



Potable Divers Inc  
PO Box 474  
Vernal, UT 84078  
(866)-789-3483

City of Toledo  
206 North Main Street  
Toledo, OR 97391

Potable Divers would like to thank the City of Toledo for allowing us to provide you with our services.

Our reputation precedes us in accurately estimating the time, resources and funds needed to complete a job. We take pride in the fact that all of our clients know we will complete the job on time and within a fixed budget.

With several dive teams located in the western states, and a dive team dedicated only to emergency responses we can be anywhere in the 12 western states in 24 hours or less.

PDI complies with all AWWA, and OSHA standards and requirements. We are insured, licensed, and bonded, and will comply with the insurance and indemnity terms without exception.

The combined staff has more than 35 years of experience, in the last year alone Potable Divers has serviced over 100 different clients ranging from Colorado to California, projects consisting of potable water reservoir cleaning, inspection, repair, cathodic protection installation and maintenance, dredging river intakes, inspection and rehabilitation of those intakes, dam gate, valve and stem retrofitting, dam trash rack removal and cleaning and general inspection, sediment removal and disposal in pipelines, vessels, and water tanks. With experienced office and diving staff Potable Divers is available 24/7, with a dive team dedicated only to emergency response we can be anywhere in the twelve western states within 24 hours, or less.

All divers are ACDE certified having graduated from an accredited school with a minimum of 700 hours of training, in addition to first aid, CPR, oxygen administration. Divers are certified in NACE and ASNT NDT, and with the American Concrete Institute. Divers are required to have these certifications with them at all times while on the job site. All our services are provided with unbroken color video, color photos, and uninterrupted voice communications. We offer our clients the ability and convenience of leaving their facilities on line, and in full service without interruption, while we clean the floor, walls, support columns and appurtenances.

## 2.0 PROCEDURES FOR PERFORMING SERVICES

### 2.1 METHOD OF APPROACH

#### **Scope of Work:**

The inspection of each tank will include the extent of coating and materials deterioration, area by area within each structure. The principle areas of consideration are the roof, the exterior wall and appurtenances, the interior underside of the roof and supporting columns and the non-immersed areas of the interior wall and appurtenances. To perform a complete inspection of the floor, cleaning of the sediment accumulation up to 1" in depth from the tank floor is highly recommended. Video documentation of the floor will be obtained prior to cleaning, which will indicate the amount of silt and sediment present. During the time of inspection, Water personnel shall raise and maintain water level to near overflow. This allows the divers headroom, yet enables easy access to document the interior roof, columns, etc. Interior inspection, both over and underwater, will be conducted to determine coating condition of the tanks' interior walls, roof beams, columns, ladder, interior coating, depth monitoring equipment, cathodic protection equipment, etc.

Tank interior air sampling shall be performed and PDI confined space entry permit(s) will be completed prior to diver entry to the tank. Diver(s) shall be decontaminated per ANSI/AWWA C652-02 prior to entry.

A hi-resolution color video camera will be attached to the divers helmet and monitored at the surface dive station by the dive supervisor and, if desired, by representatives of the Water company. Direct communications with the diver will be maintained at all times.

Potable Divers Inc will offer the color still-photographs and video. Accordingly, information will be documented using a separate color videotape. However, CD, or DVD format are available at the Clients' option.

A typed report will be generated on the team's findings referencing video related inspection information to location diagrams and an inspection overview. The report will include the existing condition of the interior and exterior of each reservoir and provide recommendations for repairs, if necessary and an evaluation of ongoing maintenance needs.

#### **Safety Program:**

Included for your review is a very brief summary of our safety policies and practices manual, this is due to the size and volume of the 300 plus page manual. A complete manual is available at each job site for the clients review.

The Policy of Potable Divers Inc, herein after called the "Company", is to maintain the highest standards for the Safety and Health of all the Company employees and to conduct all activities with appropriate safeguards against exposure of the general public to risks against their safety and health. In order to meet this criterion the Company provides and maintains safe and healthy working conditions, equipment, and safe systems of work for all its employees, and to provide such information, training, and supervision, as they need for this purpose.

The Company accepts its obligations to seek to reduce the incidence of accidents, dangerous occurrences and hazards to the safety and health of its employees and other people who may be affected by our activities.

The Company requires that all employees shall regard safe working as a prime objective and take all possible steps to achieve it. Safety is the condition for the protection of life, property, and/or equipment against failure, breakage, or accidental loss. To aid in achieving this objective, every person involved must realize the potential consequences of accidents and comply fully with the Company Safety Procedures and applicable legislation.

In putting this Safety Policy into practice, the Safety Group is authorized to require the cessation of work where they deem Safety to have been compromised.

Potable Divers Inc is totally committed to SAFETY; it is the primary priority of the Company and shall not be compromised. The management and staff of the Company have adopted a "multi-faceted approach" to safety management in order to provide and maintain a safe and healthy working environment on all operations, while ensuring the objectives of the operation are achieved efficiently and with a minimum of risk to personnel.

In order to implement these goals, various policies, procedures, and guidance are promulgated in Company manuals. It is the intent that the Diving Operations Manuals will provide Codes of Practice for all Potable Divers Inc diving operations and it is a mandatory requirement that all personnel involved with diving operations familiarize themselves with the instructions contained therein.

Where National or Local Government legislation exists applicable to diving operations, it is intended that the procedures and practices quoted in the Diving Operations Manual will take precedence to the Government legislation, only in circumstances where the company policy is more stringent.

The wide scope of diving operations and variety of equipment used inevitably means those specific instructions for every situation and circumstance is not possible. These instructions, however, form the basis from which every operation will develop its individual procedures applicable to that operation.

Supervisors are directly responsible for the implementation of these policies and are to ensure that no unjustified deviations occur.

All personnel working on Potable Divers Inc diving operations will, in addition to any statutory obligation, comply with these policies except where authorized dispensation has been given.

No person may willfully, or without reasonable cause, do anything liable to endanger the safety of themselves, other personnel, plant, or equipment.

Diving is a potentially hazardous occupation, which requires constant alertness, discipline, and dedication to ensure the safety of all concerned.

[ THINK SAFE ]      [ WORK SAFE ]      [ BE SAFE ]

Any persons discovering a hazard or equipment malfunction at their work place must report the fact immediately to their supervisor, who will report it to the Safety Department if necessary.

## **2.2 DOCUMENTATION OF STORAGE TANKS, PROPERTY, AND CATHODIC PROTECTION**

All findings found are documented before, after, and during cleaning and inspection on the video report as well as still photos. Items to be documented will be any area of concern, corrosion, holidays, cracking, blistering, pitting, inconsistency, all tank/reservoir plumbing, fittings, joints, seams, columns, panels, interior coating, floor plates/bases and so forth. A video in a format chosen by the client such as DVD, VHS, SVCD, CD, will be provided as part of the report along with still photos, and a computer generated report of all findings.

Video and audio will be live while the diver is in the water this is for the divers' safety as well as the clients' convenience.

