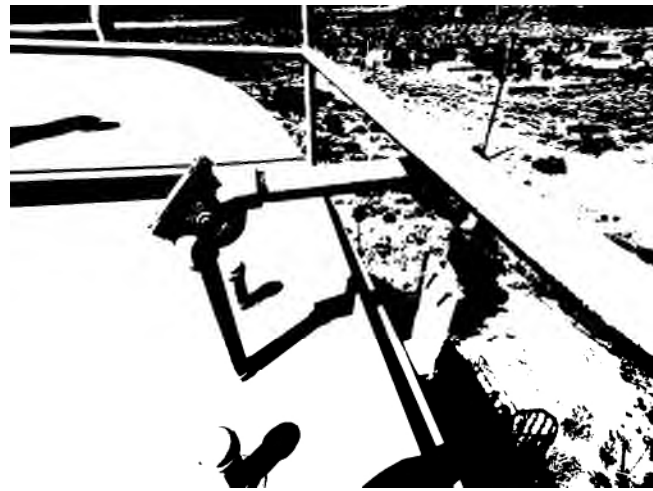
Cable Condition: Poor
 Attached Properly? Y N

Hardware Condition: Good
 Corrosion Present? Y N

Summary: The water level indicator board is readable but the marker is missing. Loose cable dangling next to board.



Pulley for water level indicator



Pulley for water level indicator

Access Hatch Condition

Coating Condition: Fair
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Hatch Size: 2 foot square
 Riser Height: 4 inches Lid Height: 2 inches
 Hatch Locked? Y N
 Hinge Condition: Good
 Gasket Present? Y N
 Intact? Y N N/A
 Insects, Dirt Or Debris Present Under Hatch? Y N

Summary: The hatch was found locked with no gasket present and in good condition with moderate staining and 16% uniform surface corrosion noted.



Access Ladder Condition

Ladder Type: Steel welded

Is Ladder and Safety Climb **OSHA** Approved? Y N

Is Vandal Guard Present? Y N

Locked? Y N N/A

Safety Climb Type: Cage

Safety Climb Condition: Good

Is Top Of Tank Easily Accessible? Y N

Coating Condition: Good

Seams/Welds Condition: Excellent

Stand Off Supports Condition: Good

Corrosion Present? Y N

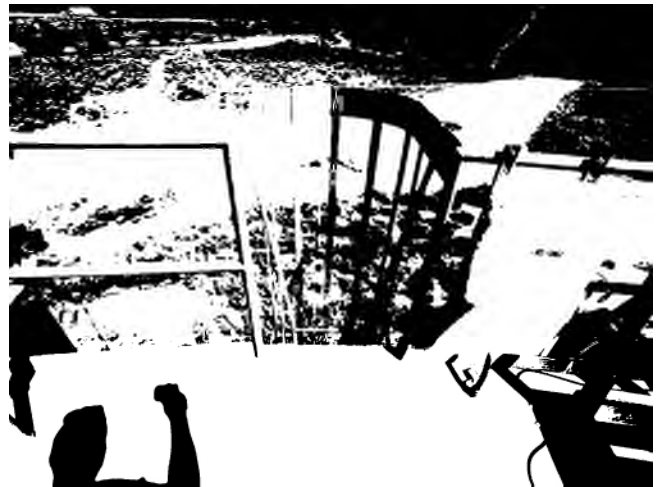
Oxidation Present? Y N

De-lamination Present? Y N

Summary: The ladder was found secure, OSHA approved and in good condition with moderate chalking noted.



Bottom of ladder

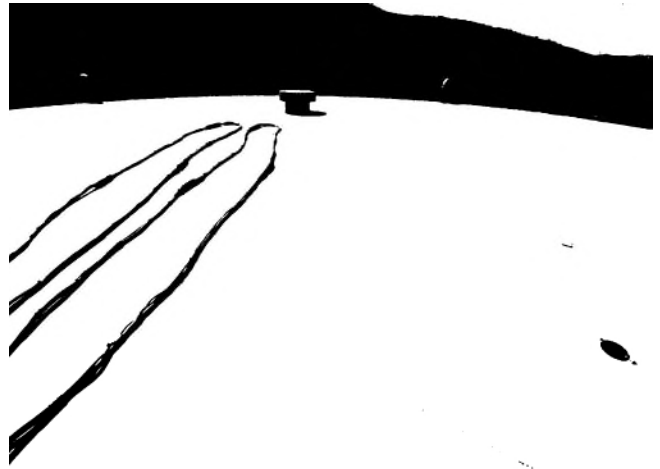


Top of safety cage

Roof Condition

Roof Type: Pitched
 Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Low Spots Present? Y N
 Holes in Roof? Y N
 Cathodic Protection Plates Present? Y N
 Sealed Edges: Y N N/A
 Loose Plates? Y N N/A
 Missing Plates? Y N N/A

Summary: The roof was found in good condition with minor de-lamination noted.



Overall



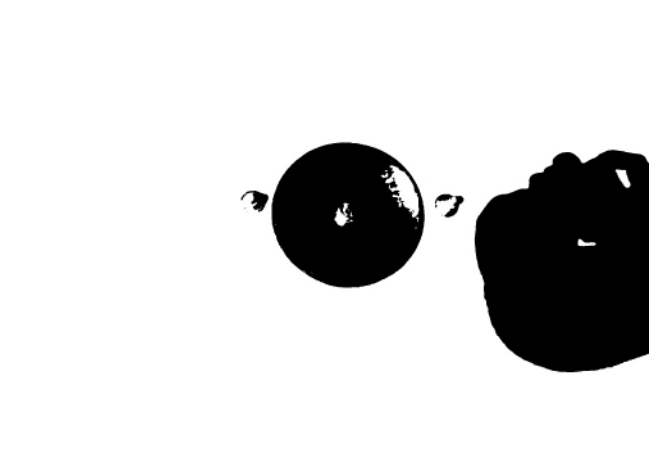
De-lamination



De-lamination



De-lamination



Cathodic plate

Vent Condition

Coating Condition: All Good
Seams/Welds Condition: All Good
Corrosion Present: Y N
Oxidation Present? Y N
De-lamination Present? Y N
#24 Mesh Screen in Place? Y N
Condition: All Good
All Openings Sealed? Y N
Cap Condition: Good

Summary: All the vents were found in good condition with minor staining and chalking noted. The vent in Quadrant 2 is missing a bolt.



Missing bolt



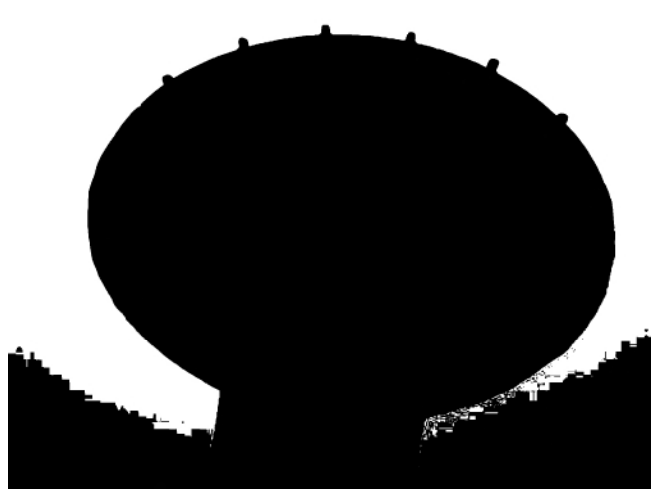
Vent #1



Screen on vent #1



Vent #2



Screen on vent #2

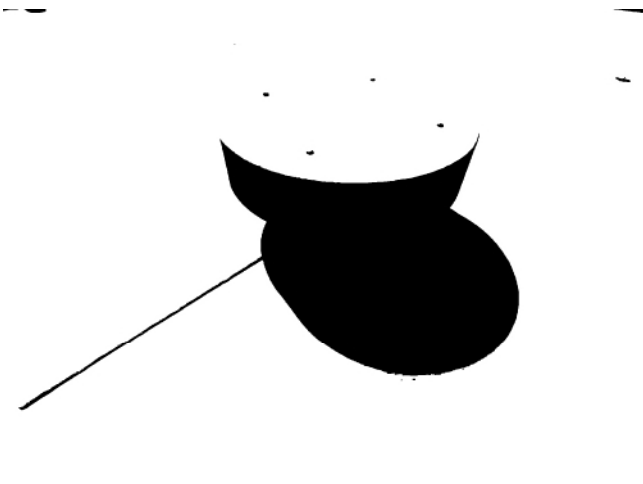
Vent Condition continued



Vent #3



Screen on vent #3



Vent #4



Screen on vent #4



Inland Potable Services, Inc.

Interior Inspection Report



Roof Condition

Coating Condition: Fair
 Welds/seam Condition: Good/Fair
 Corrosion Present On Panels? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The interior roof was found in fair condition with heavy staining and 50% uniform surface corrosion noted.



Overflow Condition

Overflow Location: 12:30 o'clock
 Coating Condition: Good
 Weld/Seam Condition: Fair
 Corrosion Present? Y N
 Oxidation Present? Y N

De-lamination Present? Y N

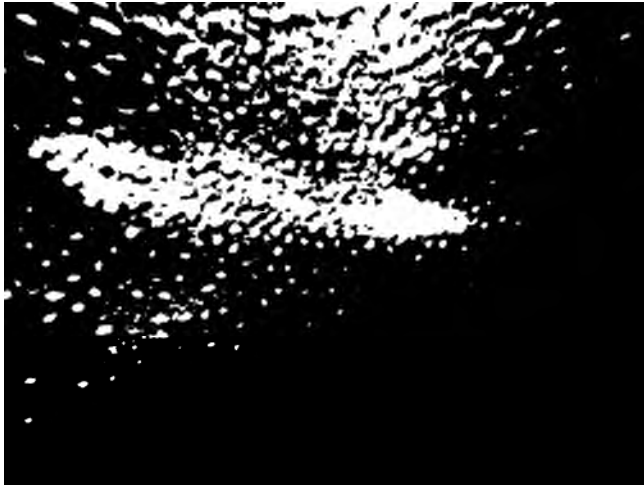
Summary: The overflow was found in good condition with heavy staining noted.



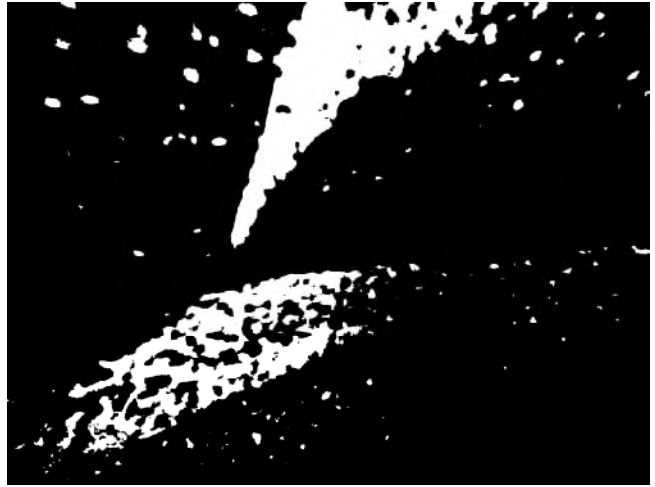
Wall Panel Condition

Coating Condition: Good/Fair
Welds/seam Condition: Good
Corrosion Present On Panel? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Is Biofilm Present: Y N
Any irregularities or structural deficiencies? Y N

Summary: The interior wall was found in good to fair condition with minor blistering, heavy staining and 10% rust noduling noted.



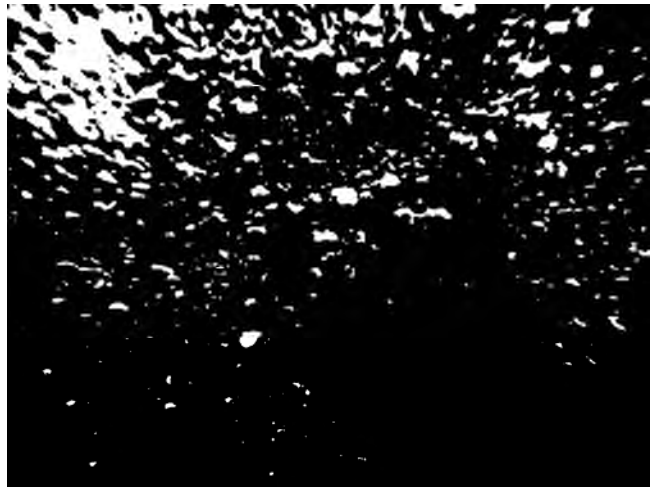
Blistering



Blistering



Noduling



Noduling

Floor Condition

Coating Condition: Good/Fair
Welds/seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Sediment Depth: 1/16 inch
Any irregularities or structural deficiencies? Y N

Summary: The floor was found in good to fair condition with moderate to heavy staining and 10% rust noduling noted.



Floor to wall seam



Noduling



Noduling



Noduling



Noduling

Manway Condition

Manway Location(s): 1 o'clock & 7 o'clock
Coating Condition: Both Fair/Poor
Weld/Seam Condition: Both Good
Corrosion Present? Y N
Oxidation Present? Y N

De-lamination Present? Y N

Summary: The manways were found in good to fair condition with minor sags & runs in the coating, heavy staining and 0.1% rust noduling noted.



Manway #1



Lower section of riser on manway #1



Seam of manway #1



Riser noduling on riser of manway #1



Manway #2



Seam of manway #2

Inlet and Outlet Condition

Common Inlet/Outlet? Y N Location: N/A
 If Separate:
 Inlet Location: 3 o'clock
 Coating Condition: Good
 Weld/Seam Condition: Good
 Corrosion Present? Y N

Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The inlet was found in good condition with heavy staining noted.



Common Inlet/Outlet? Y N Location: N/A
 If Separate:
 Outlet Location: 12:30 o'clock
 Coating Condition: Good
 Weld/Seam Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The outlet was found in good condition with heavy staining noted.



Float Condition

Float Location: 11:50 o'clock

Guidelines Condition: Good

Attached Properly? Y N

Cable Condition: Poor

Attached Properly? Y N

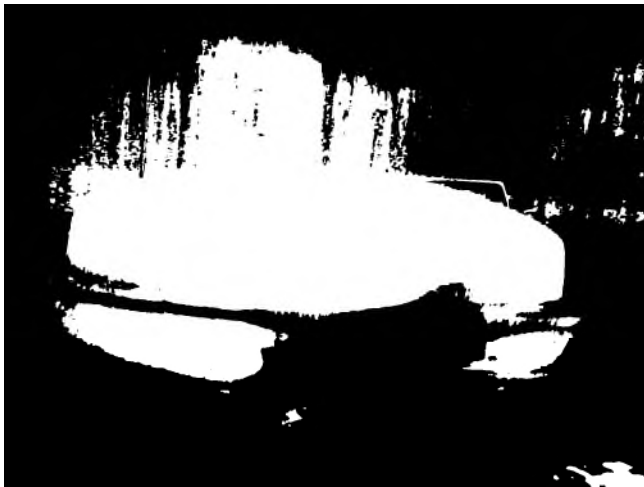
Hardware Condition: Good

Corrosion Present? Y N

Float Condition: Good

Sealed? Y N

Summary: The float was found in good condition. Guide lines in place and attached to the floor. No cable to attach to exterior marker.



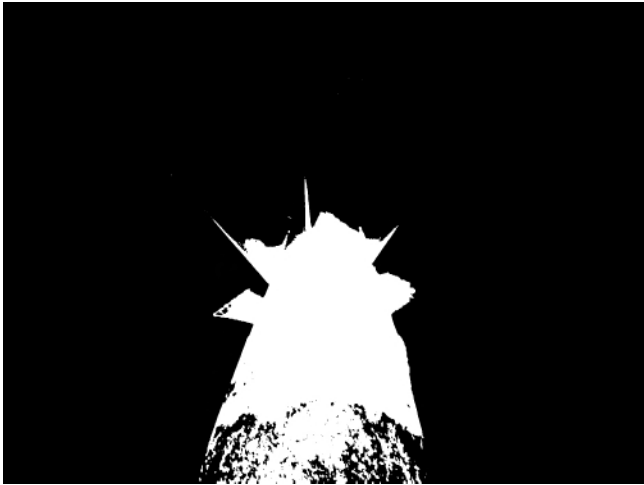
Guidelines for float

Support Column Condition

Number Of Columns: 1
Coating Condition: Good/Fair
Welds/seam Condition: Good/Fair
Corrosion Present? Y N
Oxidation Present? Y N

De-lamination Present? Y N

Summary: The support column was found secure and in fair condition with moderate blistering, 3% uniform surface corrosion and rust noduling noted.



