H. R. LABOUNTY SAFETY AWARD PROGRAM

NOMINATION FORM

Agency: Ramona Municipal Water District

Employee Nominated:

Name: Bruce, Ed, Troy, Pete

Job Classification: Operations

Reason for Nomination:

RMWD Water Operations developed a Hydro/Surge tank inspection procedure and checklist. It assists the District in documenting its preventive maintenance of equipment and guards against property loss, worker injury and/or third party damage in the event of failure. This procedure also supports the ACWA/JPIA Commitment to Excellence program under Infrastructure - Equipment Maintenance and Failure Prevention.

Nominated by: Tommy Clowers

Signature:

Date: 1-27-17

General Manager:

Date: 1/30/17

Please email this form with supporting documents and digital photos to tlofing@acwajpia.com or mail to:

ACWA JPIA
P.O. Box 619082
Roseville, CA 95661-9082
FAX: (916) 774-7040

Ramona Municipal Water District

Hydropneumatic and Surge Tank Maintenance Program

Appendix A - Inspection Checklist

Your Name:		**Date of Inspection:**	
Facility Name:			

Yes	No	Inspection item
		Manufacturer's plate indicating tank was constructed to ASME standards is legible with the maximum operating pressure, shell thickness, NB #.
		Tank is secured to a foundation (to prevent accidental movement).
		Functioning pressure gauge and water level indicator is installed (to monitor the pressure and water level).
		All pressure gauges, sight levels, and hoses are in good working order, and free of damage, defects or painted over.
		Pressure relief valve (PRV) is installed. If there is an Isolation valve it is locked in the open position for normal operations.
		PRV installed does not exceed the maximum operating pressure of the tank.
		PRV has been tested and exercised as of the date of this report (must be done annually).
		Last PRV replacement date has been reviewed (must be replaced every five years).
		Tank is maintained and painted to prevent rust and corrosion.
		Inspected lower side and welding seams on tank for any damage or wear.

Recommended Actions (be specific)	Date Completed	Completed By (Name)
1)		
2)		
3)		
4)		
5)		

Ramona Municipal Water District
Hydropneumatic and Surge Tank Maintenance Program

PURPOSE

To establish best practices for maintaining safe working conditions for Hydropneumatic and Surge Tanks within the Ramona Municipal Water District's (RMWD) jurisdiction.

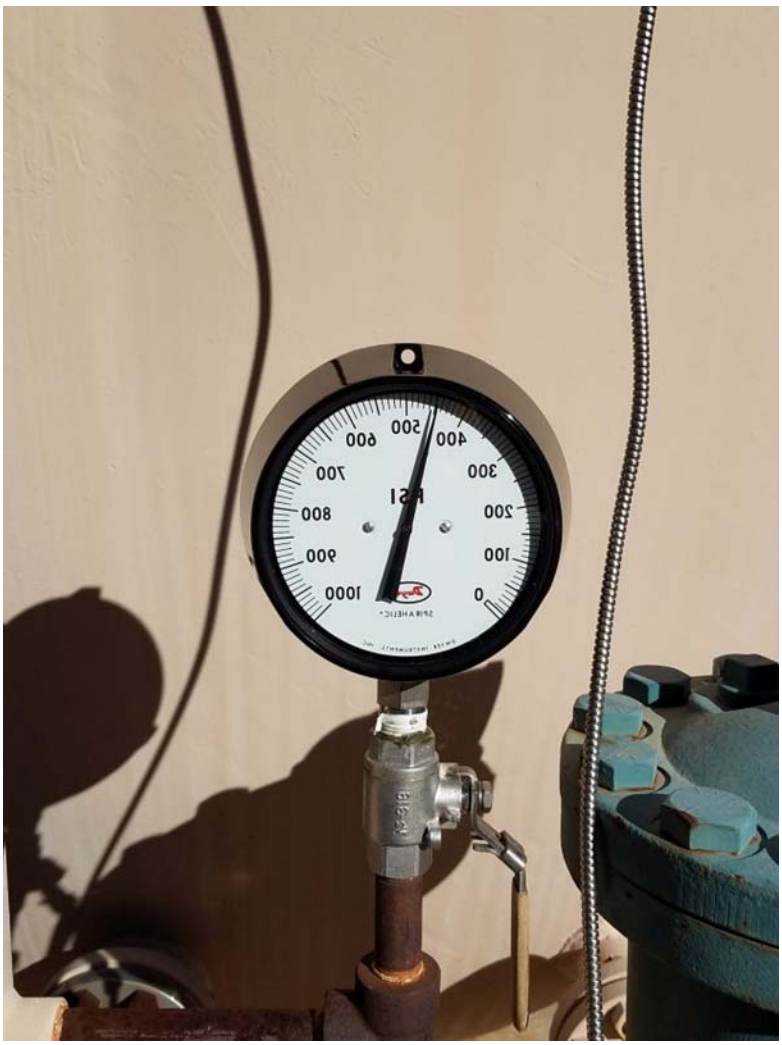
RESPONSIBILITIES

The Facility Supervisor shall be responsible for implementing this program and maintaining RMWD's Hydropneumatic and Surge Tanks (Tanks) including preventative maintenance, parts, repairs and coordinating inspections with the National Board of Boiler and Pressure Vessel Inspectors (NB).

MAINTENANCE REQUIREMENTS

1. Tanks must be secured to a foundation and remain in good working order showing no signs of damage, rust, corrosion, or defects. This includes pressure gauges, sight levels, pressure relief valves, hoses and the tank itself.
2. All tanks must have a pressure gage and water level indicator.
3. Each tank shall have a legible manufacturer's plate indicating that the tank was constructed to ASME standards. The plate must also include the maximum operating pressure, shell thickness, and NB# (the manufacturer's symbol stamp adjacent to the National Board number). If the data plate is not legible, a paper/electronic copy from the manufacturer must be obtained by contacting the National Board of Boiler and Pressure Inspectors and shall be readily available.
4. If PRV has an isolation relief valve, lockout/tagout procedures shall be used to keep the valve locked in the open position for normal tank operation.
5. Exercising and testing of pressure relief valves (PRV) must be conducted annually, documented and save for the life of the equipment plus two years.
6. Pressure relief valves shall be replaced at least every 5 years.
7. Tank inspections must be conducted by staff annually using the designated checklist (See Appendix A).
8. Copies of completed inspection checklists and maintenance records are to remain on file with the Facility Supervisor for the life of the tank plus two years.
9. If interior corrosion is found or minimum shell thickness is found, an agency engineer must determine the structural integrity of the tank. If repairs are required, welds must only be completed by certified welders (NB "R" stamp holder). All repairs shall also be inspected by a NB inspector.
10. The National Board of Boiler and Pressure Vessel Inspectors (NB) shall complete structural shell thickness inspections at least every 5 years. They can be contacted at (614) 888-2463.


NAT'L BD.
CERTIFIED BY PRESSURE VESSEL TECHNOLOGIES
MAX. ALLOW. WRK. PRES.
PSI @
F
MIN. DESIGN METAL TEMP.
F @
PSI
MFG. SERIAL NO.
26005
YEAR BUILT
2003
TAG NO.
SURGE TANK
Pressure Vessel Technologies
14015 Garfield Ave.
Paramount, CA 90723
(562) 531-6050 (800) 826-5748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