Video camera is mounted to the divers' helmet, to provide uninterrupted video for the topside personnel. The video camera has high resolution and fixed focus technology with lighting. Inspection will begin at the 12:00 o'clock position and will proceed with the inspection in a clockwise manner.

## **3.0 EQUIPMENT**

### **3.1 VACUUM-CLEANING HEAD**

For the last few years Potable Divers Inc. has put a lot of time and research into our underwater vacuum system, saving our clients more time, water, and money. Our system being made of glass gives us several unique capabilities, glass can be decontaminated more efficiently than a porous metal, glass also allows our clients and our divers to observe both inside and outside the vacuum system, thus assuring the floor is completely cleaned during the "scrubbing" process with the brush. The "scrubbing" process is the most critical part of the cleaning, as experience has proven the vacuum system must be able to provide adequate power for the scrubbing process. Suction driven and in some cases motor driven vacuum heads do not provide adequate power when introduced to heavier sediments such as mud, sand, or clay. Even small amounts of silt and small debris (such as rocks) can cause the brush to slow down not providing the vigorous scrubbing needed to remove the bacteria bio film that lives under the sediment. Potable Divers' proprietary vacuum has the capability to be controlled by the diver and/or top side personnel to increase the power of the vacuum-cleaning head. To make sure the brushing is adequate it is observed through the glass housing by our divers as well as our clients, and can be adjusted accordingly. The brush can be controlled to revolve from 50 revolutions per minute to 5000 revolutions per minute. The proprietary vacuum system was designed to create no turbidity, as all sediment is enclosed in the glass housing and removed with high power suction as it is vigorously brushed.

### 3.2 DIVERS EQUIPMENT

1. All equipment and clothing used is dedicated to potable water.
  - A. Equipment and clothing used is stored in a manner that prevents both chemical and bacteriological contamination.
  - B. Dive hoses "umbilical's" will be hydraulically twisted or of braided construction using no tape or other adhesives.
  - C. Only dry diving helmets will be used.
  - D. Only vulcanized rubber dry suits will be used, free from tears, scrapes, and un-repaired areas of other imperfections that may impair the integrity of the suit. Dry suits shall be variable volume with push button air inflation and shall have automatic over-inflation/exhaust valve.
  - E. Only surface supplied air equipment shall be used, with a secondary bottle back up with 8 hour minimum storage capacity. Accompanied by a diver carried back up bottle.
  
2. Disinfection of all Equipment
  - A. All equipment used will be disinfected using a minimum of 200ppm+ Chlorine immediately prior to entering system
  - B. Method of equipment disinfection will be spraying with and/or scrubbing disinfection solution.
  - C. The disinfection solution shall have a minimum of 200mg/L free available chlorine. The strength of the disinfectant solution shall be verified with a HACH model CN21P 10-200 mg/L Chlorine test kit.

### 3.3 VIDEO AND VOICE COMMUNICATION EQUIPMENT

1. Communications
  - A. Communications between divers and tender shall be by full time four way conference hardwired systems with two way push to talk hardwire system as a backup.  
Never will a push to talk be used as a primary communications system.
  
2. Video Recorded on DVD HDD
  - A. Uninterrupted video will ensure the quality of the water and cleaning procedure is satisfactory:
  - B. Helmet mounted video Cameras with adequate lighting have infinite focus as to show the entire view of the tank as to make sure all areas are cleaned.
  - C. Video is high resolution color video with real time imprint and time log so areas of concern are easily identified.
  - D. Video is narrated live by divers, on-site support personnel, or by client personnel at time video is recorded.
  - E. Still color photos will have time stamp on them as to refer to the location on the video.
  
3. Dive Hat
  - A. Only on demand breathing hats mated to the dry suit with positive pressure will be used. This is to reduce background noise caused from free flow hats and to ensure diver safety.

#### 4.0 REPAIR, UNDERWATER COATING PROCEDURES AND MATERIALS

Potable Divers Underwater coating procedures are performed in accordance with SSPC-SP-1 being wire brushed with a pneumatic die grinder down to white metal. Special consideration for underwater environments and the surrounding intact coating shall be feathered and abraded to provide an anchor profile for the epoxy. The epoxy is applied in accordance with the manufactures specifications being applied by brush and or roller techniques at 8-10 mils thick.

##### Epoxy Specifications

AquataPoxy™ A-6 and AquataPoxy A-6 Thick are solvent-free, 100% solids, corrosion resistant epoxy coatings that can be applied to dry or wet surfaces. Formulated for broad range corrosion protection as well as certified safe for potable water (NSF/ANSI Std. 61)

**NSF:** AquataPoxy A-6 and A-6 Thick are certified to the requirements of NSF/ANSI Standard 61-Drinking Water System Components.

**USDA:** AquataPoxy A-6 and A-6 Thick are acceptable as coatings for application to surfaces where there is a possibility of incidental food contact.

**AWWA:** AquataPoxy A-6 and A-6 Thick meet the physical and performance requirements of ANSI/AWWA C 210-92, "Liquid- Epoxy Coating Systems for the Interior and Exterior of Steel Water Pipelines".

##### Hydroactive Grout

A NSF approved hydroactive grout can be injected into concrete voids and cracks. The grout when mixed with water expands and fills cracks and voids giving strength back to the concrete and sealing the concrete. Divers can inject the grout underwater into these voids; the grout can also be injected from the outside of the tank into cracks on the roof and walls.



# City of Toledo Oregon FIELD REPORT

July 14, 2011

**Underwater Cleaning and Inspection  
Ammon Road Tank  
1,000,000 Gallon  
Potable Water Storage Tank**

Submitted To:


Submitted To:  
Linda Hues  
**City of Toledo**  
206 North Main Street  
Toledo, OR, 97391

Phone: (541) 336-2610

Submitted By:

**POTABLE DIVERS, INC.**  
PO Box 474  
Vernal, Utah 84078

Office Phone: (866) 789-3483  
Office Fax: (866) 913-4905  
E-mail: david@potabledivers.com



David Harvey, Dive Supervisor

# FIELD REPORT

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**DVD DOCUMENTATION**

**UNDER SEPARATE COVER**



# FIELD REPORT

## 1.0 INTRODUCTION

On July 14, 2011 the City of Toledo Oregon, commissioned Potable Divers Inc. (PDI) to conduct an underwater cleaning and inspection of their 1,000,000 gallon Potable Water Storage Tank, "Ammon Road" located in the City of Toledo.

Information contained in this report was obtained from dive crew observations, identification plate, and conversations with the City of Toledo Water personnel. References to locations within the tank will be made through out this report referring to positions on the clock. The upper man way and interior ladder being the 12:00 position as the diver looks toward the interior wall. In accordance with Federal OSHA regulations, a 3-man dive team was utilized to conduct the inspection and cleaning, which occurred on July 14, 2011.

## 2.0 OVERVIEW

This welded steel, ground level tank is constructed of steel floor plates, with steel wall plates and steel over lapping roof plates. The interior diameter is approximately 75 feet, with an approximate height of 30 feet.

Diver access was gained via exterior ladder, roof top man way access hatch and interior ladder which reached to the tank bottom.