Top of column



Midsection of column

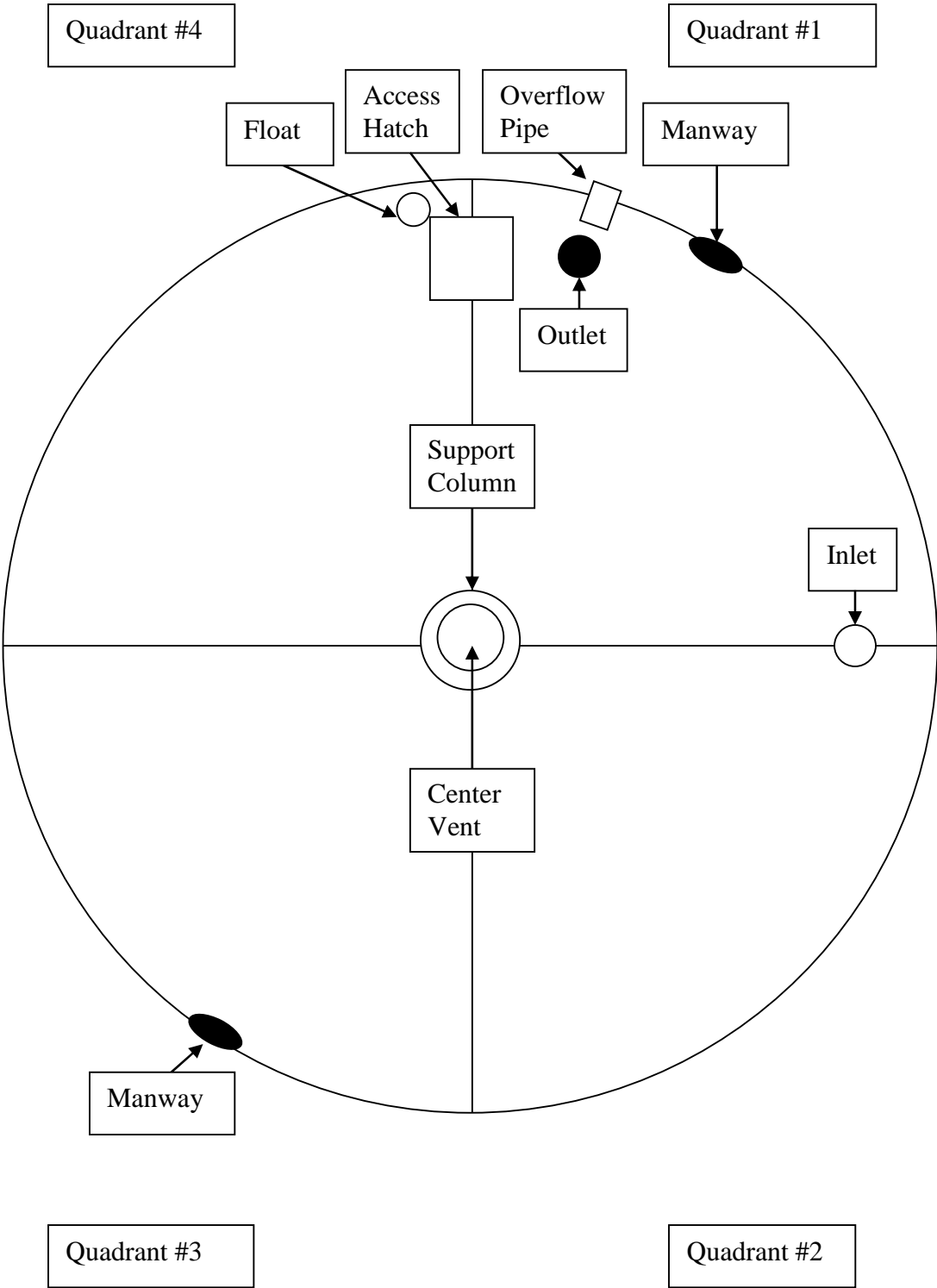


Base of column



Close-up of base

Tank Layout

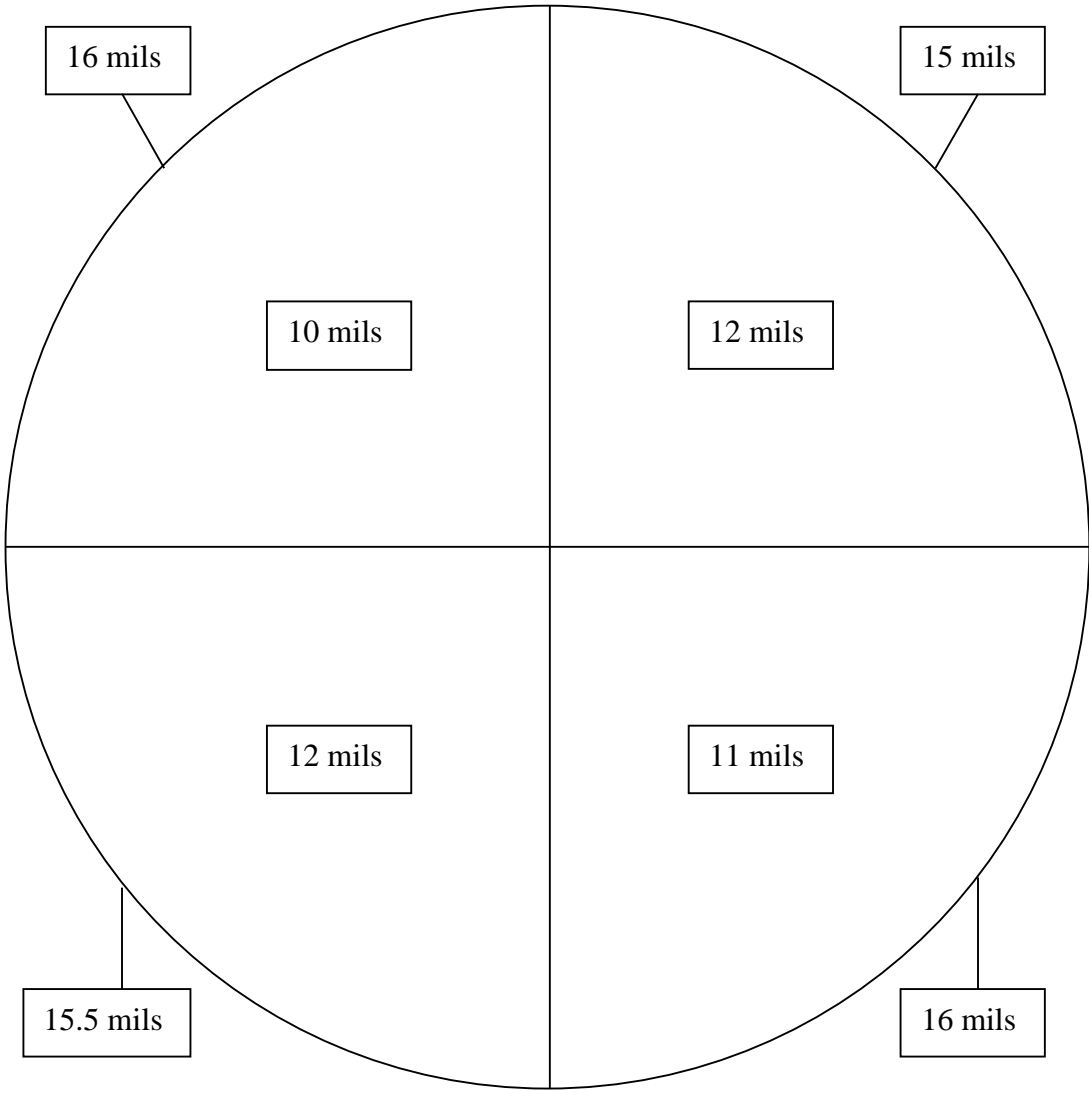


Tank Layout

Roof and Wall Coating Thickness Measurements

Quadrant #4

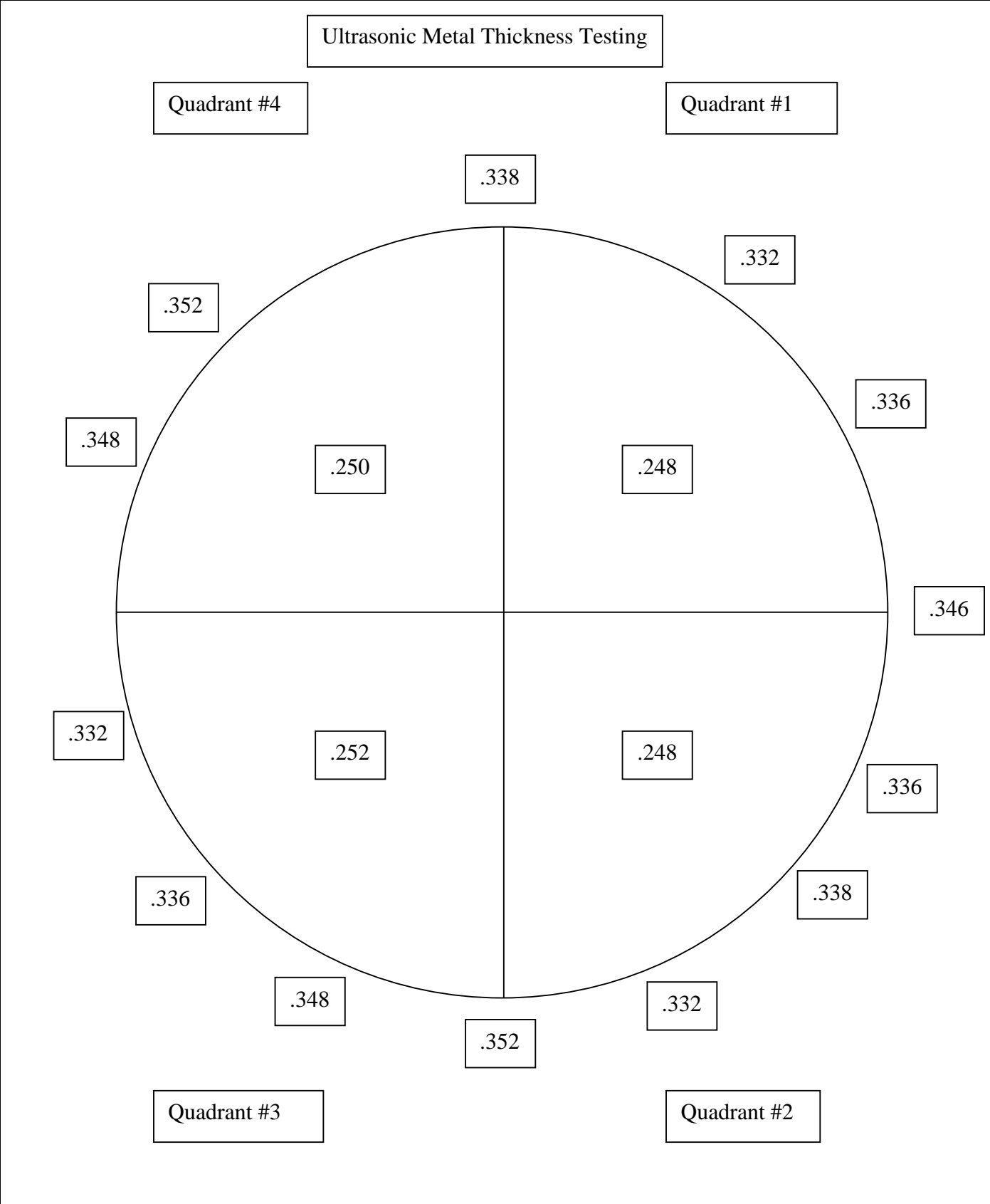
Quadrant #1



Quadrant #3

Quadrant #2

Tank Layout



Great Basin Water Company – Cold Springs Division (Volume IV)

Sanitary Survey

August 13, 2020

Marc Rohus
1005 Terminal Way Suite 294
Reno, NV 89502

Sanitary Survey of Great Basin Water Co Cold Springs (NV0000207)

This letter serves as the report of the Sanitary Survey conducted by the Washoe County Health District of the Great Basin Water Co Cold Springs Public Water System on Tuesday, June 15, 2020.

Parties Present

Ellen Messinger-Patton (Washoe County Health District)
Marc Rohus (Great Basin Water Co)
Darrin Lewis (Great Basin Water Co)

Significant Deficiencies

A significant deficiency is an issue that has the potential to cause the introduction of contamination into water that is delivered to customers. Eight (8) significant deficiencies were noted during the sanitary survey, which are outlined below. Some descriptions have been combined if the deficiency is the same for two or more facilities.

To correct these deficiencies, you must:

- 1) Send a written response to WCHD by **September 27, 2020**. The written response needs to include a summary of your plan for addressing the deficiencies. If you are unable to complete the corrective actions by the due date, request an extension with your written response. WCHD will approve or deny the extension request. Requests for extensions must be submitted before corrective action due dates.
- 2) The required corrective actions must be completed by **December 11, 2020**, unless the water system is granted an extension. Photographs and other requested documentation of deficiency resolution must be submitted to WCHD within 30 days of the corrective action deadline.

Deficiency ID: 1

Facility: Sweger Well (Well 8)

Description: SRC WL Vent Pipe Height and Screen; The well casing must be equipped with a vent pipe with proper height, orientation, and screen. NAC 445A.6692; 2

Comment: *Observed pipe from air release not screened and dripping water. Screen this pipe to prevent contamination.*

Deficiency ID: 2, 3

Facility: Well 6, Well 7

Description: SRC WL Sanitary Condition of Wellhead Vicinity; Wellhead areas must be maintained in a sanitary manner to prevent unwanted contaminants from impacting water quality. NAC 445A.66655 and NAC 445A.66865; 18

Comment: *Well house is beginning to deteriorate, and is not provide adequate or sanitary protection of well head. This well house must be repaired or replaced so that it provides adequate protection of well. PWS must provide WCHD with timeline for repair and replacement. This timeline will be subject to WCHD approval.*

Deficiency ID: 4

Facility: Vandyke Well

Description: SRC WL Contaminant Sources in Capture Zone; Systems must report any new contaminant sources or unplugged abandoned wells in the well source water protection area. NAC 445A.66865; 19

Comment: *Observed undocumented test well inside of well enclosure. PWS stated that this well is not tied in to the water system. This well's purpose must be clearly identified, and its use approved by WCHD/BSDW. PWS may be required to designate this as a monitoring well, or abandon the well. If the well is required to be abandoned, facility will be required to obtain permit and inspection through WCHD.*

Deficiency ID: 5

Facility: Storage Tank 1 420K

Description: Contamination Protection; The storage facility must be maintained to prevent pollution and contamination by way of leaks and openings (prevent entrance of rain, surface water, dust, birds, insects, and other animals). NAC 445A.6708.4 and 445A.67095; 2

Comment: *Observed significant leaks on sides of tank. PWS has attempted to fix this by tightening bolts, but has been unsuccessful. This tank must be repaired or replaced so that it does not leak, and provides sanitary storage of finished water. PWS must provide WCHD with timeline for repair or replacement of tank.*

Deficiency ID: 6

Facility: Storage Tank 1 420K

Description: Overflow Pipe; Storage facility's overflow pipe must be adequately sized, the terminus must be screened or equipped with a flapper valve, must have a splash plate or other erosion prevention measures, and the terminus must be air gapped to daylight. NAC 445A.6708.3; 19

Comment: *Clear plant growth from terminus of overflow pipe. Observed constant leak from overflow pipe- facility may consider lowering water level in tank so that it is not constantly overflowing. A consistent and steady stream of water from the terminus of the overflow pipe is contributing to the significant plant growth in the area.*

Deficiency ID: 7

Facility: Storage Tank 2 420K

Description: Overflow Pipe; Storage facility's overflow pipe must be adequately sized, the terminus must be screened or equipped with a flapper valve, must have a splash plate or other

erosion prevention measures, and the terminus must be air gapped to daylight. NAC 445A.6708.3; 19

Comment: Observed second pipe terminus next to overflow pipe. PWS unable to determine if this pipe serves as a secondary overflow or other purpose. PWS must identify how this pipe is connected to the tank, and ensure that it is being used in a sanitary manner. Provide WCHD with report on what pipe is used for, and how it is maintained in a sanitary condition. If pipe use is not approved by WCHD, it may be required to be abandoned.

Deficiency ID: 8

Facility: Storage Tank 3 417K

Description: Overflow Pipe; Storage facility's overflow pipe must be adequately sized, the terminus must be screened or equipped with a flapper valve, must have a splash plate or other erosion prevention measures, and the terminus must be air gapped to daylight. NAC 445A.6708.3; 19

Comment: Observed terminus of overflow pipe surrounded by significant amount of debris. Clear this area so that the overflow pipe is unobstructed.

Other Deficiencies

The following minor deficiencies must be corrected to ensure adequate long-term protection of the water system. Provide evidence of any corrective actions taken to Washoe County Health District. Some descriptions have been combined if the deficiency is the same for two or more facilities.

Deficiency ID: 9, 10, 11, 12

Facility: Storage Tank 1, Storage Tank 2, Storage Tank 3, Storage Tank 4

Description: Inspection Access; Storage facilities must be constructed to provide access for inspection and cleaning. NAC 445A.67075 (AWWA Standards) and NAC 445A.6708; 1

Comment: WCHD unable to access top of tank due to PWS policy. PWS must provide WCHD with clear and labeled pictures of the following un-inspected tank element: (1) tank vent with screening (2) tank hatch open (3) tank hatch closed (4) interior of tank and sediment levels (5) top of tank. Pictures may be emailed to WCHD. Further corrective action may be required after these pictures are provided to WCHD. PWS may be required to provide third-party inspection reports of tank.

Deficiency ID: 13

Facility: Storage Tank 2

Description: Base or Foundation Problems; The storage facility has problems with the base/foundation. NAC 445A.6708.1(b); 3

Comment: Observed significant weed growth around base of tank. Ensure these weeds are cleared on regular basis.

Deficiency ID: 14

Facility: Storage Tank 1

Description: Ladder Access Secured; Storage facility's access ladder must be secured to prevent access by unauthorized persons. NAC 445A.6709.1; 22

Comment: *PWS must better secure tank ladder access. The ladder is poorly secured by a loose and flimsy hatch. Repair or replace this hatch so that it only allows authorized access to tank.*

Deficiency ID: 15

Facility: Touraco Booster Pump Station

Description: Sanitary Maintenance of Facility; Pumping stations must be maintained in a sanitary manner to prevent unwanted contamination and protect water quality. 445A.66965/445A.6702.2; 14

Comment: *Observed significant debris in bottom on vault. Clean this area and maintain in a sanitary condition.*

Monitoring and Reporting

No monitoring violations, Maximum Contaminant Level (MCL) violations, positive bacteriological samples, or other violations were issued during the past year.

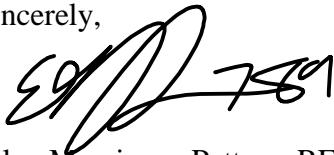
Reminders

Most regulations, guidance documents, and forms for the Nevada Division of Environmental Protection (NDEP) can be found at <https://ndep.nv.gov/water/drinking-water>.

Additional information and guidance is available on the EPA's Office of Ground Water and Drinking Water website (www.epa.gov/safewater) or at the Safe Drinking Water hotline (1-800-426-4791).

If you have any questions, please contact me at epatton@washoecounty.us.

Sincerely,



Ellen Messinger-Patton, REHS, Environmental Health Specialist
Environmental Health Services, Washoe County Health District

Enclosures: GWR Significant Deficiency Attachment

ec: David Kelly, REHS, Environmental Health Specialist Supervisor, WCHD
Andrea Seifert, P.E., PWS Compliance Branch Supervisor, NDEP-BSDW

Great Basin Water Company – Spanish Springs Division (Volume V)

Tank Inspection Reports

**Inspection Report for
Great Basin Water Company
Reno, NV**



East Side

West Side



North Side

South Side

**Spanish Springs
300KG Steel On-Grade
Twin Tank 1A**

Date Completed: May 15, 2019

Commercial Dive Team:

**Diver – Cory Repasi
Dive Controller – Nico LeBlanc
Tender – James Strickland**

Scope of Work:

Our team completed sediment removal using underwater vacuum equipment. Sediment depth, averaging 1/16 inch (manganese), was removed from the tank floor. When the cleaning process was finished, a full visual inspection was performed of the tank interior and all interior fixtures. The team also performed a full visual inspection of the tank exterior and all attached fixtures. The details of the inspection findings are included in the report below.

Summary of the Inspection:

Exterior Inspection

1. There was good access to the tank. (In a gated area)
2. The base of the tank was found in good condition.
3. The wall was found in good condition with minor chalking noted.
4. The manway was found secure and in good condition with minor chalking and 0.01% uniform surface corrosion noted.
5. The water level indicator was found in poor condition with no cable attached.
6. The ladder was found secure, OSHA approved and in good condition with minor de-lamination and chalking noted.
7. The roof was found in good condition with minor staining and chalking noted.
8. The hatch was found locked with no gasket in place and in good condition with minor de-lamination and 0.1% uniform surface corrosion noted.
9. The vents were found in good condition with minor de-lamination noted.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now

Summary of the Inspection:

Interior Inspection

1. The interior roof was found in good condition with heavy moisture build-up and 0.1% uniform surface corrosion noted.
2. The manway was found in fair to poor condition with heavy staining and 33% rust noduling noted.
3. The overflow was found in fair to poor condition with minor cracking, heavy staining, blistering and greater than 50% rust noduling noted.
4. The interior wall was found in fair to poor condition with heavy de-lamination, blistering and greater than 50% rust noduling noted.
5. The floor was found in good to fair condition with 50% rust noduling noted.
6. The inlet was found in fair to poor condition with heavy de-lamination, blistering and greater the 50% rust noduling noted.
7. The outlet was found in fair to poor condition with heavy de-lamination, blistering and greater than 50% rust noduling noted.
8. The drain was found in fair to poor condition with heavy blistering and greater than 50% rust noduling noted.
9. The crossover pipe was found in fair to poor condition with heavy blistering and 33% rust noduling noted.
10. The float was found in poor condition, sunk below the waterline with no cable attached, no guidewires connected to the floor and with greater than 50% rust noduling noted on the guideline anchor.
11. The support column was found secure and in good to fair condition with minor cracking, moderate staining, heavy blistering and greater than 50% rust noduling noted.

Recommendations:

1. Install a gasket on the access hatch.
2. Install a cable from the exterior water level indicator to a new interior float and reconnect the guidewires to the floor.
3. Schedule a blast and recoat of the interior as soon as budgets will allow. If, within 3 years, the recoating has not been completed, schedule a follow-up clean and inspect as recommended by the AWWA.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now



Inland Potable Services, Inc.

Exterior Inspection Report



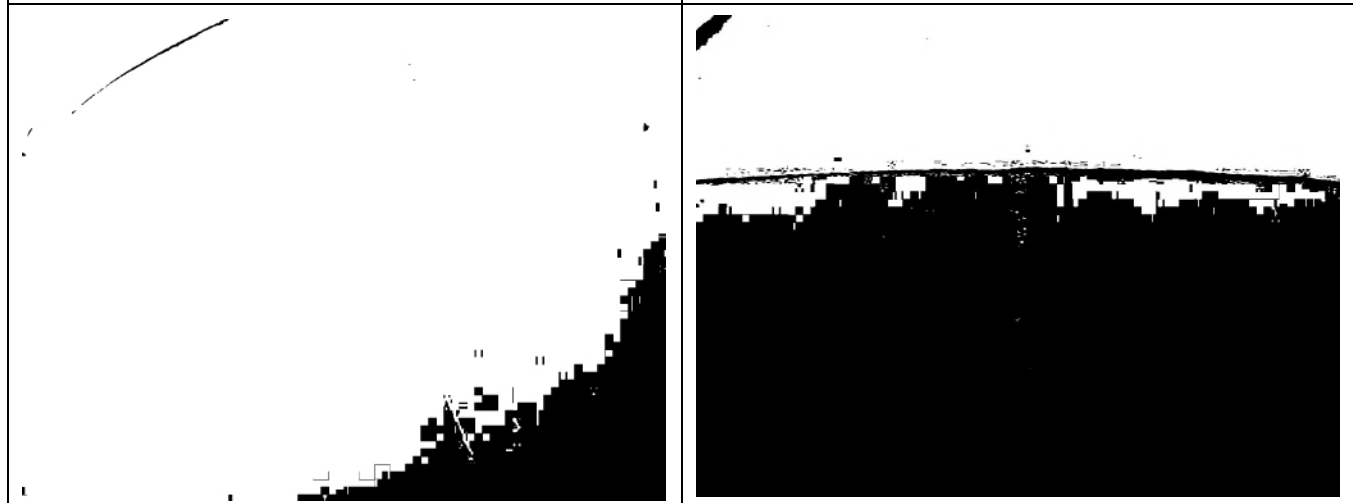
Foundation Condition

| | |
|--|---|
| Foundation Exposed? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Anchor Bolts Present? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Corrosion on Anchor Bolts Present? Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Anchor Bolts Loose? Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Cracking Noted In Foundation? Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input checked="" type="checkbox"/> | Spalling Noted? Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Summary: The base of the tank was found in good condition. |
|--|---|



Wall Panel Condition

| | |
|--|--|
| Coating Condition: Good Seams/Welds Condition: Excellent Corrosion Present? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Oxidation Present? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> De-lamination Present? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> | Dents Present? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Holes Present? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Signs Of Leaking? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Summary: The wall was found in good condition with minor chalking noted. |
|--|--|



Manway Condition

Coating Condition: Good
 Weld/Seam Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The manway was found secure and in good condition with minor chalking and 0.01% uniform surface corrosion noted.



Water Level Indicator Condition

Marker Condition: Poor
 Attached & Accurate? Y N
 Marker Board Condition: Poor
 Is the level reading visible? Y N
 Pulley Condition: Poor
 Attached Properly? Y N
 Cable Condition: Poor
 Attached Properly? Y N

Hardware Condition: Good
 Corrosion Present? Y N

Summary: The water level indicator was found in poor condition with no cable attached.



No cable attached to marker board

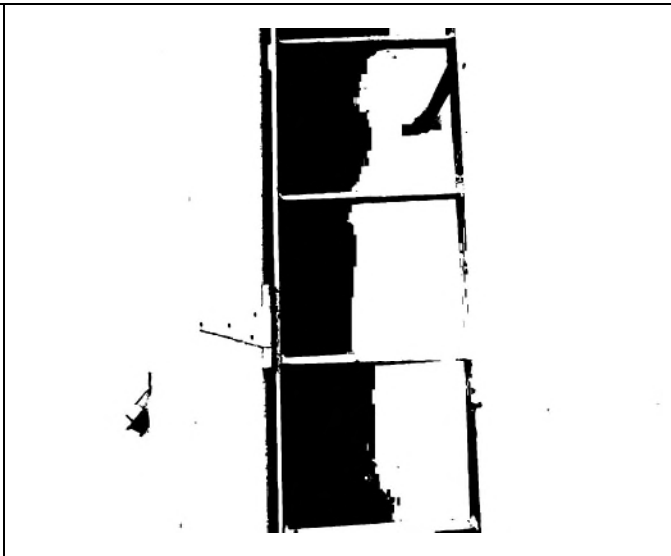


Pulley for water level indicator

Access Ladder Condition

Ladder Type: Steel welded
 Is Ladder and Safety Climb **OSHA** Approved? Y N
 Is Vandal Guard Present? Y N
 Locked? Y N N/A
 Safety Climb Type: Cage
 Safety Climb Condition: Good
 Is Top Of Tank Easily Accessible? Y N
 Coating Condition: Good
 Seams/Welds Condition: Excellent
 Stand Off Supports Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The ladder was found secure, OSHA approved and in good condition with minor de-lamination and chalking noted.



Upper section of safety cage



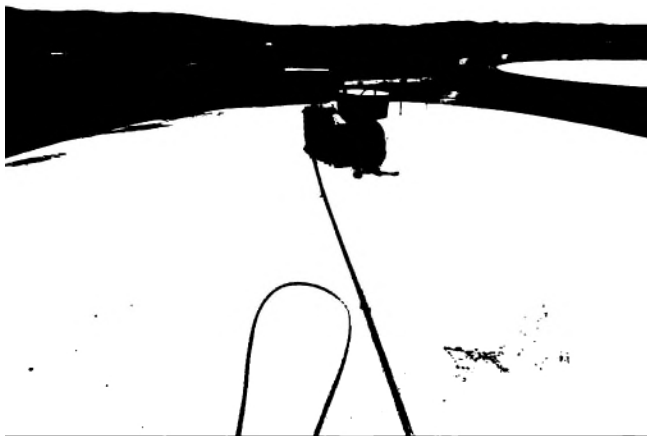
Lower section of safety cage

Roof Condition

Roof Type: Pitched
 Coating Condition: Good
 Seams/Welds Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Low Spots Present? Y N
 Holes in Roof? Y N

Cathodic Protection Plates Present? Y N
 Sealed Edges: Y N N/A
 Loose Plates? Y N N/A
 Missing Plates? Y N N/A

Summary: The roof was found in good condition with minor staining and chalking noted.



