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Water Tanks Inspection, Testing, and Maintenance of Water Storage Tanks

Name of Property: _____ **Inspector:** _____
Address: _____ **Contract No.:** _____
Phone Number: _____ **Date:** _____

Inspection

Daily **(Cold weather/heating season only)**
 Yes No N/A Water temperature (when not supervised)

Yes No N/A Heating system (when not supervised)

Weekly **(Cold weather/heating season only)**

Yes No N/A Water temperature (supervised systems)

Yes No N/A Heating system (supervised systems)

Monthly **Control Valves**

Yes No N/A In the correct (open or closed) position

Yes No N/A Sealed, locked, or supervised

Yes No N/A Accessible

Yes No N/A Free from damage or leaks

Yes No N/A Proper signage

Yes No N/A Water level (unsupervised) full

Yes No N/A Air pressure (unsupervised) proper level

Quarterly

Yes No N/A Water level (supervised) full

Yes No N/A Air pressure (supervised) proper level

Yes No N/A Tank (exterior) free of damage or signs of weakening (including support structure, catwalks, and ladders)

Tank Surrounding Area

Yes No N/A Free of combustibles

Yes No N/A Free of material that could accelerate corrosion or rot

Yes No N/A Free of ice buildup

Yes No N/A Embankments (for coated fabric tank) free of erosion

Annual

Yes No N/A Hoops and grillage are in good condition

Form 21

- Yes No N/A Painted/coated surfaces are in good condition
- Yes No N/A Expansion joints not cracked or leaking

Five Year/Three Year

Interior Inspection

- Yes No N/A Silt has been removed for underwater evaluation
- Yes No N/A Interior surfaces free of pitting, corrosion, spalling, or other forms of deterioration
- Yes No N/A Interior is free of waste material, aquatic growth, and debris
- Yes No N/A Interior coating is intact
- Yes No N/A Tank floor is free of dents
- Yes No N/A Heating system and components are in good condition
- Yes No N/A Anti-vortex plate is in good condition and is not obstructed
- Yes No N/A Check valve-internal—moves freely in good condition

Test

Monthly

(Cold weather/heating season only)

- Yes No N/A Temperature alarm functions properly
- Yes No N/A High temperature limit switch functions properly

Semi-Annual

- Yes No N/A High/low water level alarm functions properly

Five-Year

- Yes No N/A Water level indicators accurate and move freely
- Yes No N/A Pressure gauges tested or replaced

Tests Required During Drained Interior Inspection

- Yes No N/A Cross hatch test performed
- Yes No N/A Dry film thickness measurements taken
- Yes No N/A Ultrasound readings near pitted/corroded areas including tank bottoms
- Yes No N/A Spot wet sponge test, particularly near ladder rungs, nuts, and bolts
- Yes No N/A Vacuum-box test on bottom seams (flat bottom tanks)

Maintenance

Semi-Annual

- Yes No N/A Silt removed from tank

Annual

- Yes No N/A ESCF tank maintenance performed in accordance with manufacturer’s instructions
- Yes No N/A Control valves operated through full range of motion and valve stems lubricated
- Yes No N/A Check valve internal components cleaned or repaired

Comments

Overall System Status

Satisfactory Unsatisfactory

Signature: _____ Date: _____

License/Certification No.: _____