The exterior appeared to be protected by a grey, plural component epoxy type coating on the shell, which exhibited a slightly chalky surface with good adhesion to the metal sub straight on the shell. The exterior roof was also in good condition with the exception of the outer edges having a few low spots and the water collecting has damaged the coating in these areas. Interior coating also appeared to be a plural component epoxy, white in color and in fair-poor condition. The interior coating has many noted discrepancies mostly on the floor consisting of blistering, pin holes, and holidays in the coating.

Sediment depth was approximately 1/4 of an inch deep. Dive team hydraulically removed the bottom sediment using an underwater vacuum system.

## 3.0 FINDINGS

### 3.1 FOUNDATION

Observable foundations appeared to be in good condition. No undermining or erosion of the foundation substrates was noted. Exterior floor to wall seams were good with little to no rust or corrosion noted. Concrete support ring had no spalling or cracking noted and was found to be in great condition.

### 3.2 EXTERIOR SHELL

Exterior shell was found to be in excellent condition with no discrepancies noted. The coating being recently new exhibited excellent adhesion. No problematic concerns or blemishes were found on the shell.



The exterior ladder and upper hand rails appeared to be mechanically sound and were found to be useful. Weld joints and penetrations were free of surface rust and corrosion. The man way entry had a good gasket in place that had no cracking or weathering noted, no leaking was present and the coating once again was in excellent condition.

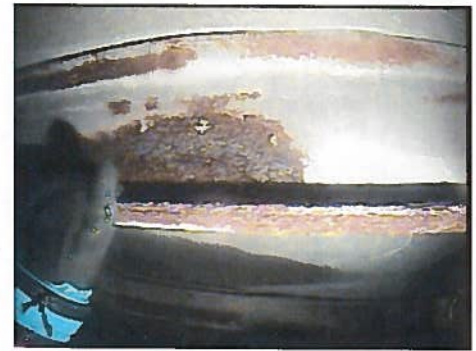
### 3.3 EXTERIOR ROOF

Exterior roof exhibited good coating adhesion overall. The only problematic areas of the exterior roof are the outer edges, as seen in the photo there are low spots that the water collects on. These areas where the water is standing has deteriorated the coating and surface corrosion is present. The roof top man way hatch was secured and exhibiting good coating adhesion, no weather stripping was present. The roof vent was in excellent shape with no concerns noted. The vent had a good secured screen in place.



### 3.4 INTERIOR ROOF

Observable roof plates, trusses, truss to wall gussets, center roof support plate and all associated welds and hardware are covered in corrosion. During the cleaning of the entire floor large rust particles were removed that are coming down from the roof. The edges of the trusses and the fillet welds of the roof plates are heavily corroded and are losing structural integrity. The coating is at the end of its service life and needs to be replaced. A few of the trusses have lost quite a bit of steel due to the corrosion. Before a new coating is put in place they need to be evaluated by a structural engineer as to determine how much loss they have had; a few of them may need to be replaced.



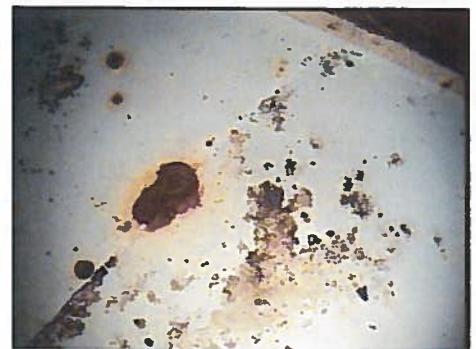
### 3.5 INTERIOR SHELL

The interior shell was found to be in good condition with little to no discrepancies noted. The interior coating had no blemishes found. The shell plates are darker in color due to the sediment "iron & manganese" that have discolored the shell. There was a small amount of sediment collecting to the shell.



### 3.6 INTERIOR FLOOR

After bottom cleaning was conducted, random floor plate seams and floor to wall seams were visually inspected and exhibited good-fair coating adhesion; however several discrepancies found. There were many holidays found sporadically over the entire floor, most of which were quite large in size and have rust nodules built up indicating pitting of the steel is occurring. Also found was large pieces of rusted metal that are coming down from the roof trusses. For the most part the rust coming down from the roof is landing on top of the coating and not damaging the coating or the floor plates. However there are several areas where the rust coming down from the roof were large pieces and have damaged the coating and corrosion has started damaging the floor plates as well. Also found were a few questionable



areas where it appears blistering may be just starting. At the time of the inspection no blisters had actually formed with water or air behind them and obviously non had opened up or cracked. It did appear though that small areas of blistering may be forming, due to the roughness and small blister like bumps that are starting to form. Bottom sediment was on average a 1/4 of an inch deep over the entire floor. Divers removed the bottom sediment with an underwater vacuum system.

### 3.7 INTERIOR SUPPORT COLUMN

Support column supporting the roof was visually inspected with corrosion present on the column stem. The base plate and guides were in good condition with no problems noted. At the time of the inspection it did not appear the corrosion has yet pitted or compromised the integrity of the column. As the roof support column lower support structure is designed to move, there is always a concern about rust and corrosion within this area. No corrosion was noted around the base of the column during this inspection.



### 3.8 INTERIOR APPURTENANCES

Overflow funnel and pipe appeared to be in good condition with some corrosion noted on the bottom of the pipe. The influent / effluent pipe had minor corrosion noted around the top edge and around the bottom floor weld. The man way entry was in fair condition with minor corrosion around the outer edges. The rubber seal did not show any signs of deterioration, weathering, or cracking. The interior ladder was in fair condition with some corrosion on the rungs where they are welded to the legs. The level indicator had one guide wire that was no longer attached to the anchor as it has corroded away. The other guide wire was in fair shape with corrosion noted. The float was in good condition and appeared to be functioning properly.



## 4.0 CONCLUSION

Based on the results of this underwater inspection and cleaning which took place, this tank needs to be taken out of service the interior roof needs to be evaluated by a structural engineer and the interior coating replaced in the near future.

## 5.0 RECOMMENDATIONS

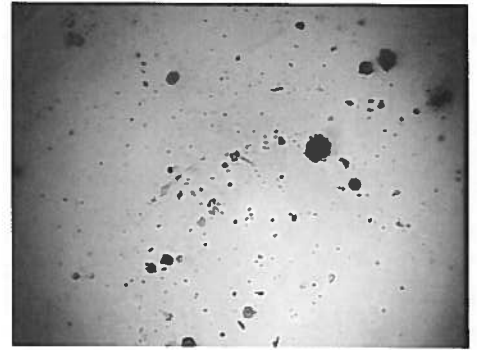
PDI concurs with the recommendations of AWWA that all potable water reservoirs or storage tanks be cleaned and inspected *at least* every five years and in some cases, depending upon source waters, type and quantities of sediment, and presence (or lack thereof) of cathodic protection systems, more frequently.

The following recommendations are made to provide continued, uninterrupted service of your water storage tank:

1. Your tank should be inspected and cleaned once every five years. Sediment removal will help ensure no bacteria are living under the sediment and provide ample time to perform remedial repairs to abnormalities discovered before having a chance to become problematic.