Overall view of roof



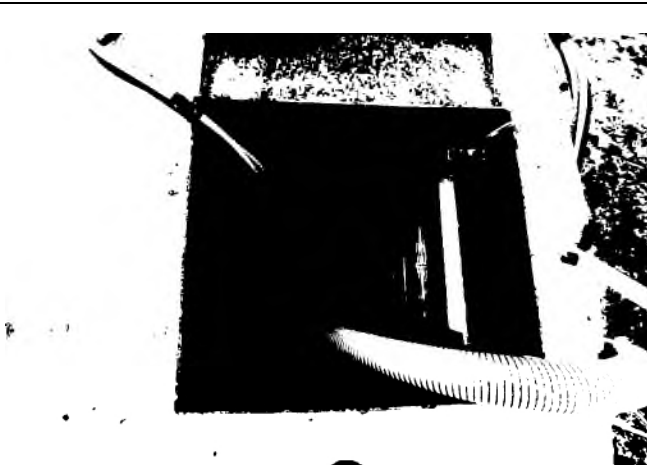
Antenna on roof

Access Hatch Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present: Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Hatch Size: 2 foot square
 Riser Height: 4 inches Lid Height: 2 inches
 Hatch Locked? Y N

Hinge Condition: Good
 Gasket Present? Y N
 Intact? Y N N/A
 Insects, Dirt Or Debris Present Under Hatch? Y N

Summary: The hatch was found locked with no gasket in place and in good condition with minor de-lamination and 0.1% uniform surface corrosion noted.



Hatch open



Underside of hatch lid

Vent Condition

Coating Condition: All Good
Seams/Welds Condition: All Excellent
Corrosion Present: Y N
Oxidation Present? Y N
De-lamination Present? Y N
#24 Mesh Screen in Place? Y N
Condition: All Good
All Openings Sealed? Y N
Cap Condition: Good

Summary: The vents were found in good condition with minor de-lamination noted.



Center vent



Center vent cap



Center vent screen



Second vent



Second vent screen



Third vent



Third vent screen



Inland Potable Services, Inc.

Interior Inspection Report



Roof Condition

Coating Condition: Good
 Welds/seam Condition: Good/Fair
 Corrosion Present On Panels? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The interior roof was found in good condition with heavy moisture build-up and 0.1% uniform surface corrosion noted.



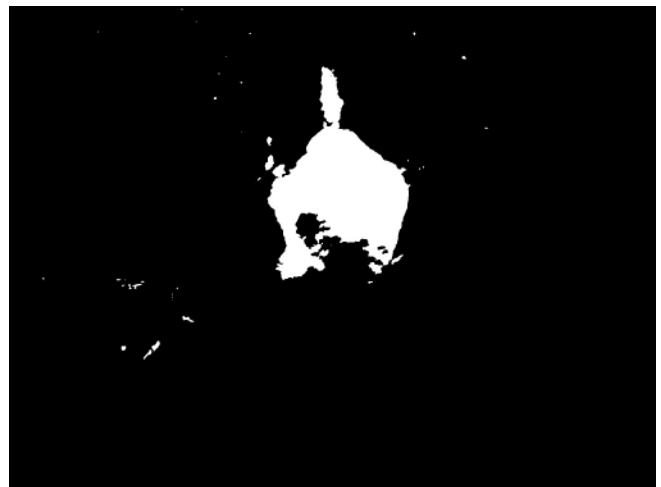
Manway Condition

Manway Location(s): 12:30 o'clock
 Coating Condition: Fair/Poor
 Weld/Seam Condition: Fair/Poor
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The manway was found in fair to poor condition with heavy staining and 33% rust noduling noted.



Seam of manway



Noduling on manway

Overflow Condition

Overflow Location: 6:30 o'clock

Coating Condition: Fair/Poor

Weld/Seam Condition: Good

Corrosion Present? Y N

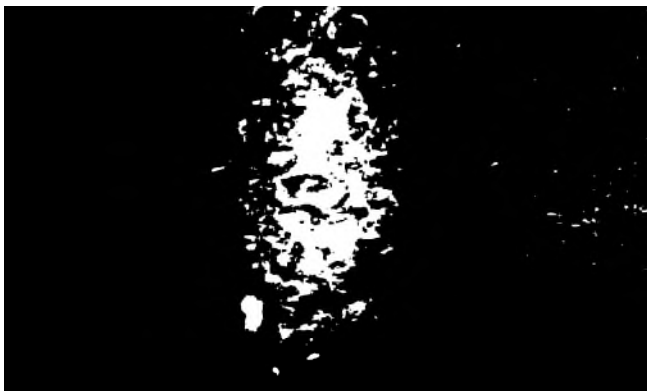
Oxidation Present? Y N

De-lamination Present? Y N

Summary: The overflow was found in fair to poor condition with minor cracking, heavy staining, blistering and greater than 50% rust noduling noted.



Top of overflow



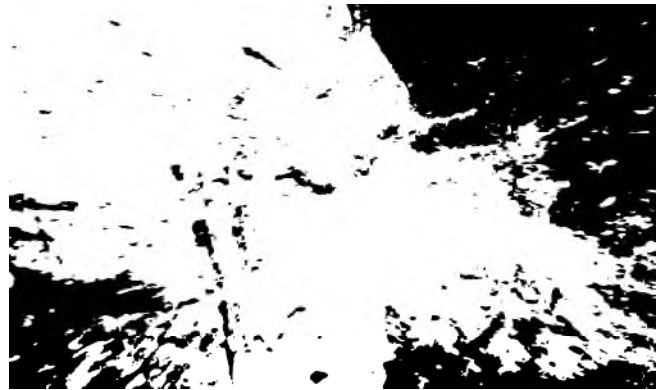
Midway up on overflow



Base of overflow



Noduling on overflow



Noduling on overflow



Blistering on overflow

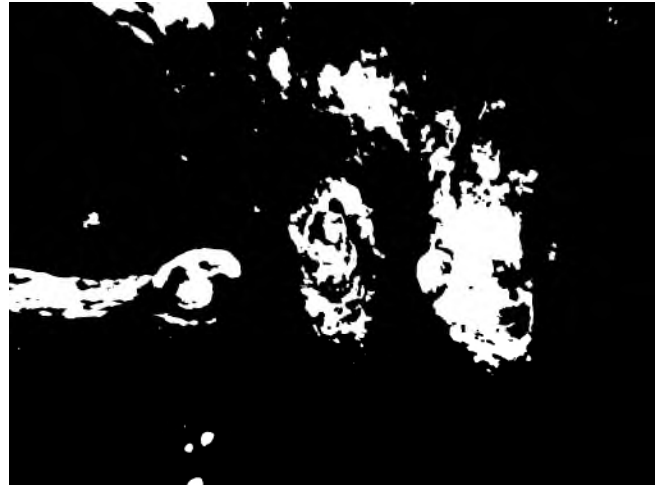


Overflow support

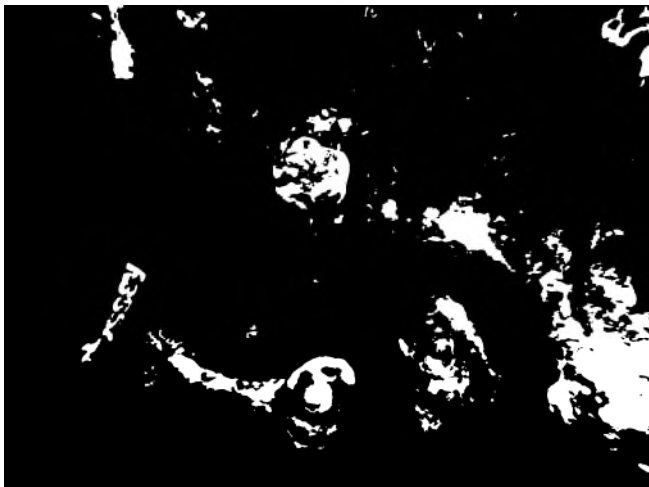
Wall Panel Condition

Coating Condition: Poor
Welds/seam Condition: Good
Corrosion Present On Panel? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Is Biofilm Present: Y N
Any irregularities or structural deficiencies? Y N

Summary: The interior wall was found in fair to poor condition with heavy de-lamination, blistering and greater than 50% rust noduling noted.



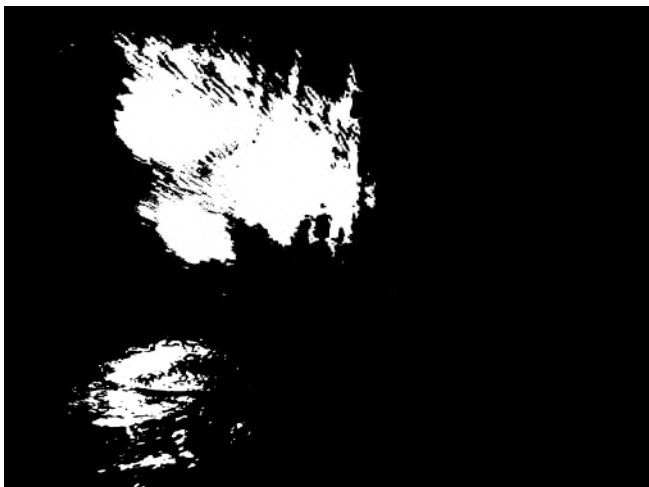
Noduling on wall



Noduling on wall



Noduling on wall



Upper section of wall

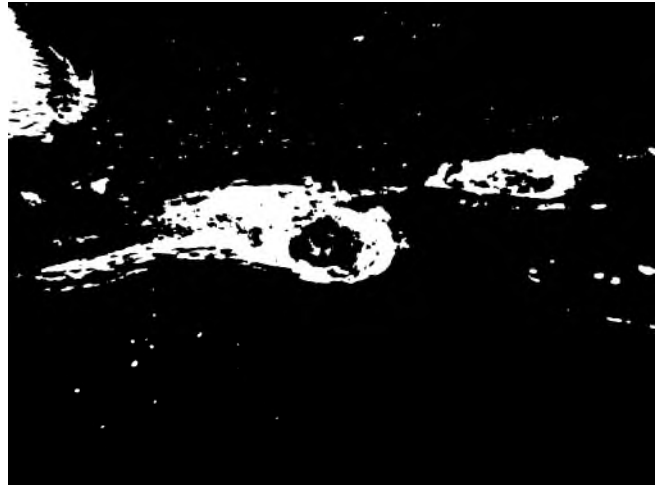


Lower section of wall

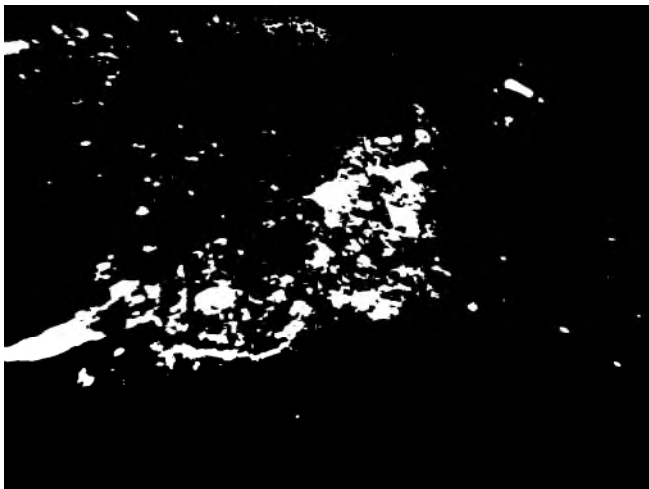
Floor Condition

Coating Condition: Fair
Welds/seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Sediment Depth: 1/16 inch
Any irregularities or structural deficiencies? Y N

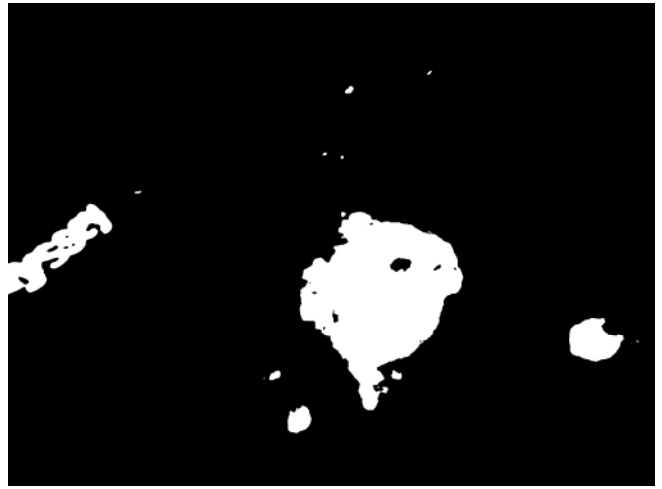
Summary: The floor was found in good to fair condition with 50% rust noduling noted.



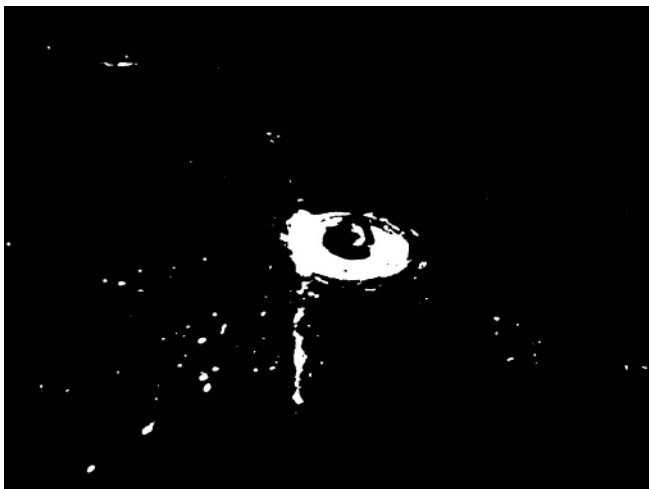
Floor to wall seam



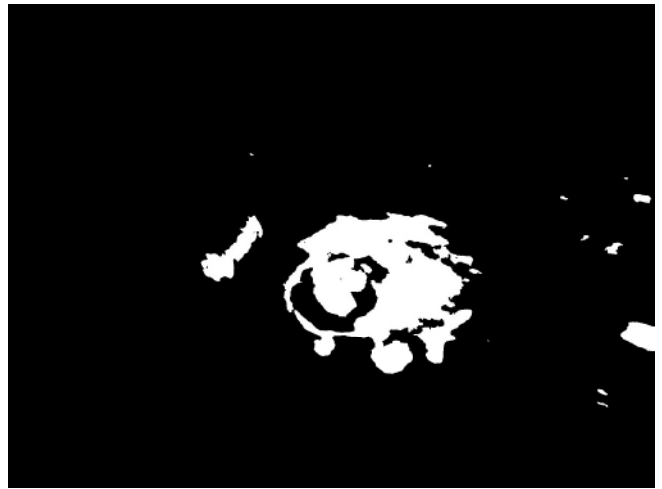
Noduling on floor



Noduling on floor



Noduling on floor



Noduling on floor

Inlet and Outlet Condition

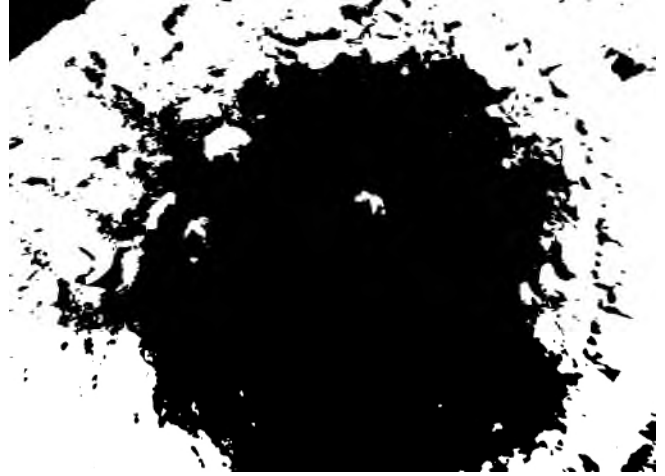
Common Inlet/Outlet? Y N Location: N/A
 If Separate:
 Inlet Location: 3 o'clock
 Coating Condition: Fair/Poor
 Weld/Seam Condition: Fair
 Corrosion Present? Y N

Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The inlet was found in fair to poor condition with heavy de-lamination, blistering and greater the 50% rust noduling noted.



Overall view of inlet



Top view of inlet

Common Inlet/Outlet? Y N Location: N/A
 If Separate:
 Outlet Location: 2:30 o'clock
 Coating Condition: Fair/Poor
 Weld/Seam Condition: Fair
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

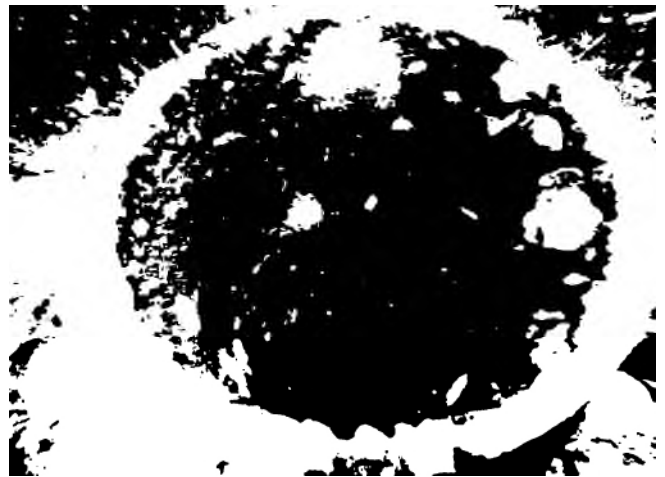
Summary: The outlet was found in fair to poor condition with heavy de-lamination, blistering and greater than 50% rust noduling noted.



Overall view of outlet



Side view of outlet



Top view of outlet

Drain Condition

Drain Location: 6 o'clock
Coating Condition: Fair/Poor
Weld/Seam Condition: Fair
Corrosion Present? Y N
Oxidation Present? Y N

De-lamination Present? Y N

Summary: The drain was found in fair to poor condition with heavy blistering and greater than 50% rust noduling noted.



Overall view of drain



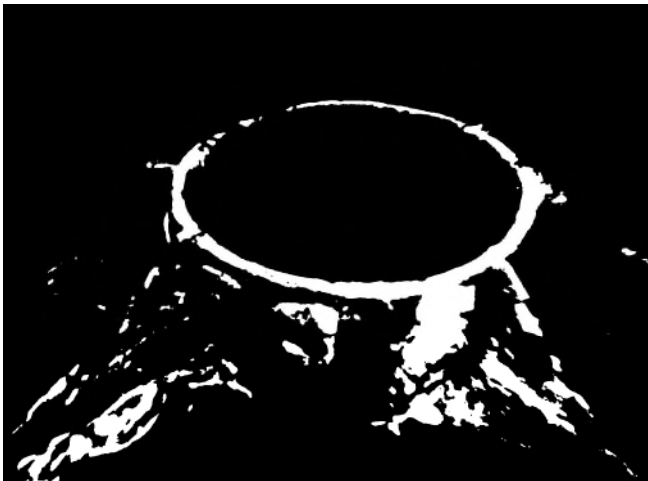
Noduling on drain

Crossover Condition

Drain Location: 9:30 o'clock
Coating Condition: Fair/Poor
Weld/Seam Condition: Fair
Corrosion Present? Y N
Oxidation Present? Y N

De-lamination Present? Y N

Summary: The crossover pipe was found in fair to poor condition with heavy blistering and 33% rust noduling noted.



Twin tank crossover



Top view of crossover

Float Condition

Float Location: 1:45 o'clock

Guidelines Condition: Poor

Attached Properly? Y N

Cable Condition: Poor

Attached Properly? Y N

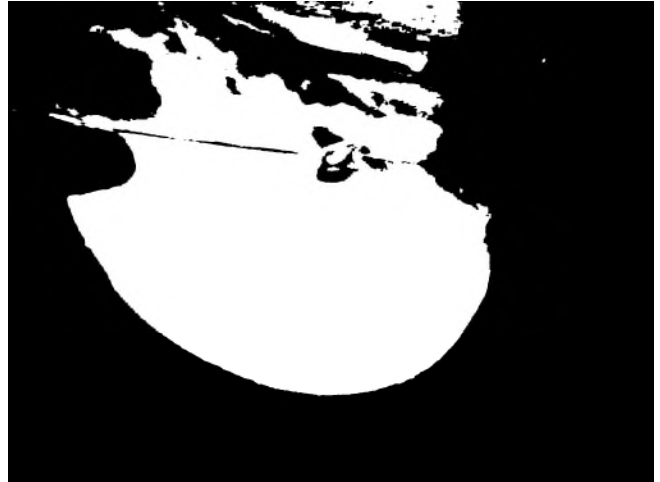
Hardware Condition: Poor

Corrosion Present? Y N

Float Condition: Poor

Sealed? Y N

Summary: The float was found in poor condition, sunk below the waterline with no cable attached, no guidewires connected to the float and with greater than 50% rust noduling noted on the guideline anchor.



Float with no cable



Disconnected float guidelines



Disconnected float guidelines

Support Column Condition

Number Of Columns: 1
Coating Condition: Fair/Poor
Welds/seam Condition: Fair
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

Summary: The support column was found secure and in good to fair condition with minor cracking, moderate staining, heavy blistering and greater than 50% rust noduling noted.