2. The exterior roof coating around the outer edges has corrosion present where the water collects and has damaged the coating. These areas will need to be touched up regularly as the tank only has one support column in the middle and the outer edges are sunk in a little.
3. The interior coating is near the end of its useful service life and will need to be replaced in the near future. Many areas have failed and rust nodules have begun indicating pitting of the steel plates has started. Also found were large pieces of metal coming from the interior roof, these pieces of metal have landed on the coating and in some cases have damaged the coating.



Toledo

# Potable Divers INC. Exterior Inspection Report

7/14/2011

Ammon Reservoir

## AMERICAN WATER WORKS ASSOCIATION ANSI/AWWA D 101-53 (R86)

### EXTERIOR ROOF

Safety Rail	Satisfactory	<u>+</u>	Coating	<u>Good</u>	Welds	<u>Good</u>	Rust/Corrosion	<u>NO</u>
Access Hatch	Satisfactory	<u>+</u>	Proper Design	<u>+</u>	Locked	<u>YES</u>	Gasket & Hinge Bolts	<u>NO</u>
External Coating	Satisfactory	<u>+</u>	Oxidized	<u>NO</u>	Pitting	<u>NO</u>	Rust/Corrosion	<u>NO</u>
Roof/Roof Panels	Satisfactory	<u>+</u>	Low Areas	<u>outer edges</u>	Holes	<u>NO</u>	Seams/Joints/Welds	<u>Good</u>
Vents	Satisfactory	<u>+</u>	Proper Design	<u>+</u>	Screens	<u>YES</u>	Sealed Edges & Seams	<u>YES</u>
Cathodic Protection Plates	Satisfactory	<u>NA</u>	Sealed	<u>      </u>	Secured	<u>      </u>	Rust/Corrosion	<u>      </u>

### EXTERIOR WALL

Wall to Roof Seam	Satisfactory	<u>+</u>	Pitting	<u>NO</u>	Holes	<u>NO</u>	Rust/Corrosion	<u>NO</u>
Wall Surface	Satisfactory	<u>+</u>	Cracking	<u>NO</u>	Spalling	<u>NO</u>	Exposed Aggregate	<u>NO</u>
External Coating	Satisfactory	<u>+</u>	Oxidized	<u>NO</u>	Pitting	<u>NO</u>	Rust/Corrosion	<u>NO</u>
No. 1 Ring (Bottom)	Satisfactory	<u>+</u>	Pitting	<u>NO</u>	Holes	<u>NO</u>	Rust/Corrosion	<u>NO</u>
No. 2 Ring	Satisfactory	<u>+</u>	Pitting	<u>NO</u>	Holes	<u>NO</u>	Rust/Corrosion	<u>NO</u>
No. 3 Ring	Satisfactory	<u>+</u>	Pitting	<u>NO</u>	Holes	<u>NO</u>	Rust Corrosion	<u>NO</u>
No. 4 Ring	Satisfactory	<u>+</u>	Pitting	<u>NO</u>	Holes	<u>NO</u>	Rust/Corrosion	<u>NO</u>
No. 5 Ring	Satisfactory	<u>+</u>	Pitting	<u>NO</u>	Holes	<u>NO</u>	Rust/Corrosion	<u>NO</u>
Ring(s) <u>5</u>	Satisfactory	<u>+</u>	Pitting	<u>NO</u>	Holes	<u>NO</u>	Rust/Corrosion	<u>NO</u>
Access Ladder	Satisfactory	<u>+</u>	Bolts & Rungs	<u>Good</u>	Rust	<u>NO</u>	Safety Cage/System	<u>YES</u>
Overflow Structure	Satisfactory	<u>internal</u>	Attachments	<u>      </u>	Screen	<u>      </u>	Operation	<u>      </u>

### FOOTINGS/FOUNDATION

Concrete Slab/Ring	Satisfactory	<u>+</u>	Cracking	<u>NO</u>	Spalling	<u>Minor</u>	Exposed Aggregate	<u>NO</u>
Overflow Structure	Satisfactory	<u>internal</u>	Loose	<u>      </u>	Rust	<u>      </u>		

Ammon Road  
Toledo RES

# Potable Divers INC.

## Interior Inspection Report

7/14/2011

ROOF									
General Appearance	Excellent	_____	Good	_____	Fair	_____	Poor	<input checked="" type="checkbox"/>	Critical
Interior Coating	Excellent	_____	Good	_____	Fair	_____	Poor	<input checked="" type="checkbox"/>	Critical
Trusses	Excellent	_____	Good	_____	Fair	<input checked="" type="checkbox"/>	Poor	_____	Critical
Roof Panels	Excellent	_____	Good	<input checked="" type="checkbox"/>	Fair	_____	Poor	_____	Critical
Welds/Bolted Joints	Excellent	_____	Good	<input checked="" type="checkbox"/>	Fair	_____	Poor	_____	Critical
Wall-to-Truss Gussets	Excellent	_____	Good	<input checked="" type="checkbox"/>	Fair	_____	Poor	_____	Critical
Cracking	Absent	<input checked="" type="checkbox"/>	Slight	_____	Extensive	_____	Severe	_____	Critical
Blistering	Absent	<input checked="" type="checkbox"/>	Slight	_____	Extensive	_____	Severe	_____	Critical
Holidays	Absent	<input checked="" type="checkbox"/>	Slight	_____	Extensive	_____	Severe	_____	Critical
Corrosion	Absent	_____	Slight	<input checked="" type="checkbox"/>	<del>Extensive</del>	_____	Severe	_____	Critical
Vents & Screens	Intact	<input checked="" type="checkbox"/>	_____	_____	Damaged	_____	_____	_____	_____
Hatch	_____	_____	_____	<input checked="" type="checkbox"/>	_____	_____	_____	_____	_____
Remarks/Discrepancies:									

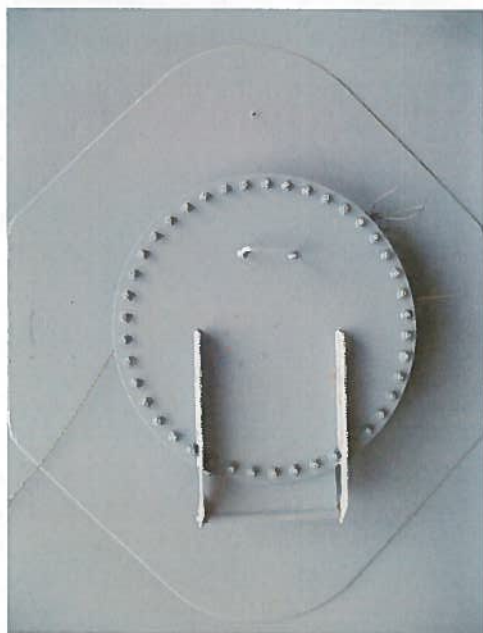
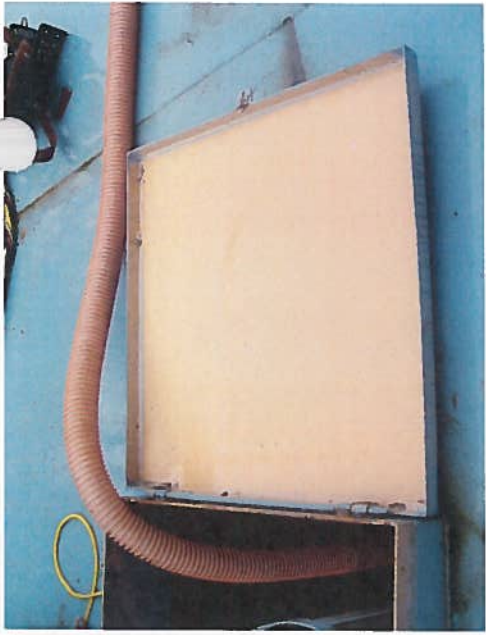
WALLS									
General Appearance	Excellent	_____	Good	<input checked="" type="checkbox"/>	Fair	_____	Poor	_____	Critical
Interior Coating	Excellent	_____	Good	<input checked="" type="checkbox"/>	Fair	_____	Poor	_____	Critical
Welds/Bolted Joints	Excellent	<input checked="" type="checkbox"/>	Good	_____	Fair	_____	Poor	_____	Critical
Walls/Wall Panels	Excellent	<input checked="" type="checkbox"/>	Good	_____	Fair	_____	Poor	_____	Critical
Floor-to-Wall Joint/Weld	Excellent	_____	Good	<input checked="" type="checkbox"/>	Fair	_____	Poor	_____	Critical
Cracking	Absent	_____	Slight	<input checked="" type="checkbox"/>	Extensive	_____	Severe	_____	Critical
Blistering	Absent	<input checked="" type="checkbox"/>	Slight	_____	Extensive	_____	Severe	_____	Critical
Holidays	Absent	<input checked="" type="checkbox"/>	Slight	_____	Extensive	_____	Severe	_____	Critical
Corrosion	Absent	_____	Slight	<input checked="" type="checkbox"/>	Extensive	_____	Severe	_____	Critical
Pitting	Absent	_____	Slight	<input checked="" type="checkbox"/>	Extensive	_____	Severe	_____	Critical
Roof/Support Walls	Absent	_____	Slight	_____	Extensive	_____	Severe	_____	Critical
Remarks/Discrepancies: none									

SUPPORT COLUMNS									
General Appearance	Excellent	_____	Good	<input checked="" type="checkbox"/>	Fair	_____	Poor	_____	Critical
Coating	Excellent	_____	Good	<input checked="" type="checkbox"/>	Fair	_____	Poor	_____	Critical
Cracking	Absent	<input checked="" type="checkbox"/>	Slight	_____	Extensive	_____	Severe	_____	Critical
Blistering	Absent	<input checked="" type="checkbox"/>	Slight	_____	Extensive	_____	Severe	_____	Critical
Holidays	Absent	<input checked="" type="checkbox"/>	Slight	_____	Extensive	_____	Severe	_____	Critical
Corrosion	Absent	_____	Slight	<input checked="" type="checkbox"/>	Extensive	_____	Severe	_____	Critical
Pitting	Absent	<input checked="" type="checkbox"/>	Slight	_____	Extensive	_____	Severe	_____	Critical
Floor Plates/Bases	Excellent	_____	Good	<input checked="" type="checkbox"/>	Fair	_____	Poor	_____	Critical
Construction	Concrete	_____	Steel	<input checked="" type="checkbox"/>	Wood	_____	_____	_____	_____
Remarks/Discrepancies:									

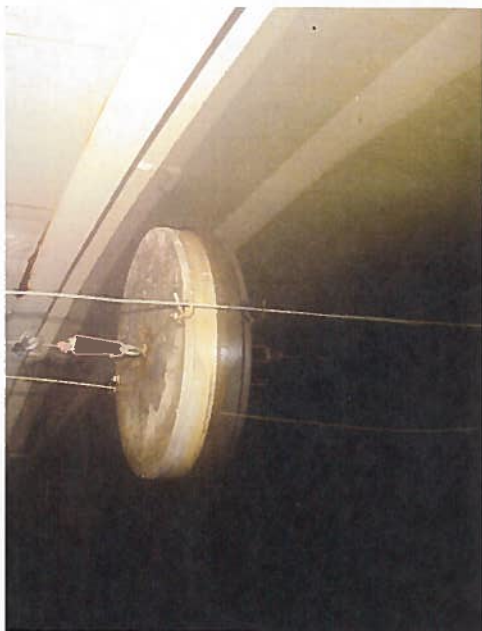
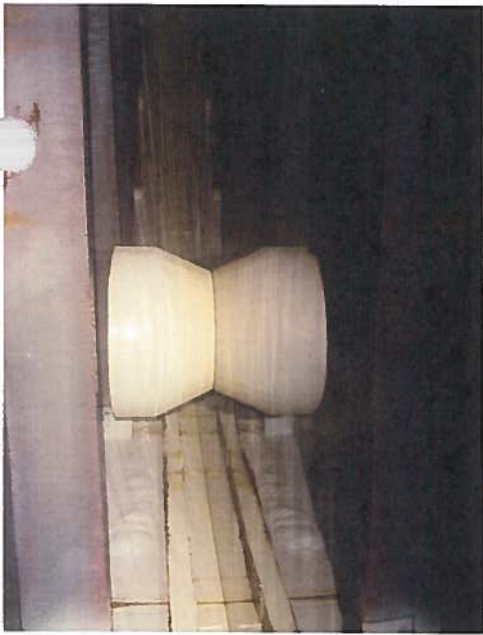
FLOOR									
General Appearance	Excellent	_____	Good	_____	Fair	<input checked="" type="checkbox"/>	Poor	_____	Critical
Interior Coating	Excellent	_____	Good	_____	Fair	<input checked="" type="checkbox"/>	Poor	_____	Critical
Welds/Bolted Joints	Excellent	_____	Good	<input checked="" type="checkbox"/>	Fair	_____	Poor	_____	Critical
Cracking	Absent	<input checked="" type="checkbox"/>	Slight	_____	Extensive	_____	Severe	_____	Critical
Blistering	Absent	_____	Slight	<input checked="" type="checkbox"/>	Extensive	_____	Severe	_____	Critical
Holidays	Absent	_____	Slight	<input checked="" type="checkbox"/>	<del>Extensive</del>	_____	Severe	_____	Critical
Corrosion	Absent	_____	Slight	<input checked="" type="checkbox"/>	<del>Extensive</del>	_____	Severe	_____	Critical
Pitting	Absent	<input checked="" type="checkbox"/>	<del>Slight</del>	_____	Extensive	_____	Severe	_____	Critical
Remarks/Discrepancies:									

Periodic Protection	<u>none</u>	Ladder	<u>corrosion on rungs</u>
Interior Plumbing	<u>slight corrosion</u>	Clean-Outs	<u>none</u>
Water Level Sensors	<u>good</u>	Overflow	<u>good</u>