Top of column



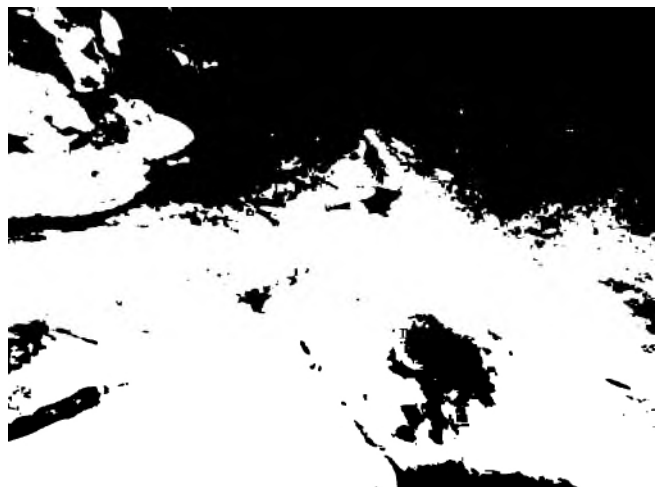
Noduling



Noduling

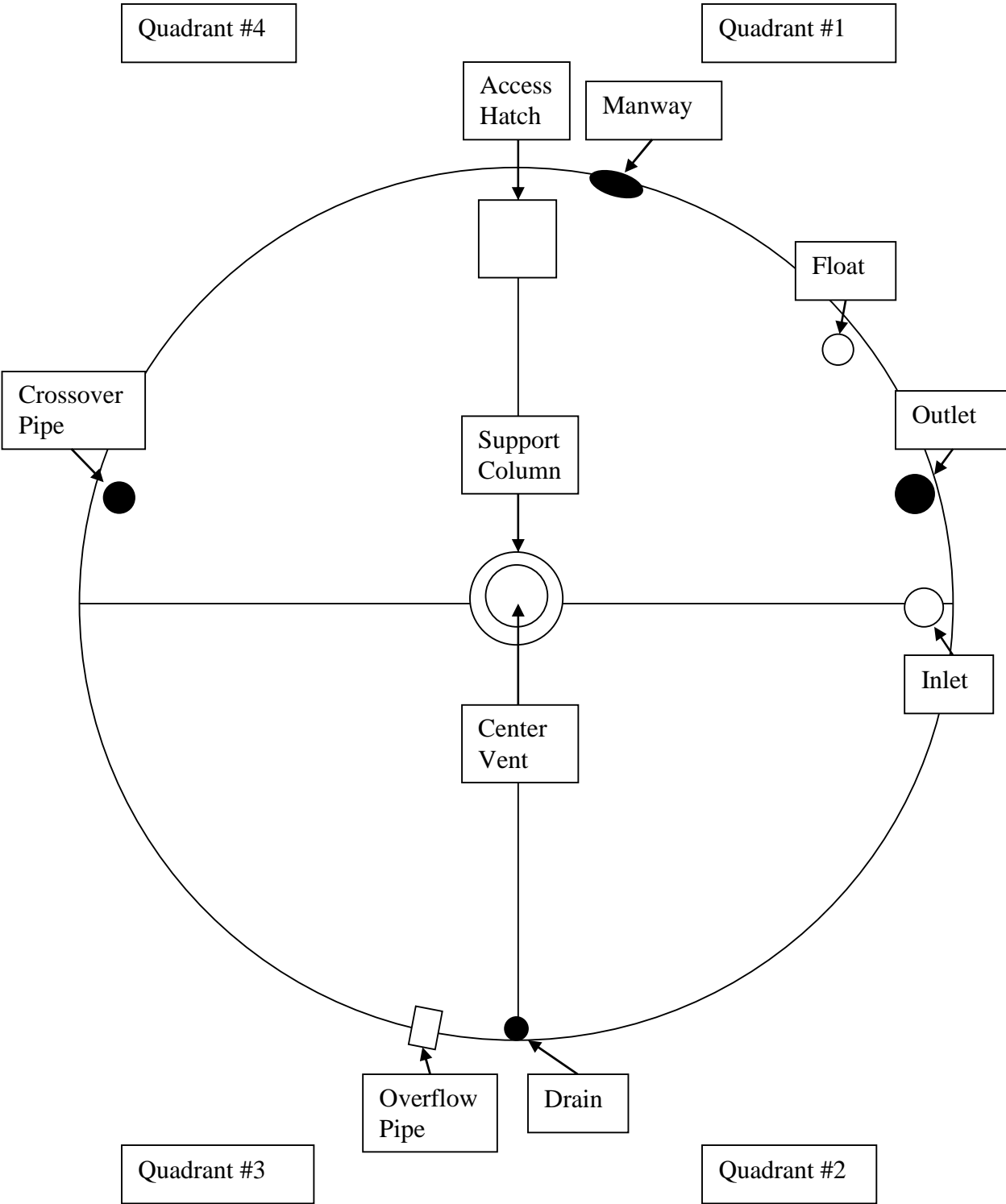


Noduling



Base noduling

Tank Layout

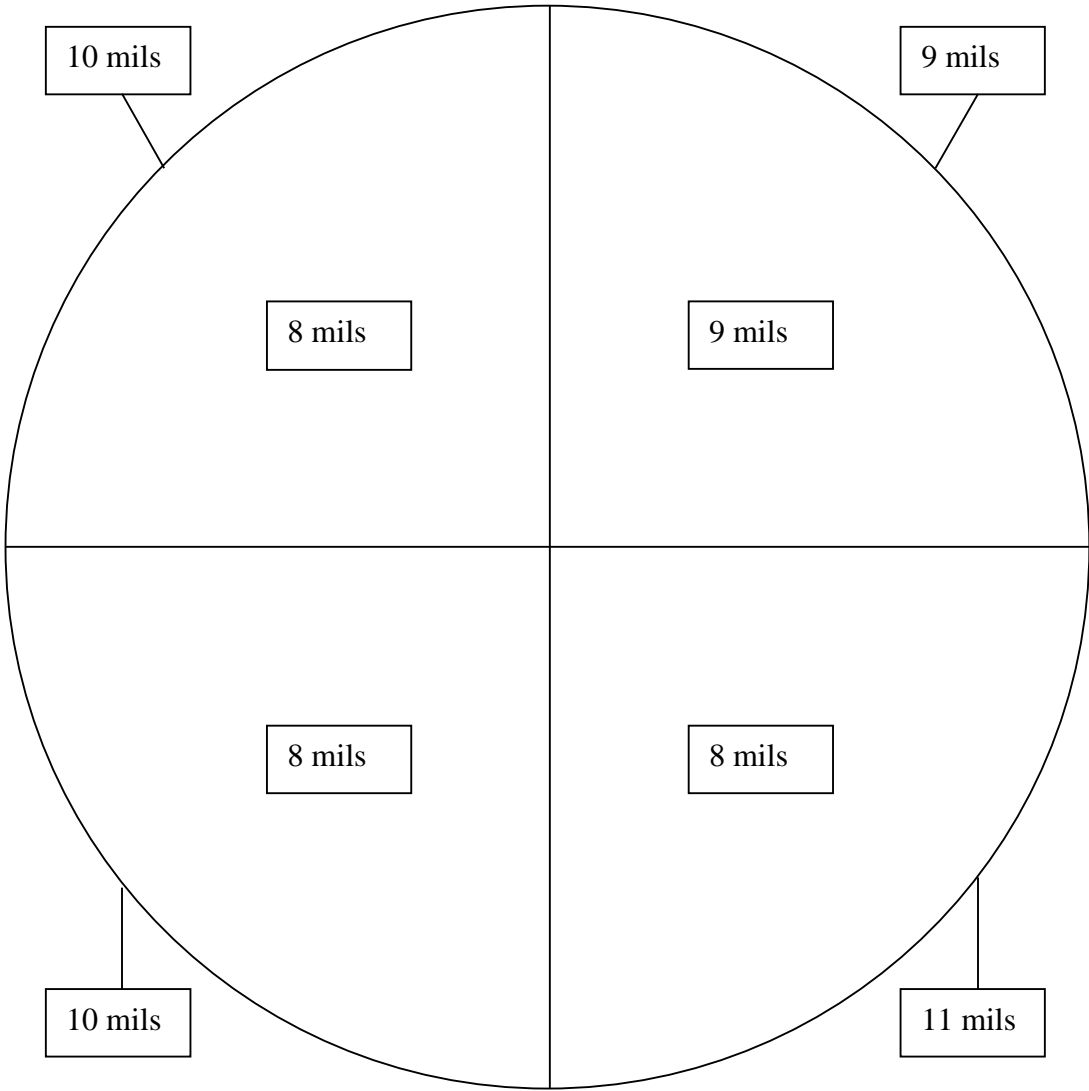


Tank Layout

Roof and Wall Coating Thickness Measurements

Quadrant #4

Quadrant #1



Quadrant #3

Quadrant #2

Tank Layout

Ultrasonic Metal Thickness Testing

Quadrant #4

Quadrant #1

.368

.348

.348

.348

.336

.352

.248

.249

.348

.342

.249

.249

.352

.338

.348

.336

.348

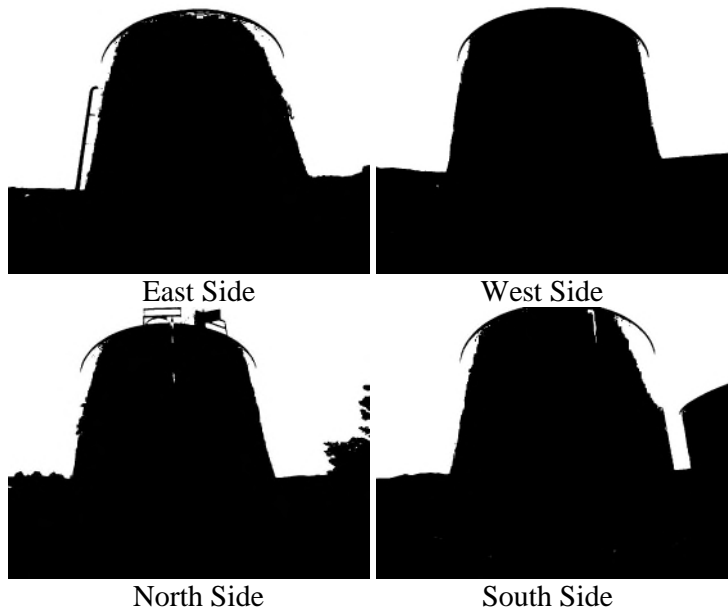
.352

Quadrant #3

Quadrant #2



**Inspection Report for
Great Basin Water Company
Reno, NV**



**Spanish Springs
300KG Steel On-Grade
Twin Tank 1B**

Date Completed: May 15, 2019

Commercial Dive Team:

**Diver – Cory Repasi
Dive Controller – Nico LeBlanc
Tender – James Strickland**

Scope of Work:

Our team completed sediment removal using underwater vacuum equipment. Sediment depth, averaging 1/16 inch (sand & manganese), was removed from the tank floor. When the cleaning process was finished, a full visual inspection was performed of the tank interior and all interior fixtures. The team also performed a full visual inspection of the tank exterior and all attached fixtures. The details of the inspection findings are included in the report below.

Summary of the Inspection:

Exterior Inspection

1. There was good access to the tank. (In a gated area)
2. The foundation was found in good condition with minor hairline cracking and voids noted.
3. The overflow was found in good condition with minor sags & runs in the coating and moderate chalking noted.
4. The wall was found in good condition with minor sags & runs in the coating, chalking and staining noted.
5. The manways were found secure and in good condition with minor chalking noted.
6. The water level indicator was found in poor condition with no cable attached.
7. The roof was found in good condition with moderate chalking noted.
8. The ladder was found secure, OSHA approved and in good condition with minor sags & runs in the coating and chalking noted.
9. The hatch was found locked with no gasket present and in good to fair condition with minor to moderate de-lamination, moderate staining, chalking and 10% uniform surface corrosion noted.
10. The vent was found in good condition with minor de-lamination noted.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now

Summary of the Inspection:

Interior Inspection

1. The interior roof was found in good condition with moisture build-up, minor staining and 3% uniform surface corrosion noted.
2. The overflow was found in good condition with minor staining and 0.01% rust noduling noted.
3. The ladder was found secure and in good condition with minor de-lamination and heavy staining noted.
4. The interior wall was found in good condition with minor de-lamination, blistering, cracking, heavy staining and 0.01% rust noduling noted.
5. The floor was found in good condition with minor staining and 0.03% rust noduling noted.
6. The manways were found in good condition with heavy staining noted.
7. The inlet was found in good condition with heavy staining and 3% rust noduling noted.
8. The outlet was found in good condition with minor blistering, heavy staining and 1% rust noduling noted.
9. The float was found in good condition with guidelines attached.
10. The support column was found secure and in good condition with heavy staining and 0.03% rust noduling noted.

Recommendations:

1. Install a gasket on the access hatch.
2. Install a new marker on the water level indicator board and then attach the marker to the float.
3. Continue to schedule a clean and inspect every 3-5 years per AWWA recommendations.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now



Inland Potable Services, Inc.

Exterior Inspection Report

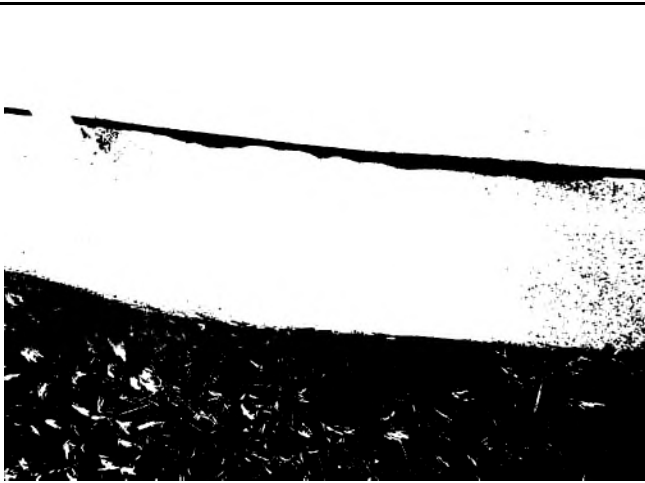


Foundation Condition

Foundation Exposed? Y N
 Anchor Bolts Present? Y N
 Corrosion on Anchor Bolts Present? Y N N/A
 Anchor Bolts Loose? Y N N/A
 Cracking Noted In Foundation? Y N N/A

Spalling Noted? Y N N/A

Summary: The foundation was found in good condition with minor hairline cracking and voids noted.

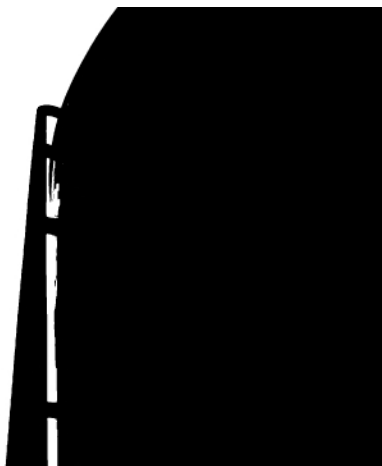


Overflow Structure Condition

Coating Condition: Good
 Seams/Welds Condition: Excellent
 Stand Off Supports Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Directly Connected To Sewer or Drain? Y N N/A

End Cap Present? Y N
 Hinge and Cap Condition: N/A
 #24 mesh Screen Present? Y N
 Condition: N/A

Summary: The overflow was found in good condition with minor sags & runs in the coating and moderate chalking noted.



Top of overflow



Bottom of overflow going into ground

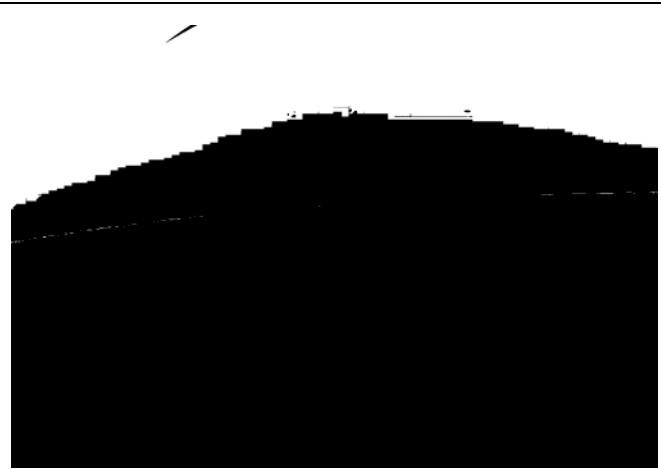
Wall Panel Condition

Coating Condition: Good
 Seams/Welds Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Dents Present? Y N
 Holes Present? Y N
 Signs Of Leaking? Y N

Summary: The wall was found in good condition with minor sags & runs in the coating, chalking and staining noted.



Information plaque on wall

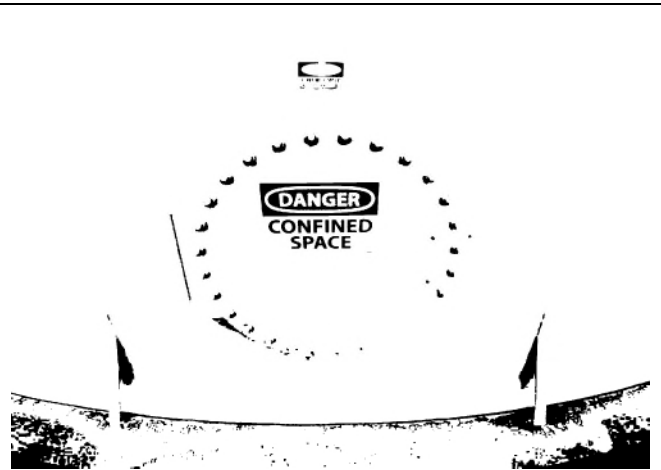
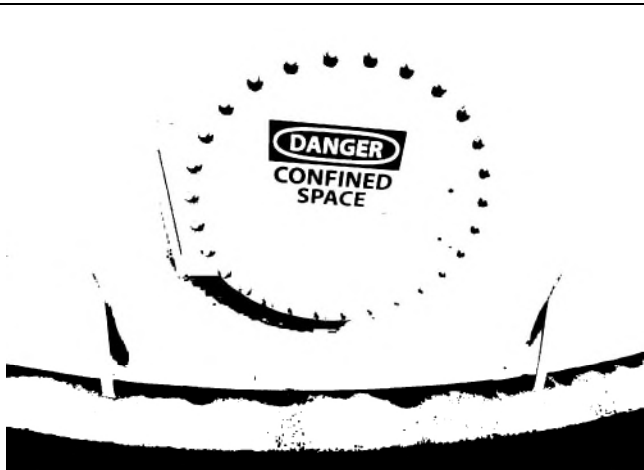


Manway Condition

Coating Condition: Both Good
 Weld/Seam Condition: Both Good
 Corrosion Present? Y N
 Oxidation Present? Y N

De-lamination Present? Y N

Summary: The manways were found secure and in good condition with minor chalking noted.



Water Level Indicator Condition

Marker Condition: Poor

Attached & Accurate? Y N

Marker Board Condition: Good

Is the level reading visible? Y N

Pulley Condition: Poor

Attached Properly? Y N

Cable Condition: Poor

Attached Properly? Y N

Hardware Condition: Good

Corrosion Present? Y N

Summary: The water level indicator was found in poor condition with no cable attached.



Marker pulley

Roof Condition

Roof Type: Pitched

Coating Condition: Good

Seams/Welds Condition: Good

Corrosion Present? Y N

Oxidation Present? Y N

De-lamination Present? Y N

Low Spots Present? Y N

Holes in Roof? Y N

Cathodic Protection Plates Present? Y N

Sealed Edges: Y N N/A

Loose Plates? Y N N/A

Missing Plates? Y N N/A

Summary: The roof was found in good condition with moderate chalking noted.

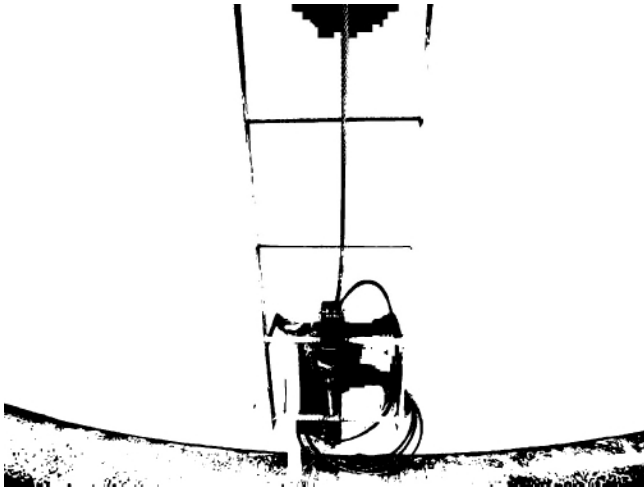


Access Ladder Condition

Ladder Type: Steel welded
 Is Ladder and Safety Climb **OSHA** Approved? Y N
 Is Vandal Guard Present? Y N
 Locked? Y N N/A
 Safety Climb Type: Cage & cable grab
 Safety Climb Condition: Good
 Is Top Of Tank Easily Accessible? Y N
 Coating Condition: Good
 Seams/Welds Condition: Excellent

Stand Off Supports Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

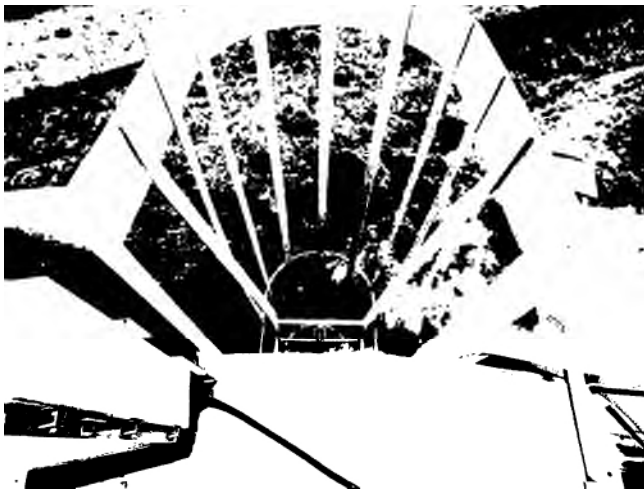
Summary: The ladder was found secure, OSHA approved and in good condition with minor sags & runs in the coating and chalking noted.