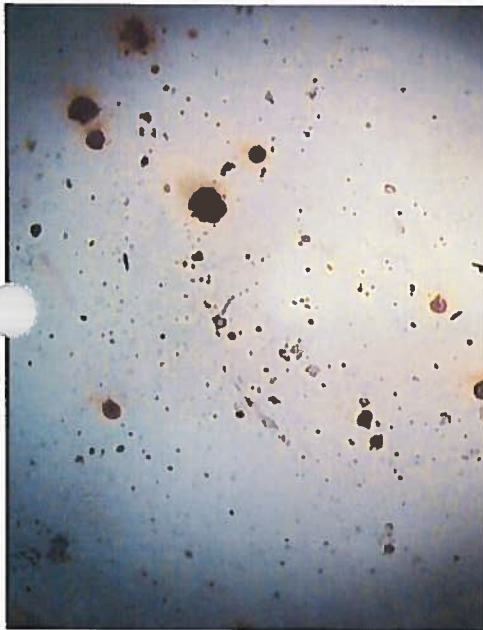
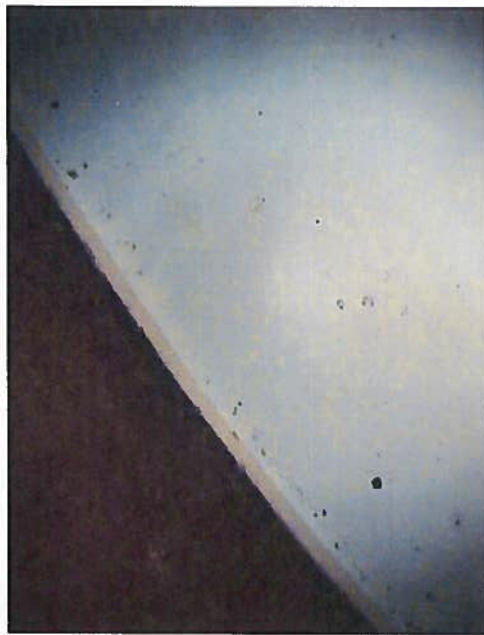




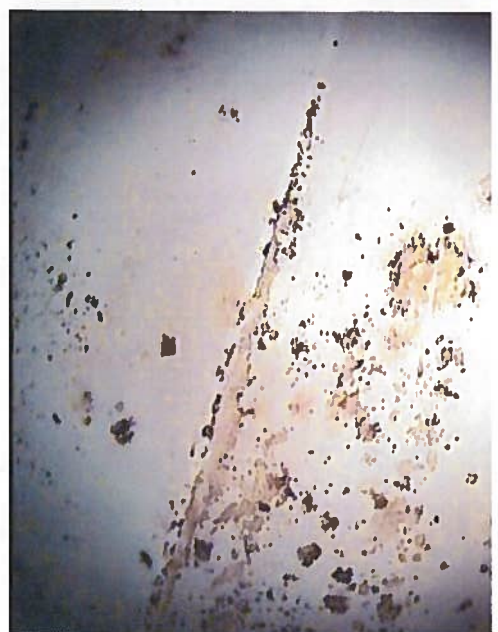
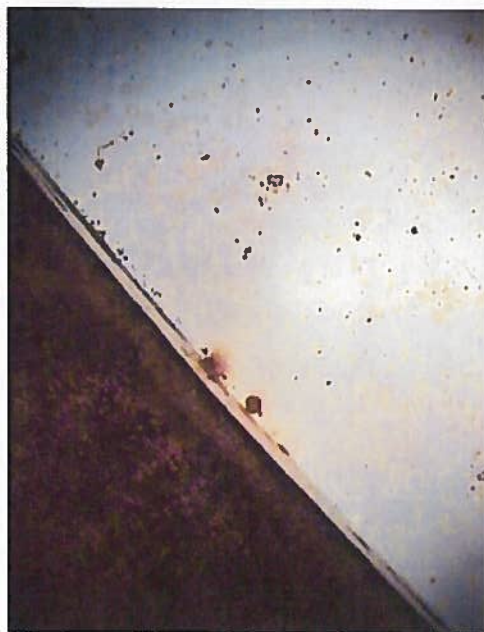
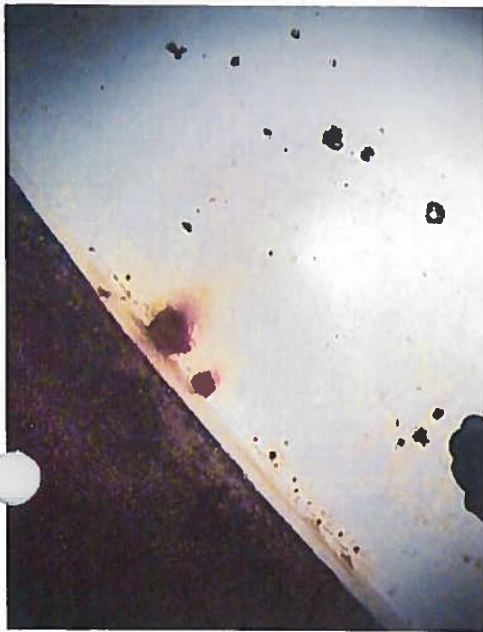
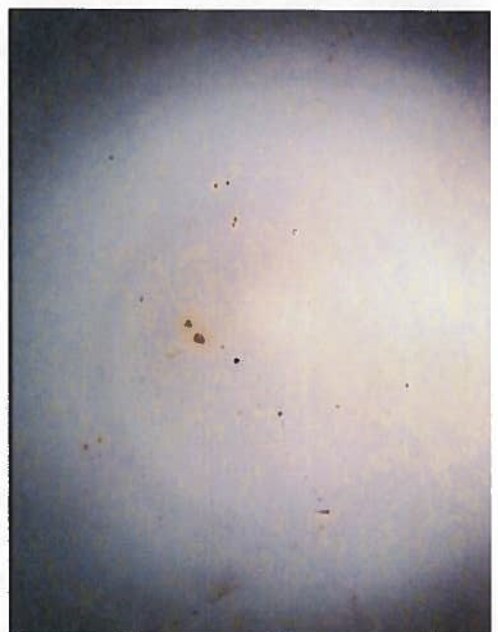
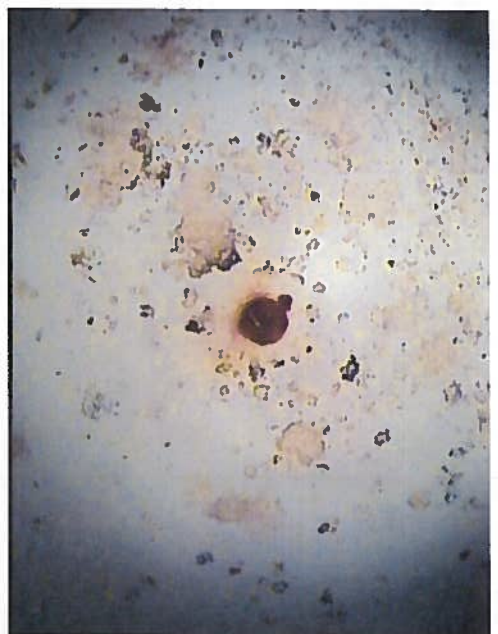
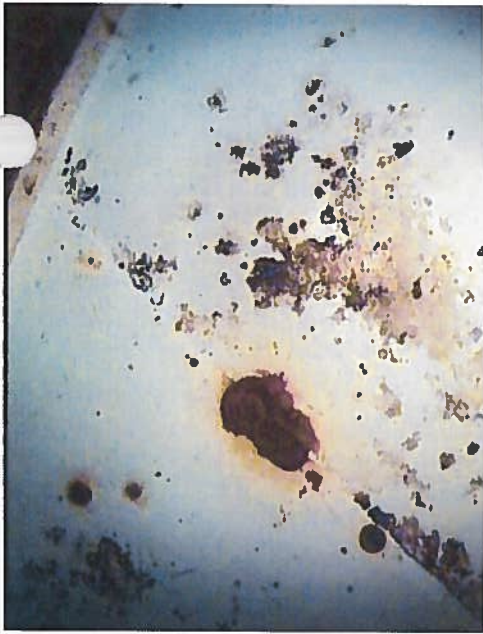