Ladder overall



Safety cage



Safety cage

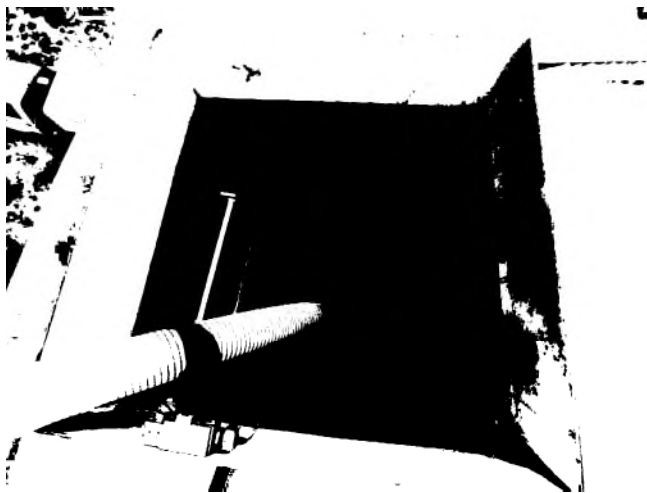


Access Hatch Condition

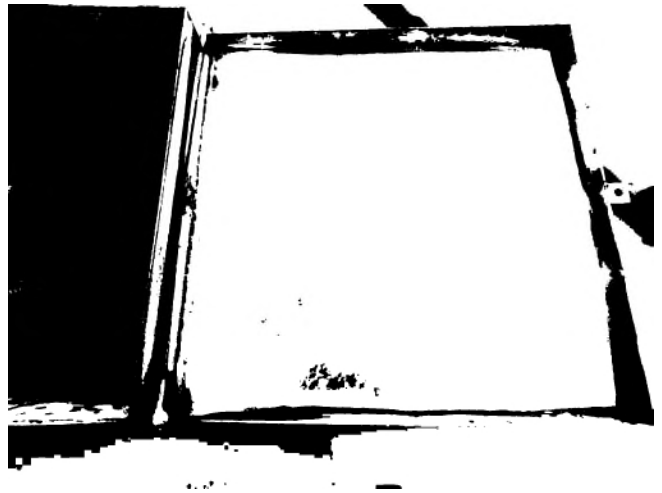
Coating Condition: Good/Fair
 Seams/Welds Condition: Good
 Corrosion Present: Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Hatch Size: 2 foot square
 Riser Height: 4 inches Lid Height: 2 inches
 Hatch Locked? Y N
 Hinge Condition: Good

Gasket Present? Y N
 Intact? Y N N/A
 Insects, Dirt Or Debris Present Under Hatch? Y N

Summary: The hatch was found locked with no gasket present and in good to fair condition with minor to moderate de-lamination, moderate staining, chalking and 10% uniform surface corrosion noted.



Hatch open



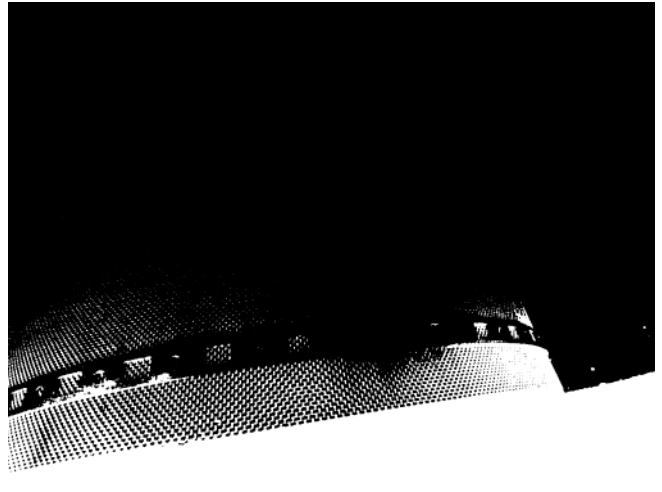
Underside of hatch lid

Vent Condition

Coating Condition: Good
 Seams/Welds Condition: Excellent
 Corrosion Present: Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 #24 Mesh Screen in Place? Y N
 Condition: Excellent/Good

All Openings Sealed? Y N
 Cap Condition: Good

Summary: The vent was found in good condition with minor de-lamination noted.





Inland Potable Services, Inc.

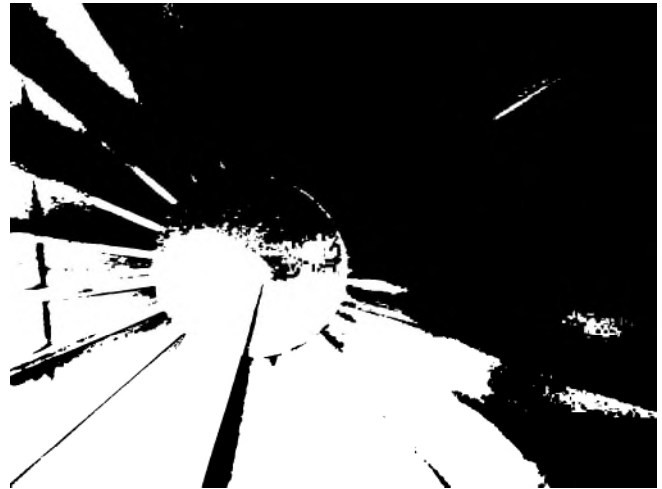
Interior Inspection Report



Roof Condition

Coating Condition: Good
Welds/seam Condition: Excellent/Good
Corrosion Present On Panels? Y N
Oxidation Present? Y N
De-lamination Present? Y N

Summary: The interior roof was found in good condition with moisture build-up, minor staining and 3% uniform surface corrosion noted.



Overflow Condition

Overflow Location: 4:30 o'clock
Coating Condition: Excellent/Good
Weld/Seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

Summary: The overflow was found in good condition with minor staining and 0.01% rust noduling noted.



Ladder Condition

Ladder Location: 12 o'clock
Coating Condition: Good
Weld/Seam Condition: Excellent
Supports Condition: Excellent
Corrosion Present? Y N
Oxidation Present? Y N

De-lamination Present? Y N

Summary: The ladder was found secure and in good condition with minor de-lamination and heavy staining noted.



Ladder support



Weld on ladder



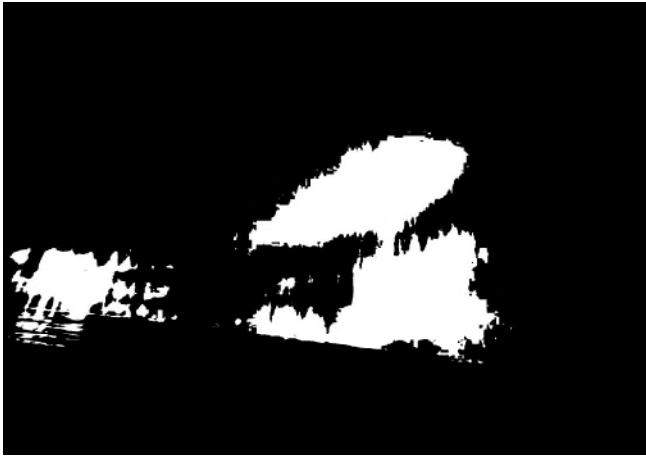
Weld on ladder

Wall Panel Condition

Coating Condition: Good/Fair
Welds/seam Condition: Excellent
Corrosion Present On Panel? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Is Biofilm Present: Y N

Any irregularities or structural deficiencies? Y N

Summary: The interior wall was found in good condition with minor de-lamination, blistering, cracking, heavy staining and 0.01% rust noduling noted.



Wall to roof seam



Blistering

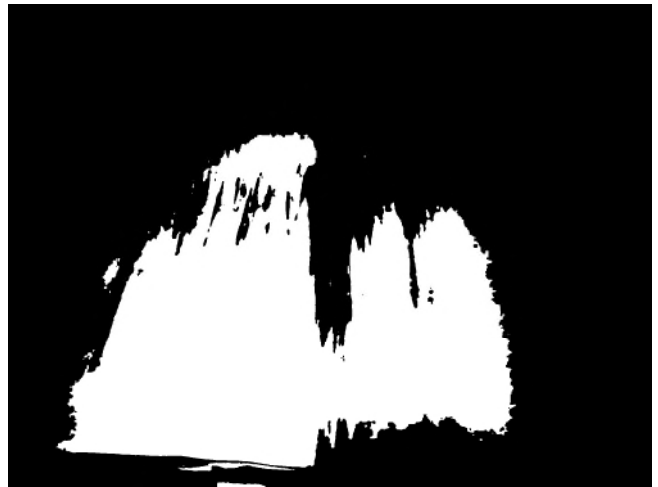


Blistering



Blistering

Wall Panel Condition continued



De-lamination



De-lamination



De-lamination



De-lamination

Floor Condition

Coating Condition: Good
 Welds/seam Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Sediment Depth: 1/16 inch
 Any irregularities or structural deficiencies? Y N

Summary: The floor was found in good condition with minor staining and 0.03% rust noduling noted.



Floor to wall seam



Floor to wall seam



Noduling



Noduling



Noduling



Noduling

Manway Condition

Manway Location(s): 7 o'clock & 12:45 o'clock
Coating Condition: Both Good
Weld/Seam Condition: Both Good
Corrosion Present? Y N
Oxidation Present? Y N

De-lamination Present? Y N

Summary: The manways were found in good condition with heavy staining noted.



Manway 1



Seam of manway 1



Manway 2



Seam of manway 2

Inlet Condition

Common Inlet/Outlet? Y N Location: N/A
If Separate:
Inlet Location: 5:30 o'clock
Coating Condition: Good
Weld/Seam Condition: Good
Corrosion Present? Y N

Oxidation Present? Y N
De-lamination Present? Y N

Summary: The inlet was found in good condition with heavy staining and 3% rust noduling noted.



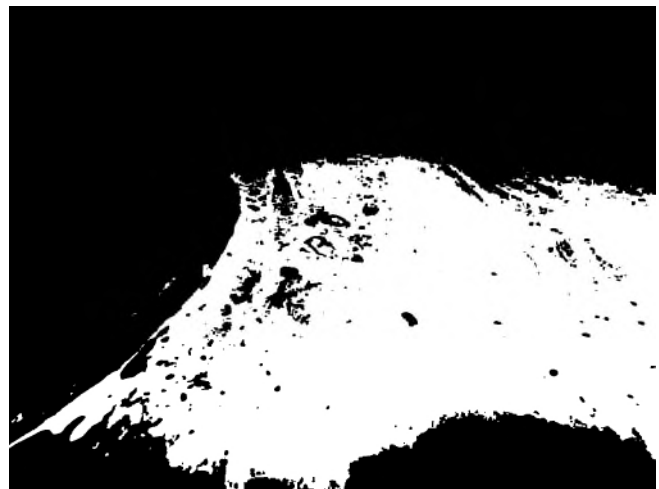
Inlet overall



Top of inlet



Inside inlet



Seam weld

Outlet Condition

Common Inlet/Outlet? Y N Location: N/A

If Separate:

Outlet Location: 12:30 o'clock

Coating Condition: Good

Weld/Seam Condition: Good

Corrosion Present? Y N

Oxidation Present? Y N

De-lamination Present? Y N

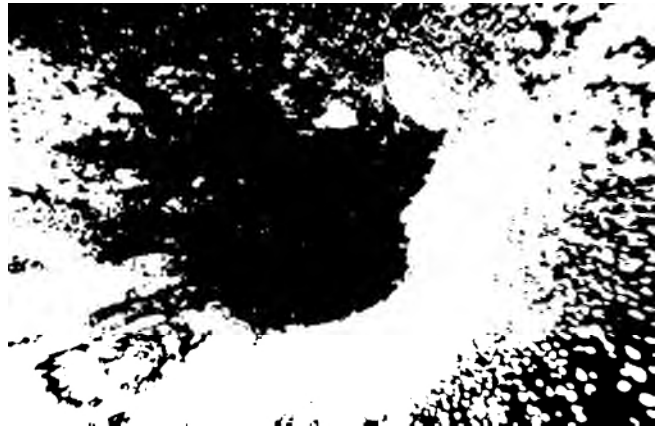
Summary: The outlet was found in good condition with minor blistering, heavy staining and 1% rust noduling noted.



Outlet overall



Top of outlet



Inside outlet

Float Condition

Float Location: 12:05 o'clock

Guidelines Condition: Good

Attached Properly? Y N

Cable Condition: Poor

Attached Properly? Y N

Hardware Condition: Good

Corrosion Present? Y N

Float Condition: Good

Sealed? Y N

Summary: The float was found in good condition with guidelines attached.



Float



Float guidelines

Support Column Condition

Number Of Columns: 1
Coating Condition: Good
Welds/seam Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

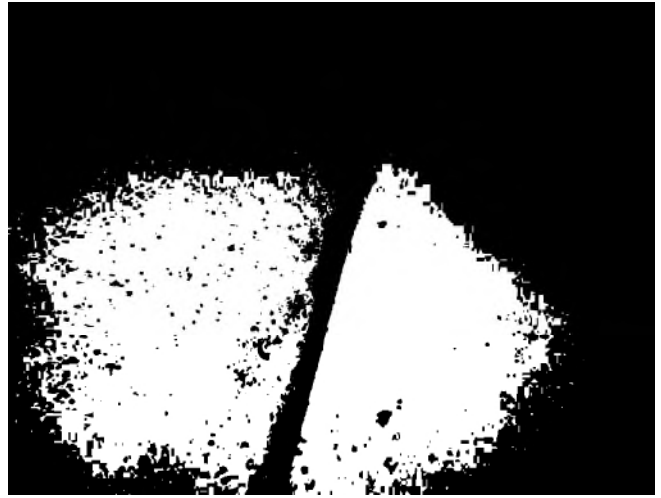
Summary: The support column was found secure and in good condition with heavy staining and 0.03% rust noduling noted.



Top of support column



Base of support column



Base with corrosion

Support Column Condition continued



Noduling



Noduling

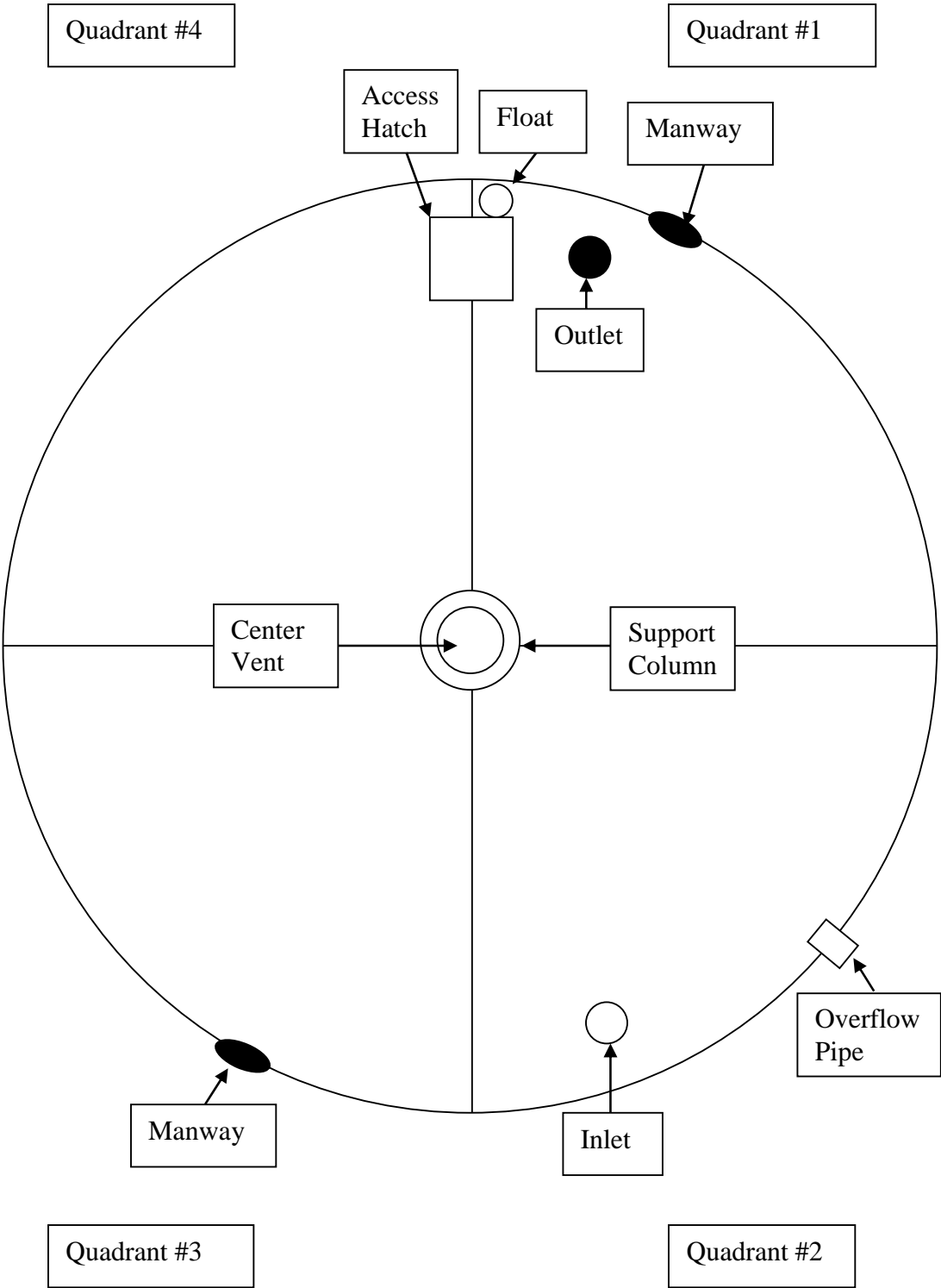


Noduling



Noduling

Tank Layout

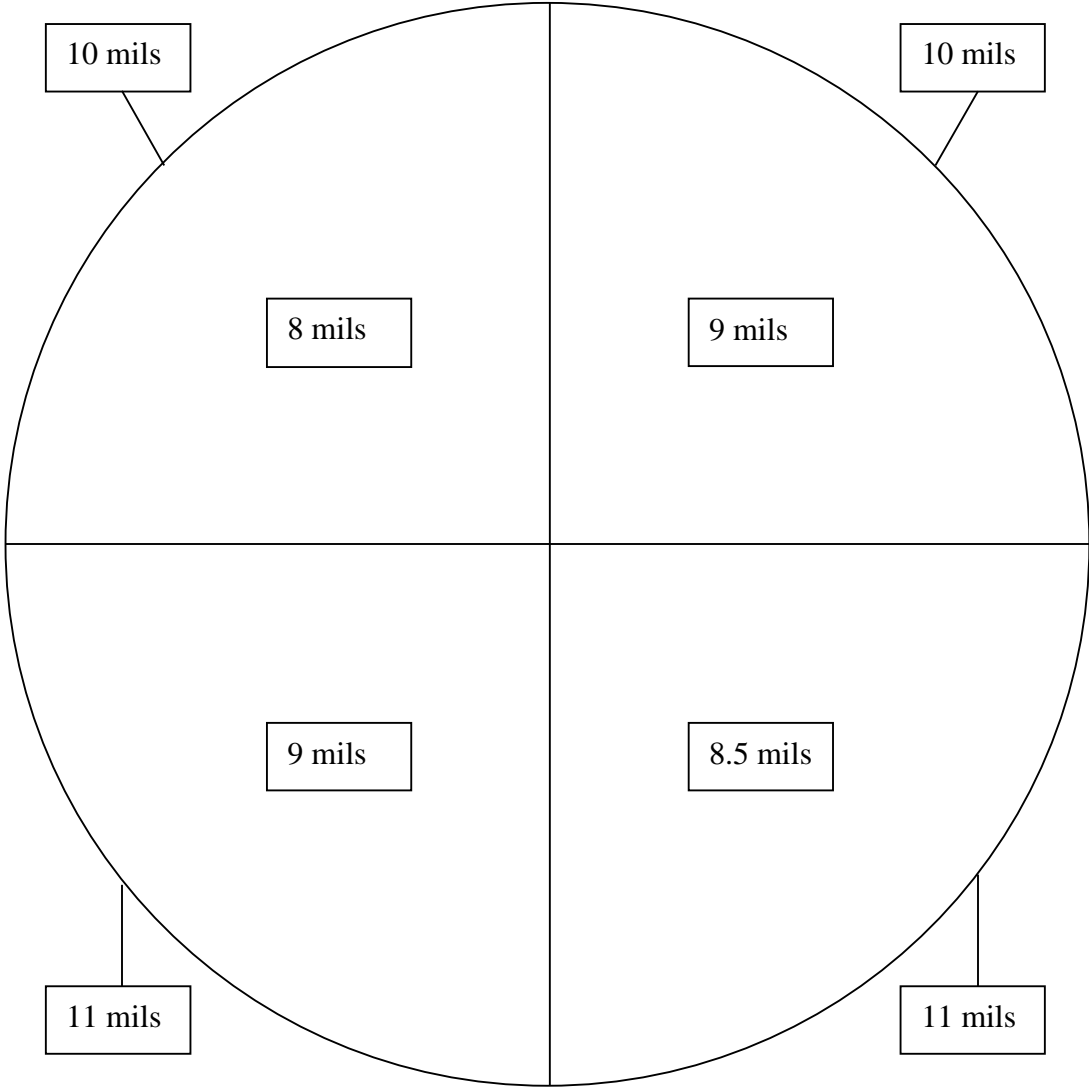


Tank Layout

Roof and Wall Coating Thickness Measurements

Quadrant #4

Quadrant #1



Quadrant #3

Quadrant #2

Tank Layout

Ultrasonic Metal Thickness Testing

Quadrant #4

Quadrant #1

.324

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Quadrant #3

Quadrant #2

**Inspection Report for
Great Basin Water Company
Reno, NV**



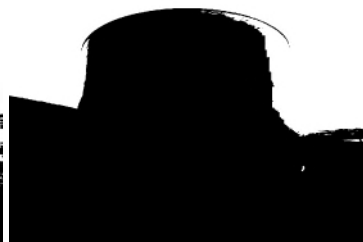
East Side



West Side



North Side



South Side

**Spanish Springs
350KG Steel On-Grade
High Tank #2**

Date Completed: May 15, 2019

Commercial Dive Team:

**Diver – James Strickland
Dive Controller – Nico LeBlanc
Tender – Cory Repasi**

Scope of Work:

Our team completed sediment removal using underwater vacuum equipment. Sediment depth, averaging 1/8 inch (iron & manganese), was removed from the tank floor. When the cleaning process was finished, a full visual inspection was performed of the tank interior and all interior fixtures. The team also performed a full visual inspection of the tank exterior and all attached fixtures. The details of the inspection findings are included in the report below.