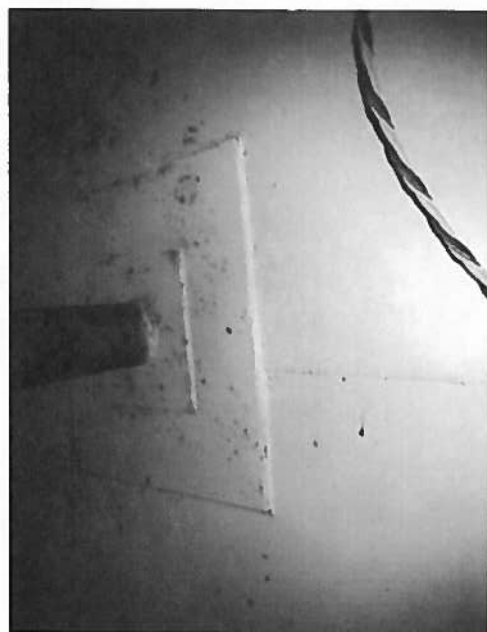














Exterior roof



Outer edges



In / out

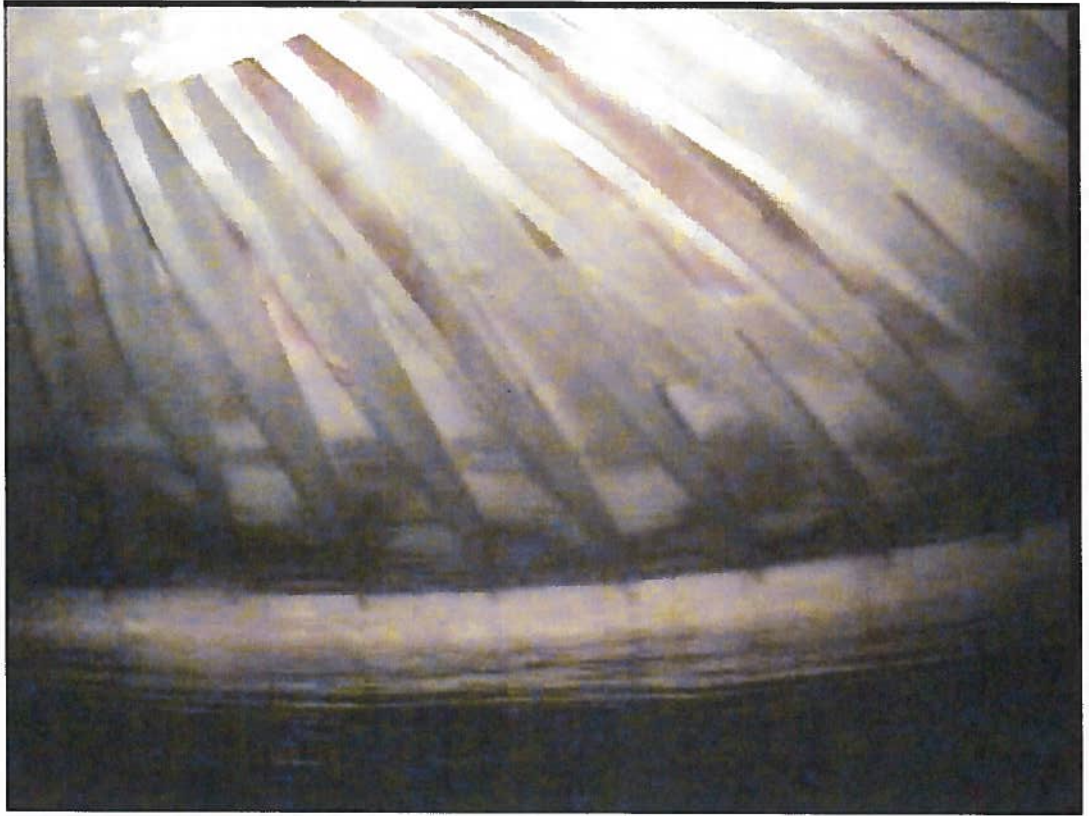


overflow





roof



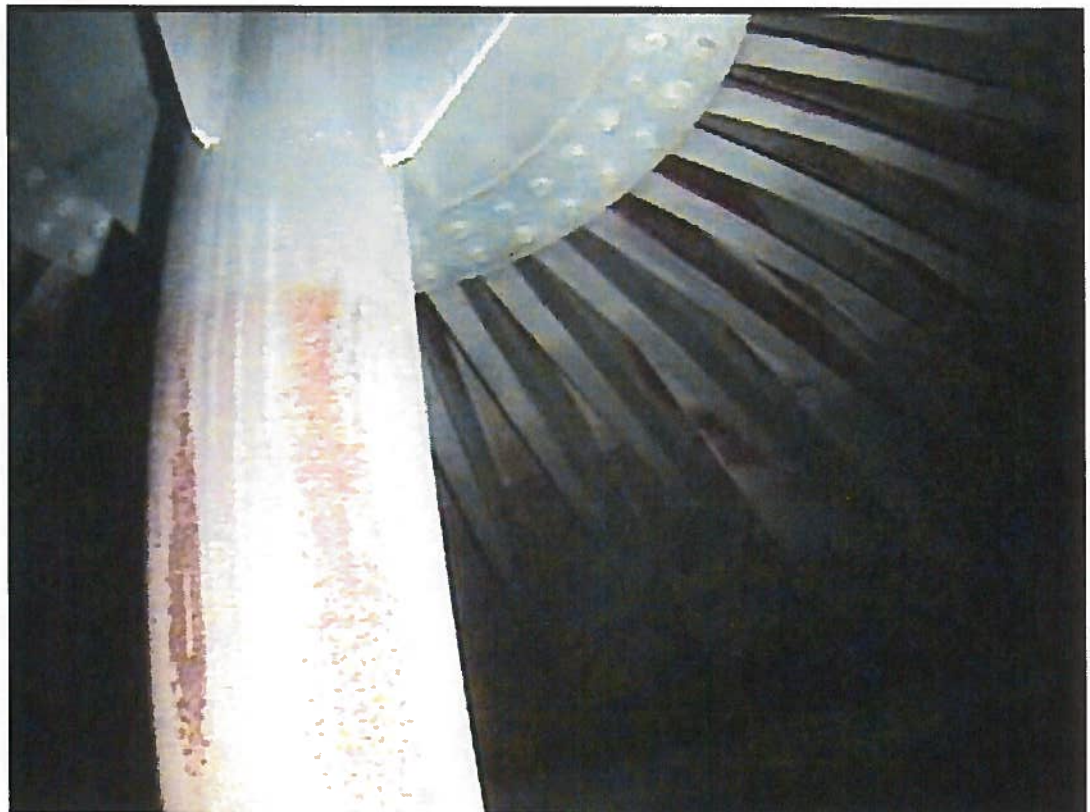