Summary of the Inspection:

Exterior Inspection

1. There was good access to the tank. (In a gated area)
2. The base of the tank was found in good condition.
3. The wall was found in good condition with minor de-lamination, sags & runs in the coating and moderate chalking noted.
4. The overflow was found in good condition with moderate chalking noted.
5. The manways were found secure and in good condition with moderate sags & runs in the coating and chalking noted.
6. The water level indicator was found in good condition with fading noted at the top of the board.
7. The ladder was found secure, OSHA approved and in good condition with minor sags & runs in the coating and chalking noted.
8. The roof was found in good to fair condition with heavy de-lamination and greater than 50% uniform surface corrosion noted.
9. The hatch was found locked with no gasket present and in good condition with 0.01% uniform surface corrosion noted.
10. The vent was found in good condition minor staining noted.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

Poor – Major problems, fix now

Summary of the Inspection:

Interior Inspection

1. The interior roof was found in good to fair condition with 33% concentrated cell corrosion and uniform surface corrosion noted.
2. The overflow was found in excellent to good condition with minor staining noted.
3. The ladder was found secure and in good condition with minor staining, cracking and 0.3% rust noduling noted.
4. The manways were found in good condition with minor pinholes, staining, 0.1% concentrated cell corrosion and uniform surface corrosion noted.
5. The interior wall was found in good condition with minor staining, pinholes, 0.03% concentrated cell corrosion and uniform surface corrosion noted.
6. The common inlet/outlet was found in good condition with minor blistering, moderate staining and 0.01% uniform surface corrosion noted.
7. The floor was found in good condition with minor staining and 0.1% rust noduling noted.
8. The float was found in excellent to good condition with minor de-lamination noted.
9. The support column was found secure and in good condition with minor pinholes, staining and 0.01% concentrated cell corrosion noted.

Recommendations:

1. Install a gasket on the access hatch.
2. Continue to schedule a clean and inspect every 3-5 years per AWWA recommendations.

Key

Excellent – Like new, no repairs needed

Good – Cosmetic problems, repair if utility wants

Fair – Minor problems, repairs needed

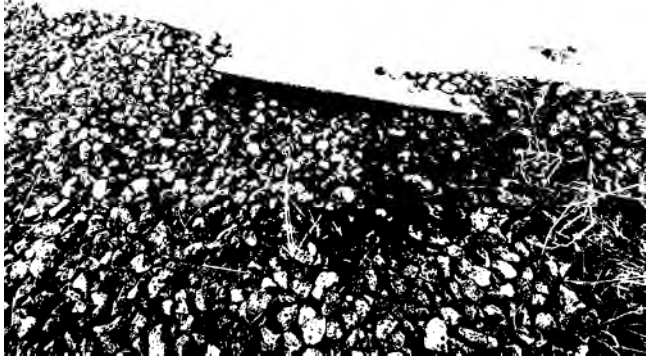

Poor – Major problems, fix now



Inland Potable Services, Inc.

Exterior Inspection Report



| Foundation Condition | |
|---|--|
| Foundation Exposed? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Anchor Bolts Present? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Corrosion on Anchor Bolts Present? Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Anchor Bolts Loose? Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input checked="" type="checkbox"/> | Cracking Noted In Foundation? Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Spalling Noted? Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Summary: The base of the tank was found in good condition. |
|  |  |

Wall Panel Condition

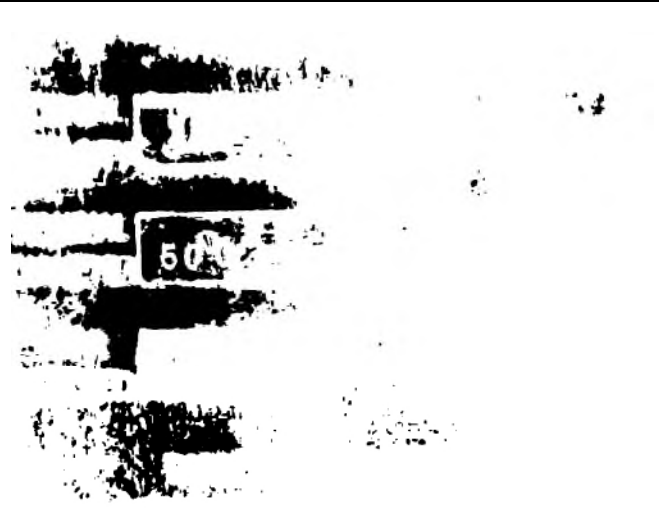
Coating Condition: Good
 Seams/Welds Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Dents Present? Y N

Holes Present? Y N
 Signs Of Leaking? Y N

Summary: The wall was found in good condition with minor de-lamination, sags & runs in the coating and moderate chalking noted.



De-lamination



Information plaque on wall



Overflow Structure Condition

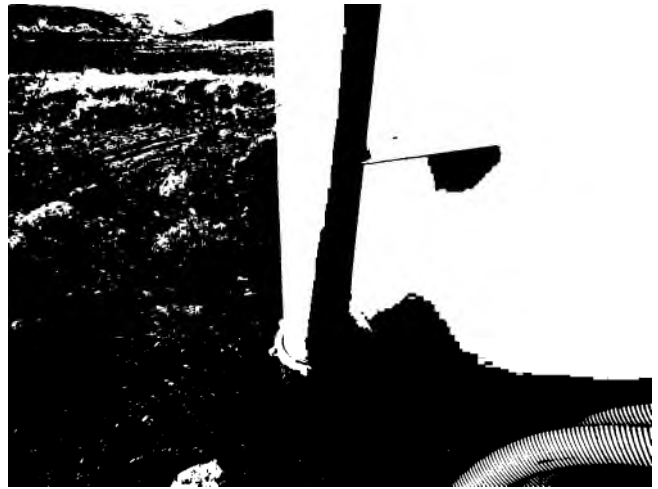
Coating Condition: Good
 Seams/Welds Condition: Excellent
 Stand Off Supports Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Directly Connected To Sewer or Drain? Y N N/A

End Cap Present? Y N
 Hinge and Cap Condition: Good
 #24 mesh Screen Present? Y N
 Condition: N/A

Summary: The overflow was found in good condition with moderate chalking noted.



Top of overflow pipe



Bottom of overflow going into ground



Overflow outlet closed

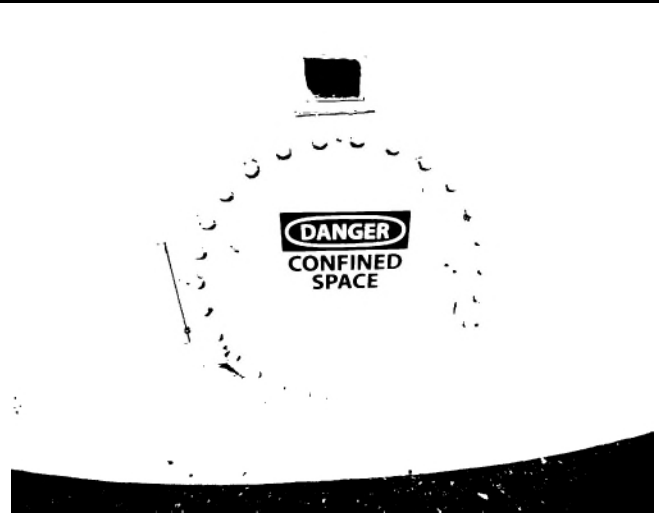
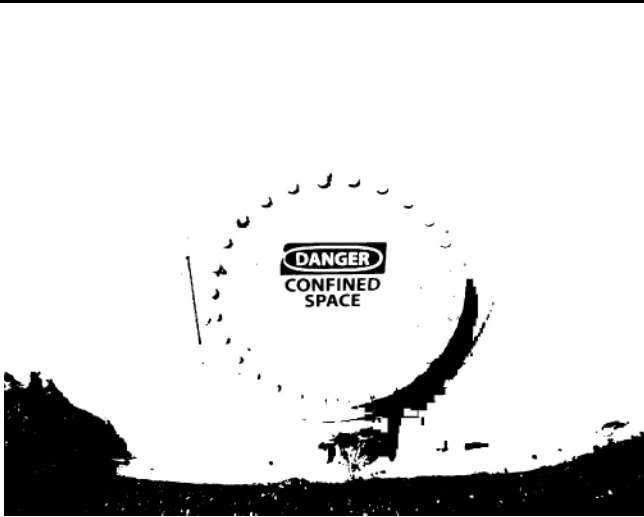


Overflow outlet open

Manway Condition

Coating Condition: Good
 Weld/Seam Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

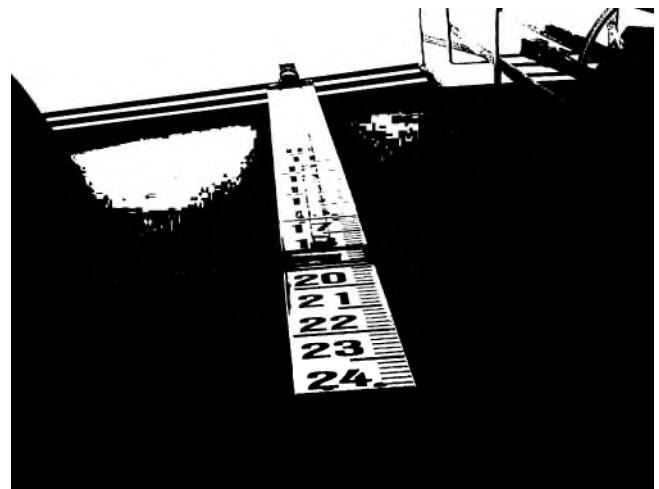
Summary: The manways were found secure and in good condition with moderate sags & runs in the coating and chalking noted.



Water Level Indicator Condition

Marker Condition: Good
 Attached & Accurate? Y N
 Marker Board Condition: Good
 Is the level reading visible? Y N
 Pulley Condition: Good
 Attached Properly? Y N
 Cable Condition: Good
 Attached Properly? Y N
 Hardware Condition: Good
 Corrosion Present? Y N

Summary: The water level indicator was found in good condition with fading noted at the top of the board.



Access Ladder Condition

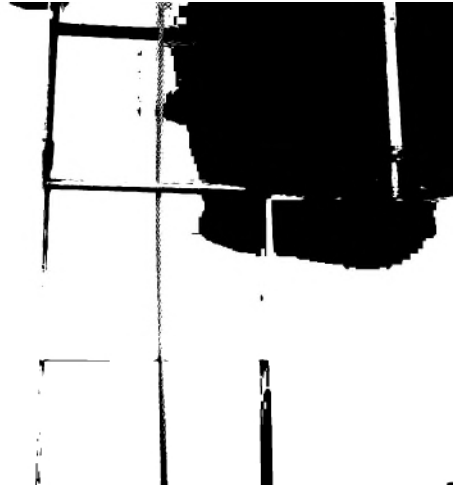
Ladder Type: Steel welded
 Is Ladder and Safety Climb **OSHA** Approved? Y N
 Is Vandal Guard Present? Y N
 Locked? Y N N/A
 Safety Climb Type: Cage & cable grab
 Safety Climb Condition: Good
 Is Top Of Tank Easily Accessible? Y N
 Coating Condition: Good
 Seams/Welds Condition: Excellent

Stand Off Supports Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

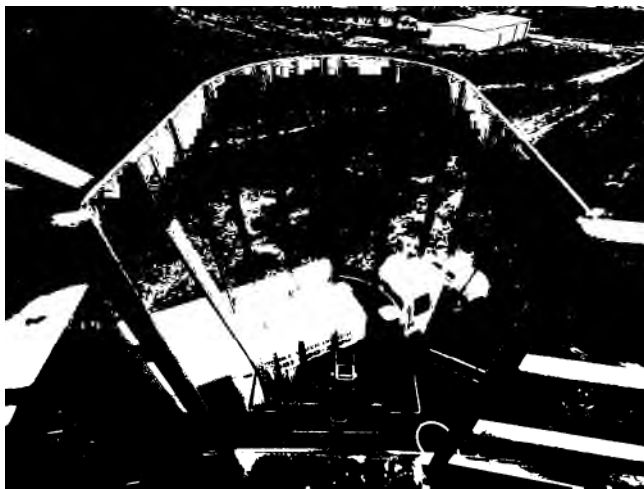
Summary: The ladder was found secure, OSHA approved and in good condition with minor sags & runs in the coating and chalking noted.



Ladder overall



Lower ladder



Safety cage



Ladder cable

Roof Condition

Roof Type: Pitched
 Coating Condition: Fair
 Seams/Welds Condition: Good
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Low Spots Present? Y N
 Holes in Roof? Y N
 Cathodic Protection Plates Present? Y N
 Sealed Edges: Y N N/A
 Loose Plates? Y N N/A
 Missing Plates? Y N N/A

Summary: The roof was found in good to fair condition with heavy de-lamination and greater than 50% uniform surface corrosion noted.



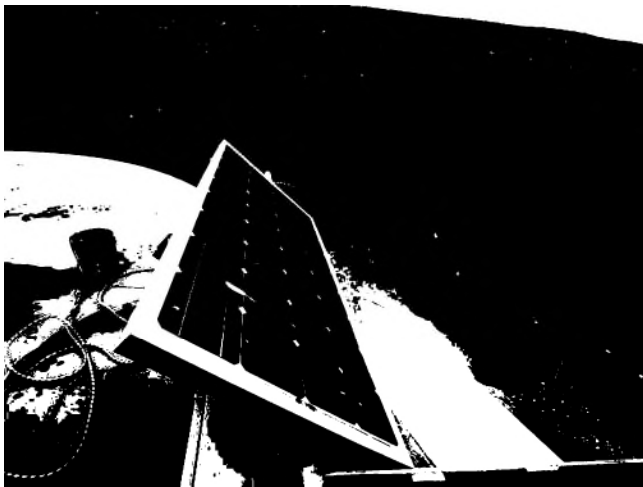
Overall view of roof



Handrail on roof



Antenna on roof



Solar panel on roof



Solar panel on roof

Access Hatch Condition

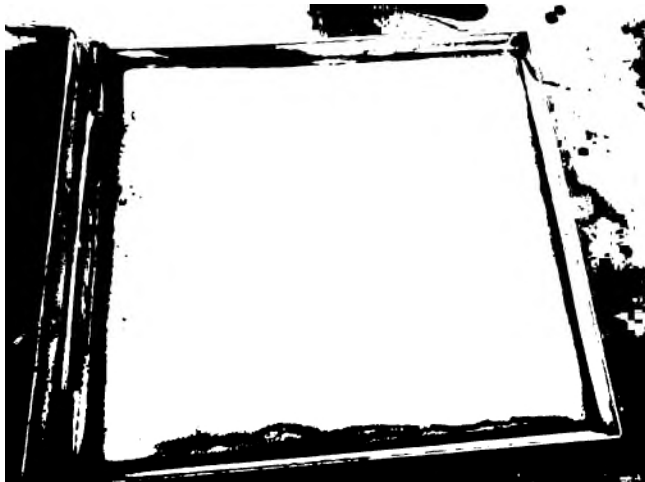
Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present: Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Hatch Size: 2 foot square
 Riser Height: 4 inches Lid Height: 2 inches
 Hatch Locked? Y N

Hinge Condition: Good
 Gasket Present? Y N
 Intact? Y N N/A
 Insects, Dirt Or Debris Present Under Hatch? Y N

Summary: The hatch was found locked with no gasket present and in good condition with 0.01% uniform surface corrosion noted.



Hatch open



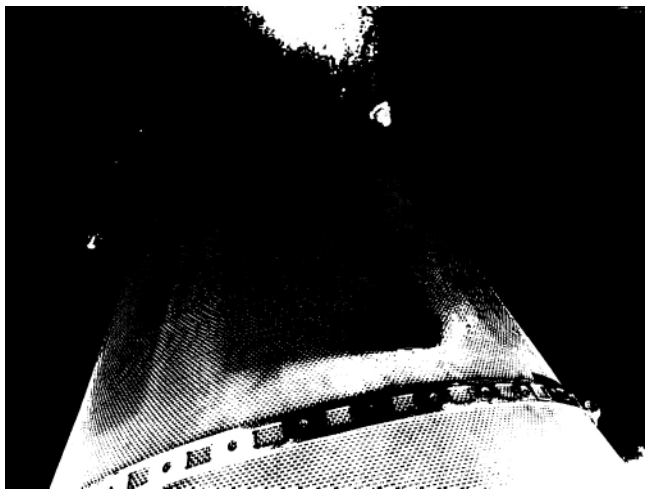
Underside of hatch lid

Vent Condition

Coating Condition: Good
 Seams/Welds Condition: Good
 Corrosion Present: Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 #24 Mesh Screen in Place? Y N
 Condition: Good

All Openings Sealed? Y N
 Cap Condition: Good

Summary: The vent was found in good condition minor staining noted.





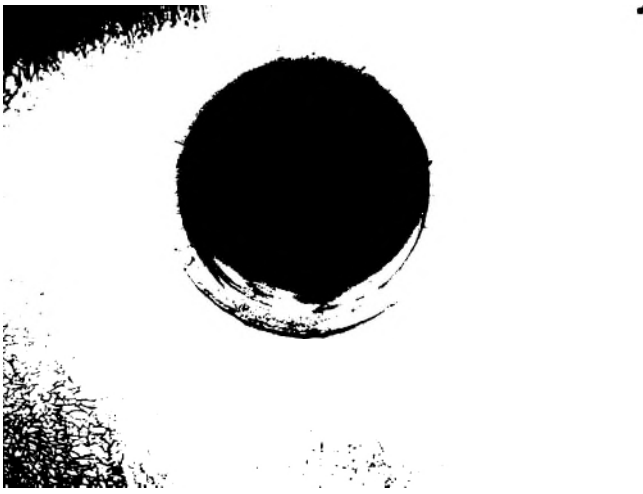
Screen on vent



Inland Potable Services, Inc.

Interior Inspection Report



| Roof Condition | |
|--|---|
| Coating Condition: Good/Fair Welds/seam Condition: Good Corrosion Present On Panels? Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Oxidation Present? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> | De-lamination Present? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Summary: The interior roof was found in good to fair condition with 33% concentrated cell corrosion and uniform surface corrosion noted. |
|  |  |
| Overflow Condition | |
| Overflow Location: 12 o'clock Coating Condition: Excellent/ Good Weld/Seam Condition: Good Corrosion Present? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Oxidation Present? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> De-lamination Present? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Summary: The overflow was found in excellent to good condition with minor staining noted. |  |

Ladder Condition

Ladder Location: 12 o'clock
Coating Condition: Good/Fair
Weld/Seam Condition: Good
Supports Condition: Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N

Summary: The ladder was found secure and in good condition with minor staining, cracking and 0.3% rust noduling noted.



Overall view of ladder



Bottom of ladder



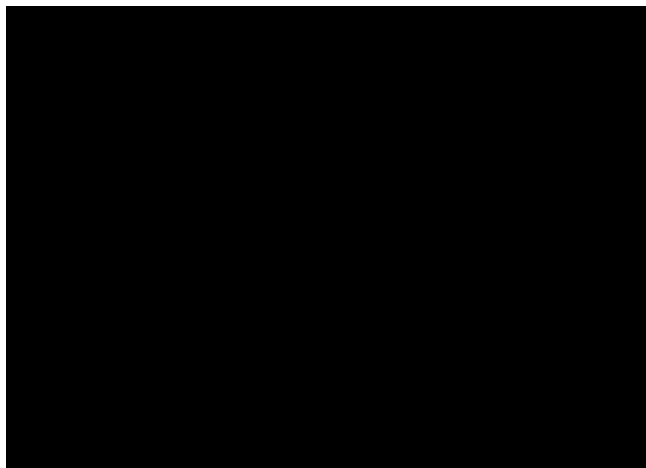
Top of ladder

Manway Condition

Manway Location(s): 3 o'clock & 9 o'clock
Coating Condition: Both Good
Weld/Seam Condition: Both Good
Corrosion Present? Y N
Oxidation Present? Y N

De-lamination Present? Y N

Summary: The manways were found in good condition with minor pinholes, staining, 0.1% concentrated cell corrosion and uniform surface corrosion noted.



Wall Panel Condition

Coating Condition: Good
 Welds/seam Condition: Good
 Corrosion Present On Panel? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N
 Is Biofilm Present: Y N
 Any irregularities or structural deficiencies? Y N

Summary: The interior wall was found in good condition with minor staining, pinholes, 0.03% concentrated cell corrosion and uniform surface corrosion noted.



Inlet and Outlet Condition

Common Inlet/Outlet? Y N Location: 11:45 o'clock
 If Separate:
 Outlet Location: N/A
 Inlet Location: N/A
 Coating Condition: Good
 Weld/Seam Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N
 De-lamination Present? Y N

Summary: The common inlet/outlet was found in good condition with minor blistering, moderate staining and 0.01% uniform surface corrosion noted.



Close-up of common inlet/outlet

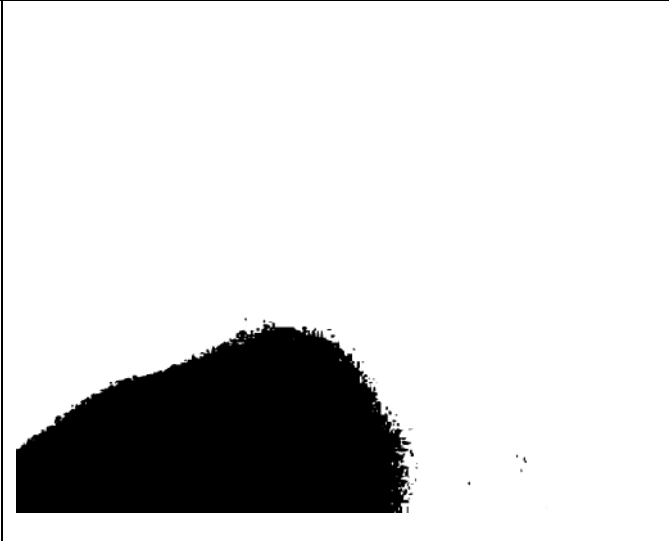
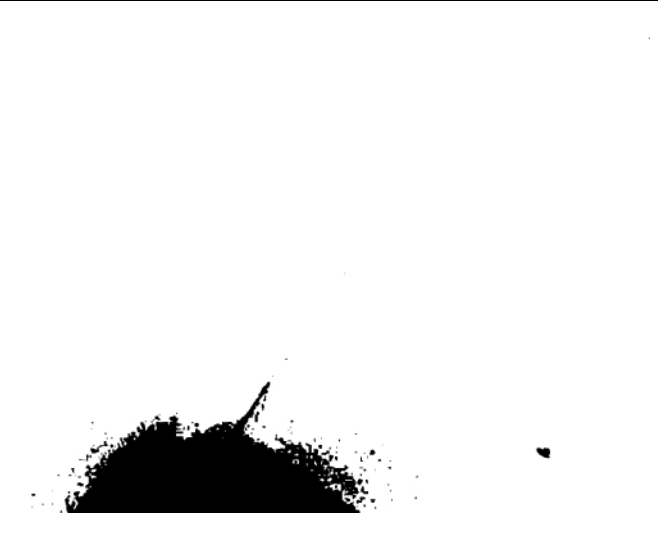
Floor Condition

Coating Condition: Good
Welds/seam Condition: Excellent/Good
Corrosion Present? Y N
Oxidation Present? Y N
De-lamination Present? Y N
Sediment Depth: 1/8 inch
Any irregularities or structural deficiencies? Y N

Summary: The floor was found in good condition with minor staining and 0.1% rust noduling noted.



Floor to wall seam



Float Condition

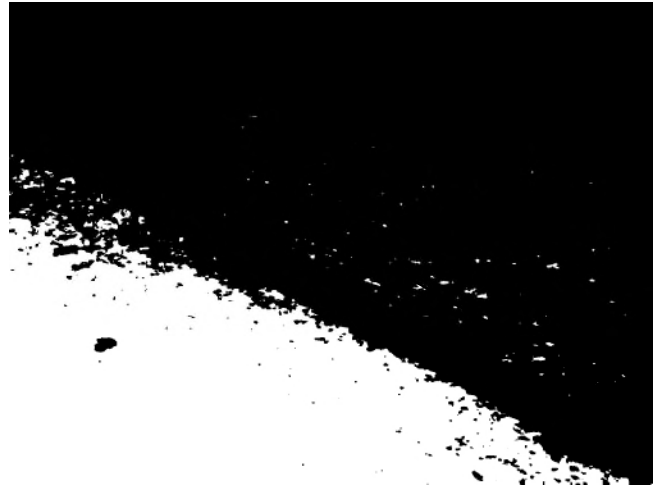
Float Location: 11:59 o'clock
 Guidelines Condition: Excellent
 Attached Properly? Y N
 Cable Condition: Excellent
 Attached Properly? Y N
 Hardware Condition: Excellent
 Corrosion Present? Y N

Float Condition: Good
 Sealed? Y N

Summary: The float was found in excellent to good condition with minor de-lamination noted.



Float



Float guidelines

Support Column Condition

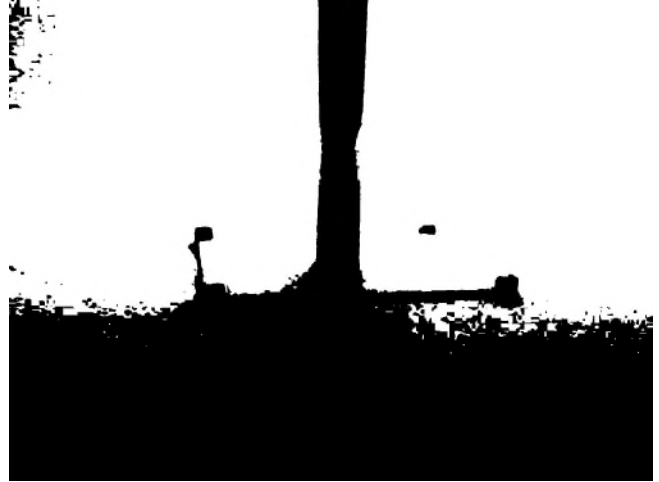
Number Of Columns: 1
 Coating Condition: Good
 Welds/seam Condition: Excellent
 Corrosion Present? Y N
 Oxidation Present? Y N

De-lamination Present? Y N

Summary: The support column was found secure and in good condition with minor pinholes, staining and 0.01% concentrated cell corrosion noted.

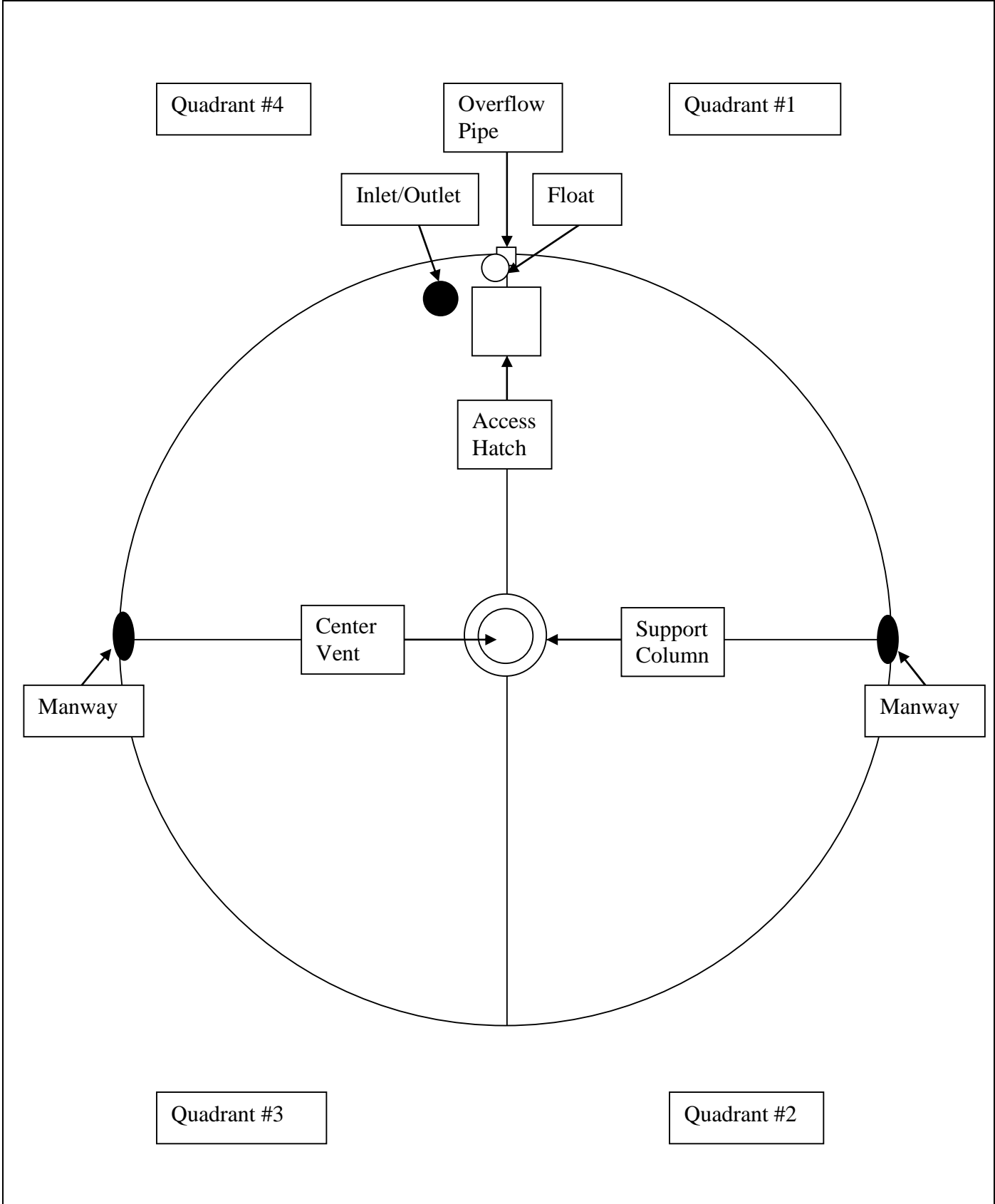


Top of support column



Base of support column

Tank Layout

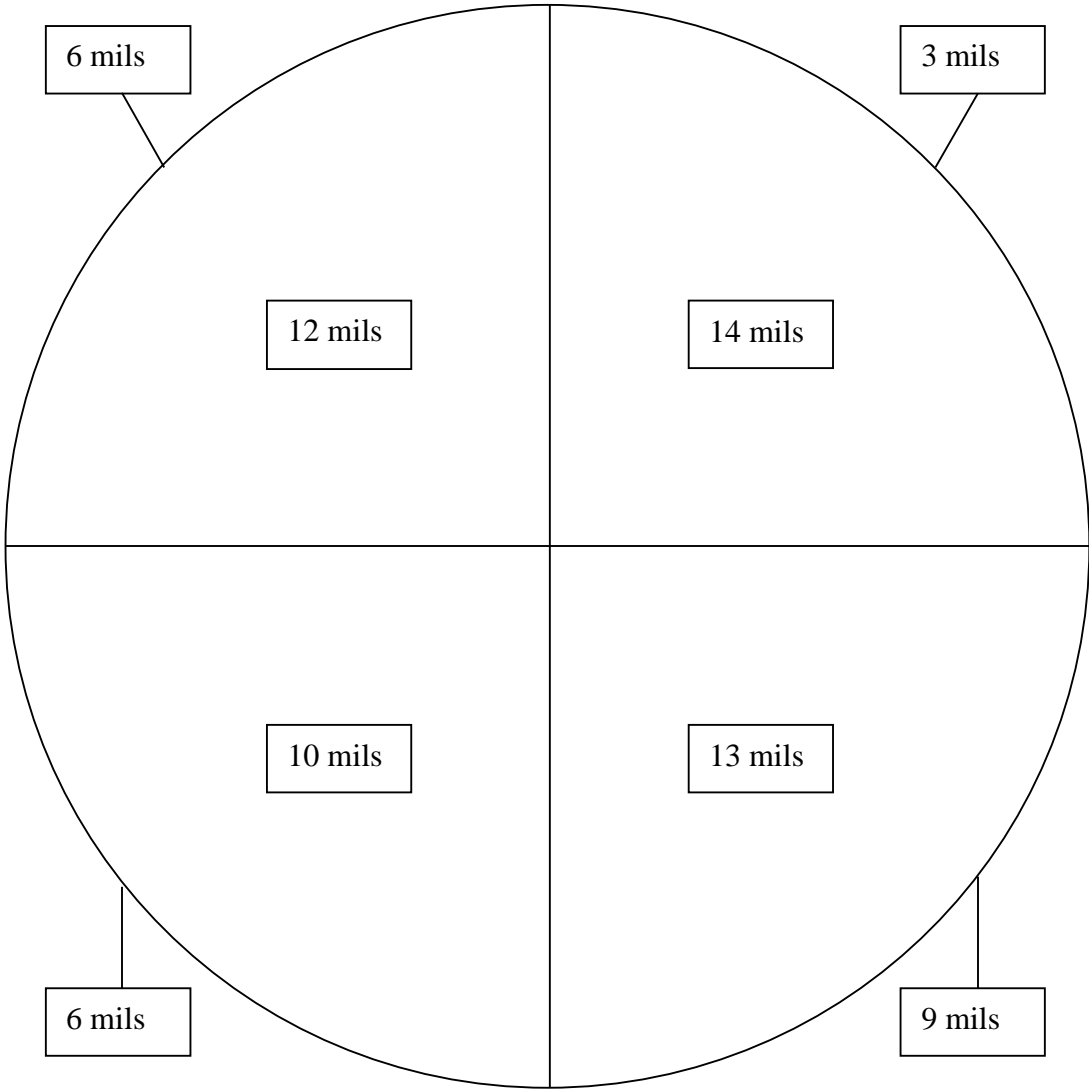


Tank Layout

Roof and Wall Coating Thickness Measurements

Quadrant #4

Quadrant #1



Quadrant #3

Quadrant #2

Tank Layout

Ultrasonic Metal Thickness Testing

Quadrant #4

Quadrant #1

.318

.312

.314

.316

.314

.318

.244

.246

.316

.320

.242

.238

.322

.308

.308

.312

.312

.316

.314

Quadrant #3

Quadrant #2

Great Basin Water Company – Spanish Springs Division (Volume V)

Sanitary Survey

August 13, 2020

Marc Rohus
1005 Terminal Way Suite 294
Reno, NV 89502

Sanitary Survey of Great Basin Water Co Spanish Springs (NV0000186)

This letter serves as the report of the Sanitary Survey conducted by the Washoe County Health District of the Great Basin Water Co Spanish Springs Public Water System on Tuesday, June 16, 2020.

Parties Present

Ellen Messinger-Patton (Washoe County Health District)
Marc Rohus (Great Basin Water Co)
Darrin Lewis (Great Basin Water Co)

Significant Deficiencies

No significant deficiencies were noted during the sanitary survey.

Other Deficiencies

The following minor deficiencies must be corrected to ensure adequate long-term protection of the water system. Provide evidence of any corrective actions taken to Washoe County Health District. Some descriptions have been combined if the deficiency is the same for two or more facilities.

Deficiency ID: 1, 2, 3

Facilities: Storage Tank 1, Storage Tank 2, Storage Tank 3

Description: Inspection Access; Storage facilities must be constructed to provide access for inspection and cleaning. NAC 445A.67075 (AWWA Standards) and NAC 445A.6708; 1

Comment: *WCHD unable to access top of tank due to PWS policy. PWS must provide WCHD with clear and labeled pictures of the following un-inspected tank element: (1) tank vent with screening (2) tank hatch open (3) tank hatch closed (4) interior of tank and sediment levels (5) top of tank. Pictures may be emailed to WCHD. Further corrective action may be required after these pictures are provided to WCHD. PWS may be required to provide third-party inspection reports of tank.*

Deficiency ID: 4

Facility: Storage Tank 2

Description: Hydro Tank Air Replacement; The hydropneumatic tank air adjustment system must meet adequate design criteria. NAC 445A.6706.2(e); 5

Comment: *Observed significant sagebrush growth around base of tank. Clear this area regularly to maintain sanitary conditions.*

Deficiency ID: 5, 6

Facility: Storage Tank 1, 2

Description: Water Level Indicator; Storage facilities must be equipped with telemetry or a visual water level indicator. NAC 445A.6708.7; 20

Comment: *Observed SCADA monitoring system showing both tank 1A and 1B as one facility. These tanks must be able to be monitored individually. Revise this monitoring system so that it shows each tank separately to ensure each tank is maintained appropriately.*

Monitoring and Reporting

No monitoring violations, Maximum Contaminant Level (MCL) violations, positive bacteriological samples, or other violations were issued during the past year.

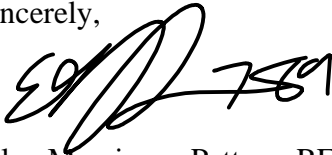
Reminders

Most regulations, guidance documents, and forms for the Nevada Division of Environmental Protection (NDEP) can be found at <https://ndep.nv.gov/water/drinking-water>.

Additional information and guidance is available on the EPA's Office of Ground Water and Drinking Water website (www.epa.gov/safewater) or at the Safe Drinking Water hotline (1-800-426-4791).

If you have any questions, please contact me at epatton@washoecounty.us.

Sincerely,



Ellen Messinger-Patton, REHS, Environmental Health Specialist
Environmental Health Services, Washoe County Health District

Enclosures: GWR Significant Deficiency Attachment

cc: David Kelly, REHS, Environmental Health Specialist Supervisor, WCHD
Andrea Seifert, P.E., PWS Compliance Branch Supervisor, NDEP-BSDW

APPENDIX G
Monthly Well Production

Great Basin Water Company – Pahrump Division (Volume II)

Monthly Well Production

| System Info | |
|-------------|--------------|
| PWS ID | 443 |
| Sub Name | Calvada Main |
| CO | 453 |
| State | Nevada |
| Region | West |

| System Input | | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 |
|--------------------------|-----|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Well 1 | Gal | 7,534,000 | 11,939,000 | 13,746,000 | 11,178,000 | 15,312,000 | 17,176,000 | 16,165,000 | 14,885,000 | 15,836,000 | 11,569,000 | 0 | 0 |
| Well 2 | Gal | 11,153,000 | 12,025,000 | 6,381,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9,695,000 |
| New Well 12 | Gal | 19,376,000 | 21,345,000 | 19,328,000 | 19,120,000 | 23,321,000 | 24,149,000 | 23,272,000 | 25,506,000 | 24,793,000 | 24,439,000 | 23,254,000 | 20,718,000 |
| Well9 | Gal | 2,662,070 | 1,599,760 | 5,056,980 | 11,032,440 | 13,932,370 | 15,107,900 | 11,336,000 | 12,015,100 | 14,131,500 | 11,542,000 | 12,426,900 | 16,580,600 |
| Well 10 Irrigation Only | Gal | 7,151,500 | 2,427,500 | 0 | 3,563,000 | 3,731,600 | 4,056,700 | 5,147,000 | 10,914,000 | 0 | 4,533,000 | 2,174,500 | 2,143,900 |
| Well 11 | Gal | 8,036,000 | 7,294,000 | 5,550,000 | 11,623,000 | 13,875,000 | 15,277,000 | 29,361,000 | 29,740,000 | 22,961,000 | 22,257,000 | 22,056,000 | 7,700,000 |
| Well 21 Irrigation Only | Gal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Well 8 Abandon 3-13-2017 | Gal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| System Input | | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Jul-21 | Aug-21 | Sep-21 | Oct-21 | Nov-21 | Dec-21 |
|--------------------------|-----|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Well 1 | Gal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Well 2 | Gal | 6,605,000 | 6,308,000 | 7,119,000 | 6,466,000 | 15,243,000 | 20,495,000 | 21,019,000 | 15,061,000 | 18,024,000 | 10,757,000 | 11,924,000 | 9,165,000 |
| New Well 12 | Gal | 23,037,000 | 20,445,000 | 20,439,000 | 23,512,000 | 24,670,000 | 22,482,000 | 27,529,000 | 22,637,000 | 24,174,000 | 23,072,000 | 17,099,000 | 17,416,000 |
| Well9 | Gal | 14,602,500 | 14,819,000 | 14,916,700 | 15,812,700 | 13,111,500 | 14,779,800 | 18,173,600 | 16,181,100 | 15,596,900 | 17,141,500 | 15,646,000 | 19,027,100 |
| Well 10 Irrigation Only | Gal | 3,125,000 | 2,101,500 | 1,948,511 | 3,509,600 | 3,442,400 | 3,474,000 | 3,845,000 | 918,200 | 2,053,900 | 3,874,800 | 2,209,600 | 2,682,500 |
| Well 11 | Gal | 11,593,000 | 7,203,000 | 9,817,000 | 17,850,000 | 20,281,000 | 13,940,000 | 18,715,000 | 20,206,000 | 20,943,000 | 18,122,000 | 15,759,000 | 11,039,000 |
| Well 21 Irrigation Only | Gal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Well 8 Abandon 3-13-2017 | Gal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| System Input | | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 | Oct-22 | Nov-22 | Dec-22 |
|--------------------------|-----|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Well 1 | Gal | 0 | 0 | 0 | 0 | 0 | 80,400 | 1,511,000 | 967,300 | 959,500 | 600,200 | 425,700 | 291,400 |
| Well 2 | Gal | 12,160,000 | 9,943,000 | 14,929,000 | 14,271,000 | 16,472,000 | 7,146,000 | 36,188,000 | 56,314,000 | 52,527,000 | 68,509,041 | 43,543,951 | 36,944,008 |
| New Well 12 | Gal | 23,985,000 | 18,972,000 | 23,747,000 | 23,333,000 | 22,565,000 | 22,534,000 | 8,114,000 | 1,875,000 | 74,000 | 170,000 | 0 | 0 |
| Well9 | Gal | 12,948,100 | 13,520,500 | 4,729,900 | 11,595,400 | 9,619,200 | 14,467,000 | 12,405,800 | 9,385,400 | 9,313,960 | 6,341,940 | 4,527,600 | 3,912,000 |
| Well 10 Irrigation Only | Gal | 2,151,600 | 2,145,800 | 3,214,800 | 0 | 0 | 3,590,900 | 4,920,400 | 4,384,600 | 4,773,000 | 4,401,400 | 2,019,000 | 634,000 |
| Well 11 | Gal | 9,950,000 | 11,473,000 | 17,559,000 | 18,122,000 | 19,678,000 | 23,312,000 | 11,356,000 | 4,725,000 | 4,739,000 | 6,750,000 | 2,333,000 | 4,774,000 |
| Well 21 Irrigation Only | Gal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Well 8 Abandon 3-13-2017 | Gal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | |
|--------|----------------------|
| PWS ID | |
| Sub | 443 |
| Name | Country View Estates |
| CO | 453 |
| State | Nevada |
| Region | West |

| System Input | | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 |
|--------------|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| CVE Well 1 | Gal | 628,100 | 660,950 | 760,240 | 1,000,040 | 1,472,780 | 3,625,010 | 4,390,000 | 5,667,720 | 4,763,020 | 3,030,400 | 3,802,380 | 2,983,650 |
| CVE Well 2 | Gal | 2,048,600 | 2,211,500 | 2,181,400 | 2,314,000 | 2,747,500 | 2,181,500 | 1,245,200 | 723,500 | 967,600 | 1,716,900 | 955,100 | 966,100 |
| CVN Well 1 | Gal | 1,182,500 | 1,178,800 | 1,139,600 | 1,237,300 | 1,468,700 | 279,900 | 795,200 | 604,900 | 410,300 | 1,129,200 | 457,400 | 764,800 |

| System Input | | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Jul-21 | Aug-21 | Sep-21 | Oct-21 | Nov-21 | Dec-21 |
|--------------|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| CVE Well 1 | Gal | 2,624,380 | 2,447,060 | 2,761,040 | 2,285,380 | 164,760 | 3,314,320 | 4,128,140 | 3,659,700 | 3,848,600 | 3,155,800 | 1,125,400 | 1,428,100 |
| CVE Well 2 | Gal | 165,000 | 992,000 | 835,200 | 2,352,800 | 5,699,200 | 1,124,700 | 1,748,800 | 2,030,800 | 1,466,600 | 2,121,800 | 2,306,800 | 2,299,000 |
| CVN Well 1 | Gal | 956,200 | 706,900 | 753,800 | 935,800 | 235,400 | 1,582,000 | 1,187,200 | 1,105,200 | 783,300 | 200 | 1,344,300 | 901,500 |

| System Input | | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 | Oct-22 | Nov-22 | Dec-22 |
|--------------|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| CVE Well 1 | Gal | 1,125,700 | 2,466,500 | 2,382,600 | 3,674,200 | 3,843,800 | 4,822,000 | 6,883,600 | 5,552,800 | 5,234,000 | 6,173,800 | 3,422,200 | 3,565,700 |
| CVE Well 2 | Gal | 2,221,200 | 1,341,100 | 2,450,600 | 1,695,300 | 1,459,700 | 1,322,700 | 1,072,700 | 1,807,700 | 1,404,500 | 442,000 | 1,476,500 | 1,436,300 |
| CVN Well 1 | Gal | 266,400 | 0 | 0 | 646,700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| System Info | |
|-------------|-----------------|
| PWS ID | |
| Sub | 443 |
| Name | Calvada Meadows |
| CO | 453 |
| State | Nevada |
| Region | West |

| System Input | | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 |
|--------------|-----|--------|--------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|
| Well 1 | Gal | 90,800 | 89,600 | 102,000 | 105,900 | 141,300 | 225,400 | 85,600 | 151,900 | 134,900 | 138,700 | 182,800 | 198,200 |