Corrosion  
truss



support

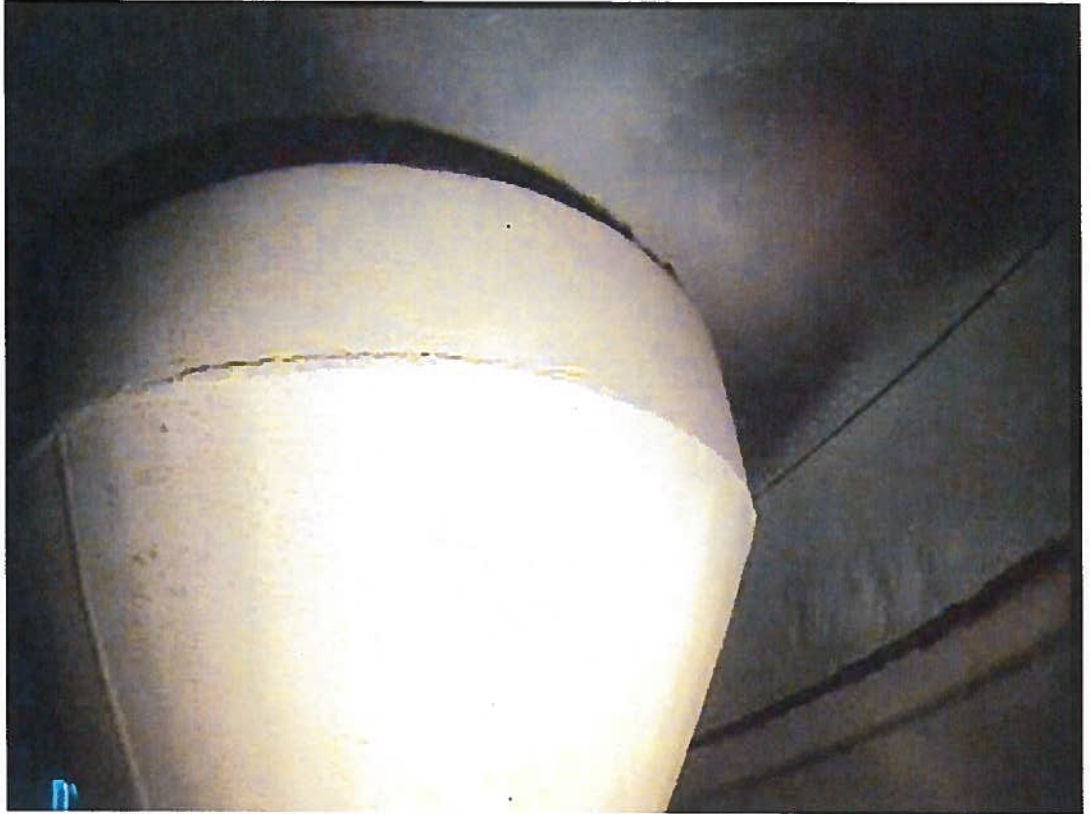


column





overflow



Man way  
entry



ladder

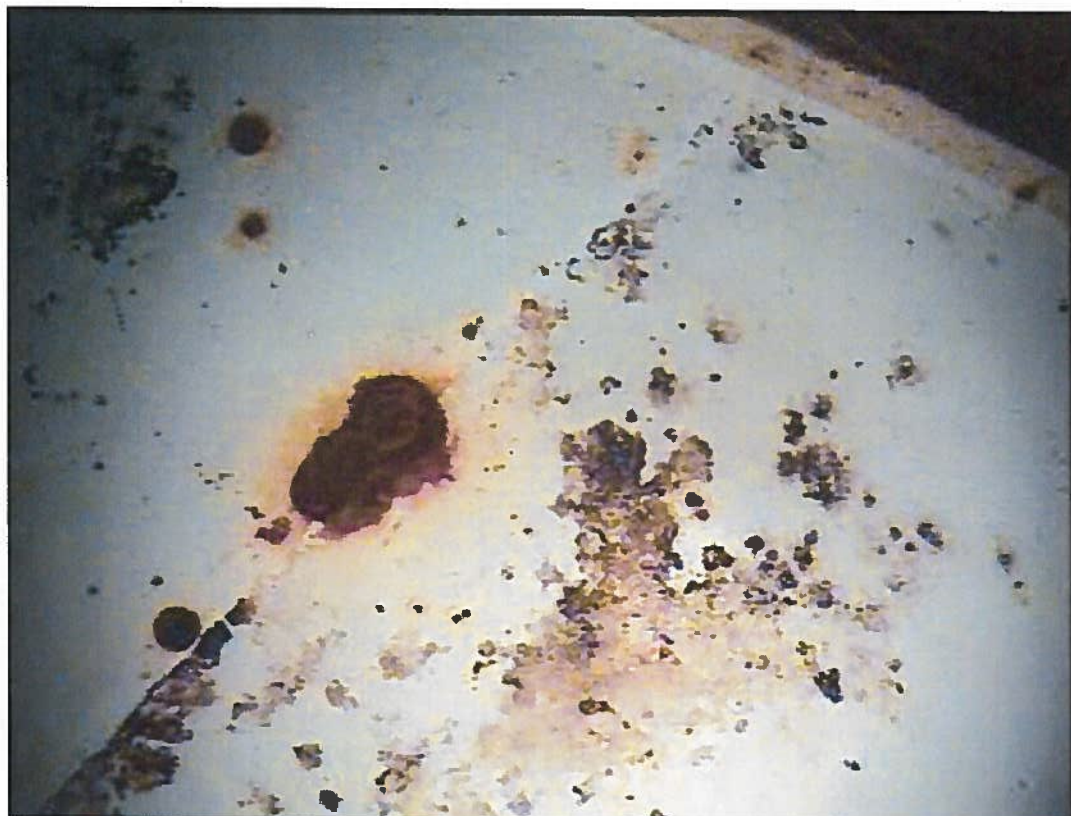


float





floor



chime