| System Input | | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Jul-21 | Aug-21 | Sep-21 | Oct-21 | Nov-21 | Dec-21 |
|--------------|-----|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|
| Well 1 | Gal | 189,000 | 93,200 | 100,600 | 105,300 | 134,300 | 136,200 | 182,200 | 144,600 | 154,600 | 125,500 | 96,300 | 118,200 |

| System Input | | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 | Oct-22 | Nov-22 | Dec-22 |
|--------------|-----|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Well 1 | Gal | 95,800 | 86,000 | 102,300 | 111,150 | 107,400 | 146,900 | 172,200 | 172,900 | 171,000 | 219,200 | 141,700 | 143,300 |

| System Info | |
|-------------|-----------------------|
| PWS ID | |
| Sub | 443 |
| Name | Mountain View Estates |
| CO | 453 |
| State | Nevada |
| Region | West |

| System Input | | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 |
|--------------|-----|--------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Well 1 | Gal | 97,120 | 101,690 | 98,720 | 115,430 | 141,640 | 175,070 | 154,710 | 181,160 | 157,160 | 140,570 | 127,530 | 115,380 |

| System Input | | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Jul-21 | Aug-21 | Sep-21 | Oct-21 | Nov-21 | Dec-21 |
|--------------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Well 1 | Gal | 121,570 | 161,710 | 106,460 | 121,570 | 179,590 | 197,480 | 221,790 | 146,370 | 154,510 | 148,590 | 129,730 | 129,090 |

| System Input | | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Jul-21 | Aug-21 | Sep-21 | Oct-21 | Nov-21 | Dec-21 |
|--------------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Well 1 | Gal | 126,060 | 112,920 | 122,790 | 146,040 | 140,620 | 163,710 | 161,260 | 164,730 | 183,800 | 338,900 | 299,800 | 279,080 |

| | |
|--------|----------------|
| | System Info |
| PWS ID | |
| Sub | 272 |
| Name | Mountain Falls |
| CO | 453 |
| State | Nevada |
| Region | West |

| System Input | | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 |
|--------------|-----|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|-----------|-----------|
| Well 1 | Gal | 6,783,600 | 6,523,300 | 5,756,300 | 12,235,400 | 21,729,200 | 34,134,700 | 39,318,400 | 22,552,200 | 15,355,000 | 7,487,600 | 5,725,200 | 4,608,400 |
| Well 2 | Gal | 2,856,300 | 4,680,900 | 5,276,300 | 0 | 0 | 0 | 1,829,400 | 15,510,400 | 15,460,200 | 15,510,900 | 5,631,200 | 4,704,500 |

| System Input | | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Jul-21 | Aug-21 | Sep-21 | Oct-21 | Nov-21 | Dec-21 |
|--------------|-----|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|-----------|-----------|-----------|
| Well 1 | Gal | 5,231,800 | 5,136,000 | 6,449,400 | 9,410,400 | 12,718,000 | 17,071,800 | 16,184,000 | 17,806,000 | 16,527,000 | 9,826,000 | 6,890,000 | 4,828,000 |
| Well 2 | Gal | 4,882,500 | 4,602,200 | 6,096,200 | 8,715,400 | 10,970,700 | 14,537,100 | 11,974,600 | 18,545,900 | 15,461,000 | 9,148,000 | 6,767,000 | 4,955,100 |

| System Input | | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 | Oct-22 | Nov-22 | Dec-22 |
|--------------|-----|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|
| Well 1 | Gal | 5,571,000 | 5,608,000 | 8,780,000 | 14,483,000 | 18,440,000 | 21,318,000 | 25,042,000 | 20,225,000 | 15,998,000 | 9,820,000 | 6,103,000 | 5,887,000 |
| Well 2 | Gal | 5,301,900 | 5,556,500 | 8,671,100 | 13,049,200 | 16,663,900 | 22,586,800 | 20,462,400 | 20,505,400 | 13,326,400 | 9,510,600 | 5,684,400 | 579,400 |

| | |
|--------|-----------------------------------|
| | System Info |
| PWS ID | |
| Sub | 727 |
| Name | Spring Mountain Motorsports Ranch |
| CO | 453 |
| State | Nevada |
| Region | West |

| System Input | | | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 |
|--------------|-----|--|---------|---------|------------|---------|-----------|---------|-----------|-----------|-----------|---------|------------|-----------|
| Well 1 | Gal | | 179,650 | 18,060 | 43,774,110 | 59,890 | 0 | 0 | 0 | 21,660 | 0 | 0 | 19,331,960 | 102,830 |
| Well 2 | Gal | | 275,750 | 398,450 | 576,420 | 756,270 | 1,487,870 | 866,390 | 1,369,980 | 1,277,090 | 1,100,260 | 891,500 | 1,047,680 | 1,057,610 |

| System Input | | | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Jul-21 | Aug-21 | Sep-21 | Oct-21 | Nov-21 | Dec-21 |
|--------------|-----|--|-----------|---------|---------|-----------|-----------|---------|-----------|-----------|-----------|------------|------------|------------|
| Well 1 | Gal | | 0 | 137,080 | 194,810 | 292,730 | 1,180,270 | 806,300 | N/A | N/A | N/A | 31,190,840 | 45,262,920 | 10,980,080 |
| Well 2 | Gal | | 1,182,240 | 173,030 | 522,330 | 1,010,630 | 1,006,780 | 925,110 | 3,316,000 | 3,210,470 | 3,383,030 | 5,193,520 | 931,940 | 1,028,330 |

| System Input | | | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 | Oct-22 | Nov-22 | Dec-22 |
|--------------|-----|--|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Well 1 | Gal | | 1,272,860 | 1,068,010 | 368,460 | 188,060 | 438,560 | 300,060 | 566,500 | 20,470 | 3,910 | 41,530 | 2,990 | 14,250 |
| Well 2 | Gal | | 1,130,160 | 1,313,710 | 626,080 | 1,120,180 | 1,024,990 | 1,034,710 | 1,354,680 | 3,169,880 | 2,206,330 | 1,119,320 | 1,315,460 | 1,301,470 |

Great Basin Water Company – Spring Creek Division (Volume III)

Monthly Well Production

| | |
|--------|----------------------|
| PWS ID | System Info |
| Sub | NV000036 |
| Name | 403 |
| CO | Spring Creek Housing |
| State | 451 |
| Region | Nevada |
| | West |

| System Input | | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 |
|--------------|-----|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|
| Well 4 | Gal | 0 | 0 | 25,700 | 495,500 | 5,771,100 | 15,120,700 | 28,553,500 | 27,451,100 | 1,281,500 | 3,028,300 | 265,000 | 276,800 |
| Well 5 | Gal | 0 | 32,000 | 0 | 0 | 1,159,000 | 18,211,000 | 25,332,000 | 24,621,000 | 22,859,000 | 14,223,000 | 393,000 | 9,532,000 |
| Well 7 | Gal | 0 | 0 | 96,300 | 31,900 | 3,600,000 | 0 | 0 | 2,183,900 | 7,973,800 | 7,973,800 | 182,400 | 197,900 |
| Well 8 | Gal | 0 | 0 | 0 | 0 | 963,800 | 3,825,400 | 7,367,300 | 9,145,900 | 6,368,300 | 2,403,500 | 400 | 0 |
| Well 9 | Gal | 3,169,600 | 3,095,000 | 3,362,800 | 5,303,200 | 12,245,900 | 14,422,800 | 19,928,200 | 19,740,300 | 15,561,300 | 8,628,400 | 3,524,100 | 3,439,000 |
| Well 10 | Gal | 0 | 0 | 0 | 2,707,300 | 10,485,100 | 10,880,800 | 13,523,400 | 13,377,200 | 12,192,200 | 12,551,000 | 12,760,200 | 2,974,100 |
| Well 12 | Gal | 3,741,500 | 3,434,600 | 4,087,700 | 6,660,700 | 13,720,400 | 13,392,800 | 13,722,200 | 12,109,900 | 10,734,200 | 7,921,900 | 5,044,900 | 5,106,200 |
| Well 14 | Gal | 0 | 0 | 0 | 0 | 5,759,000 | 11,351,000 | 13,348,000 | 10,312,000 | 0 | 67,000 | 12,400 | 3,000 |
| Well 101 | Gal | 12,505,800 | 12,067,800 | 12,994,200 | 22,046,200 | 32,152,300 | 13,586,800 | 11,131,000 | 11,377,200 | 6,521,900 | 1,208,900 | 0 | 0 |

| System Input | | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Jul-21 | Aug-21 | Sep-21 | Oct-21 | Nov-21 | Dec-21 |
|--------------|-----|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Well 4 | Gal | 321,400 | 1,225,500 | 1,642,200 | 2,142,000 | 13,568,500 | 26,127,700 | 16,939,700 | 13,808,800 | 5,480,200 | 133,500 | 0 | 0 |
| Well 5 | Gal | 12,837,000 | 10,230,000 | 11,247,000 | 16,600,000 | 10,280,000 | 23,774,000 | 6,086,000 | 18,000 | 12,000 | 44,000 | 20,000 | 17,000 |
| Well 7 | Gal | 0 | 0 | 370,600 | 655,900 | 2,960,100 | 5,246,900 | 9,663,100 | 9,325,100 | 8,083,100 | 1,844,800 | 0 | 0 |
| Well 8 | Gal | 0 | 0 | 0 | 0 | 258,000 | 6,653,400 | 449,000 | 7,520,100 | 5,773,200 | 586,300 | 0 | 208,900 |
| Well 9 | Gal | 3,650,600 | 3,086,000 | 3,539,400 | 4,585,000 | 8,469,600 | 16,880,700 | 19,489,500 | 18,339,700 | 16,455,800 | 5,688,600 | 4,083,600 | 3,868,200 |
| Well 10 | Gal | 0 | 0 | 0 | 1,057,400 | 12,884,100 | 13,393,700 | 11,733,600 | 8,669,000 | 7,228,800 | 148,200 | 0 | 1,825,100 |
| Well 12 | Gal | 4,812,900 | 3,415,400 | 3,997,500 | 5,811,600 | 10,681,200 | 12,170,200 | 11,130,000 | 9,981,900 | 8,303,600 | 5,944,600 | 4,372,700 | 3,987,400 |
| Well 14 | Gal | 0 | 0 | 0 | 0 | 465,000 | 3,055,000 | 4,394,090 | 11,619,885 | 11,129,877 | 10,014,640 | 0 | 10,707,781 |
| Well 101 | Gal | 0 | 0 | 0 | 0 | 0 | 839,100 | 36,139,300 | 39,775,800 | 33,330,700 | 9,970,600 | 13,007,100 | 969,100 |

| System Input | | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 | Oct-22 | Nov-22 | Dec-22 |
|--------------|-----|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|
| Well 4 | Gal | 0 | 0 | 0 | 0 | 1,330,600 | 10,540,100 | 15,422,300 | 8,138,100 | 13,490,900 | 1,144,800 | 0 | 35,900 |
| Well 5 | Gal | 1,048,000 | 2,371,000 | 4,652,000 | 11,123,000 | 14,474,000 | 10,766,000 | 12,604,000 | 7,940,000 | 10,539,000 | 9,970,000 | 2,168,000 | 7,275,000 |
| Well 7 | Gal | 0 | 0 | 4,900 | 0 | 0 | 659,500 | 10,383,000 | 2,900,800 | 3,792,400 | 0 | 0 | 95,400 |
| Well 8 | Gal | 204,900 | 0 | 0 | 0 | 7,851,500 | 6,243,600 | 11,224,100 | 10,465,400 | 9,550,500 | 7,016,600 | 0 | 0 |
| Well 9 | Gal | 4,082,400 | 3,721,700 | 4,078,800 | 4,206,000 | 9,048,600 | 15,342,500 | 19,485,600 | 15,625,300 | 13,109,900 | 7,946,900 | 3,325,000 | 3,773,900 |
| Well 10 | Gal | 1,117,900 | 0 | 0 | 954,900 | 8,368,500 | 13,787,300 | 13,599,300 | 8,676,500 | 11,991,700 | 12,954,300 | 231,400 | 37,200 |
| Well 12 | Gal | 4,036,100 | 3,707,300 | 4,165,700 | 4,289,500 | 407,400 | 11,090,500 | 10,518,700 | 7,949,200 | 4,825,400 | 1,665,900 | 3,973,700 | 4,208,600 |
| Well 14 | Gal | 11,523,241 | 10,128,314 | 8,800,409 | 1,044,949 | 1,572,962 | 11,123,503 | 10,599,084 | 8,279,224 | 9,580,822 | 6,715,436 | 10,282,568 | 6,869,381 |
| Well 101 | Gal | 0 | 0 | 0 | 4,700 | 13,604,700 | 29,561,900 | 34,467,800 | 38,767,500 | 15,889,000 | 4,791,800 | 963,100 | 84,300 |

| | |
|--------|--------------------|
| | System Info |
| PWS ID | NV0005027 |
| Sub | 403 |
| Name | Spring Creek - MHP |
| CO | 451 |
| State | Nevada |
| Region | West |

| System Input | | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 |
|--------------|-----|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|
| Well 1 | Gal | 0 | 10,900 | 560,500 | 56,200 | 4,145,100 | 7,888,100 | 9,002,000 | 7,138,300 | 5,576,400 | 7,971,800 | 8,305,900 | 7,261,300 |
| Well 3 | Gal | 3,440,600 | 4,333,900 | 5,882,200 | 8,903,500 | 8,771,100 | 11,926,600 | 16,495,100 | 21,964,500 | 12,062,600 | 8,534,100 | 589,200 | 8,500 |
| Well 11 | Gal | 7,130,800 | 5,692,600 | 4,964,900 | 5,032,100 | 9,825,200 | 6,590,700 | 8,359,300 | 4,720,000 | 7,998,300 | 788,900 | 2,702,200 | 4,322,300 |

| System Input | | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Jul-21 | Aug-21 | Sep-21 | Oct-21 | Nov-21 | Dec-21 |
|--------------|-----|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|
| Well 1 | Gal | 8,503,300 | 492,900 | 11,100 | 10,900 | 5,407,300 | 6,755,000 | 8,802,100 | 9,105,800 | 5,588,500 | 6,704,600 | 5,287,500 | 7,277,600 |
| Well 3 | Gal | 0 | 6,241,800 | 5,643,400 | 6,801,300 | 9,442,000 | 15,113,100 | 18,485,000 | 13,438,900 | 10,569,600 | 5,056,400 | 2,199,900 | 2,070,400 |
| Well 11 | Gal | 3,001,100 | 3,343,100 | 6,007,900 | 6,637,400 | 3,964,600 | 9,101,000 | 7,487,800 | 7,737,800 | 8,868,600 | 2,540,600 | 3,674,900 | 1,599,900 |

| System Input | | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 | Oct-22 | Nov-22 | Dec-22 |
|--------------|-----|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|
| Well 1 | Gal | 5,611,300 | 4,619,500 | 3,598,700 | 3,354,300 | 6,597,900 | 9,129,200 | 9,762,400 | 9,679,400 | 9,326,700 | 6,650,700 | 7,593,700 | 8,535,600 |
| Well 3 | Gal | 5,971,500 | 5,962,000 | 8,297,500 | 8,783,000 | 11,603,800 | 16,720,000 | 16,259,000 | 11,378,700 | 8,348,100 | 8,969,700 | 3,644,400 | 4,177,700 |
| Well 11 | Gal | | 0 | 0 | | 0 | 756,000 | 8,055,100 | 6,688,500 | 6,128,600 | 176,200 | 0 | 0 |

Great Basin Water Company – Cold Springs Division (Volume IV)

Monthly Well Production

| | |
|--------|--------------|
| | System Info |
| PWS ID | NV000207 |
| Sub | 444 |
| Name | Cold Springs |
| CO | 450 |
| State | Nevada |
| Region | West |

| System Input | | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 |
|--------------|-----|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|-----------|-----------|
| Well 1 | Gal | 3,592,623 | 3,349,509 | 4,221,101 | 12,011,518 | 8,911,089 | 11,386,448 | 14,488,319 | 12,494,280 | 11,027,151 | 7,574,301 | 3,230,057 | 3,346,528 |
| Well 2 | Gal | 0 | 0 | 0 | 0 | 600 | 0 | 0 | 0 | 600 | 0 | 0 | 500 |
| VanDyke | Gal | 4,692,200 | 4,989,500 | 5,022,700 | 8,840,900 | 15,257,300 | 17,852,700 | 18,759,500 | 20,111,800 | 16,555,100 | 10,490,800 | 5,463,600 | 5,384,600 |
| Well 6 | Gal | 3,141,506 | 1,301,688 | 1,321,748 | 2,487,037 | 6,873,754 | 7,460,672 | 8,298,379 | 7,899,601 | 6,672,640 | 4,939,632 | 1,927,969 | 1,664,533 |
| Well 7 | Gal | 133,645 | 1,989,801 | 2,058,349 | 4,711,238 | 5,858,111 | 6,824,957 | 7,434,720 | 8,106,228 | 7,077,770 | 4,228,928 | 1,629,385 | 1,727,473 |
| Well 8 | Gal | 5,656,257 | 5,508,670 | 7,371,701 | 8,619,561 | 21,751,521 | 23,357,875 | 22,335,844 | 23,834,298 | 20,995,521 | 15,276,824 | 6,719,804 | 6,071,776 |

| System Input | | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Jul-21 | Aug-21 | Sep-21 | Oct-21 | Nov-21 | Dec-21 |
|--------------|-----|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|
| Well 1 | Gal | 3,195,082 | 3,123,893 | 3,497,876 | 7,109,020 | 7,623,235 | 11,131,125 | 15,173,633 | 13,857,228 | 12,287,952 | 5,943,179 | 3,832,212 | 3,914,164 |
| Well 2 | Gal | 0 | 300 | 0 | 0 | 700 | 0 | 0 | 300 | 0 | 0 | 300 | 0 |
| VanDyke | Gal | 5,270,000 | 4,548,300 | 5,100,700 | 10,269,200 | 15,264,600 | 19,315,700 | 21,125,300 | 18,663,500 | 15,005,200 | 6,997,600 | 4,732,300 | 4,868,000 |
| Well 6 | Gal | 1,946,376 | 1,685,914 | 1,377,505 | 4,398,076 | 6,638,919 | 8,259,950 | 9,014,261 | 8,186,009 | 6,817,539 | 2,934,734 | 1,740,653 | 1,989,003 |
| Well 7 | Gal | 1,646,555 | 1,418,359 | 2,190,395 | 3,748,786 | 5,353,654 | 7,164,890 | 7,940,971 | 7,212,233 | 6,021,704 | 2,560,810 | 1,499,783 | 1,642,415 |
| Well 8 | Gal | 6,402,476 | 5,641,172 | 6,943,010 | 13,936,473 | 18,855,343 | 23,704,433 | 24,036,011 | 22,076,113 | 19,245,949 | 9,174,931 | 5,892,030 | 6,013,056 |

| System Input | | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 | Oct-22 | Nov-22 | Dec-22 |
|--------------|-----|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|-----------|-----------|
| Well 1 | Gal | 3,962,784 | 3,496,837 | 4,346,030 | 6,874,096 | 10,803,148 | 12,621,906 | 14,488,319 | 13,281,959 | 11,333,717 | 7,923,155 | 3,821,327 | 4,119,340 |
| Well 2 | Gal | 0 | 700 | 0 | 0 | 700 | 0 | 0 | 300 | 0 | 0 | 800 | 0 |
| VanDyke | Gal | 4,894,300 | 4,456,500 | 5,178,500 | 7,263,600 | 10,823,900 | 14,375,000 | 18,759,500 | 16,521,500 | 13,209,400 | 8,967,400 | 4,649,900 | 4,736,600 |
| Well 6 | Gal | 1,736,815 | 1,630,285 | 2,067,134 | 3,187,963 | 8,251,994 | 6,964,170 | 8,298,379 | 7,709,928 | 6,364,951 | 4,217,303 | 1,792,401 | 579,182 |
| Well 7 | Gal | 1,502,921 | 1,402,228 | 1,764,368 | 2,766,317 | 2,619,580 | 6,163,915 | 7,434,720 | 6,913,489 | 5,723,843 | 3,767,066 | 1,578,691 | 2,867,268 |
| Well 8 | Gal | 6,001,961 | 5,303,893 | 6,772,877 | 9,867,123 | 16,909,765 | 19,166,571 | 22,335,844 | 20,494,708 | 17,489,118 | 12,151,204 | 5,770,445 | 5,975,172 |

Great Basin Water Company – Spanish Springs Division (Volume V)

Monthly Well Production

| | |
|--------|---|
| | System Info |
| PWS ID | NV0001086 |
| Sub | 388 |
| Name | Sky Ranch Water Service (Spanish Springs) |
| CO | 452 |
| State | Nevada |
| Region | West |

| System Input | | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 |
|----------------------|-----|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|
| Well 1 (Bridle Path) | Gal | 0 | 0 | 0 | 4,136,532 | 13,142,877 | 14,380,455 | 16,838,210 | 16,452,195 | 14,295,724 | 9,066,962 | 2,137,860 | 43,002 |
| Well 2 (Suki) | Gal | 3,082,295 | 3,862,571 | 4,211,967 | 10,776,203 | 11,750,418 | 13,170,161 | 15,795,518 | 15,462,031 | 13,220,387 | 8,064,154 | 1,734,194 | 3,247,715 |

| System Input | | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Jul-21 | Aug-21 | Sep-21 | Oct-21 | Nov-21 | Dec-21 |
|----------------------|-----|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|
| Well 1 (Bridle Path) | Gal | 0 | 0 | 0 | 4,012,577 | 11,771,695 | 14,448,296 | 14,765,076 | 14,725,608 | 12,695,429 | 5,220,751 | 597,053 | 0 |
| Well 2 (Suki) | Gal | 3,305,770 | 2,860,532 | 4,529,735 | 13,335,569 | 10,642,191 | 13,566,347 | 13,879,423 | 13,859,780 | 11,769,802 | 4,647,881 | 3,069,855 | 3,493,970 |

| System Input | | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 | Oct-22 | Nov-22 | Dec-22 |
|----------------------|-----|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|
| Well 1 (Bridle Path) | Gal | 0 | 0 | 0 | 723,355 | 11,118,584 | 13,003,586 | 15,987,234 | 14,576,985 | 12,659,644 | 7,727,356 | 0 | 0 |
| Well 2 (Suki) | Gal | 3,561,832 | 3,462,072 | 5,730,269 | 12,964,166 | 10,201,496 | 12,074,383 | 15,291,839 | 13,730,685 | 11,855,560 | 8,564,521 | 3,692,619 | 3,567,351 |