

# **Daily Inspection during Cold Weather/Heating Season**

Year:System:				 						 	 
Location:				 							
Y=Satisfactory N=Unsatisfactory (expla	ain b	elow	)	N/	<b>A</b> =N	ot A <sub>l</sub>	pplic	cable	<u> </u>		
Date											
Inspector											
Tank condition is normal											
Water temperature is at or above 40°F (4.4°C)											
Heating system is operational											
Comments:										 	
,											

Ref No: WSS/DICH/17/SSCL/01



## Weekly, Monthly, and Quarterly Inspections

Year:System:									
Location:									
<b>Y</b> =Satisfactory <b>N</b> =Unsatisfactory (explain	below)		N/A	<b>\</b> =Not	Appl	icable	9		
Weekly									
Date									
Inspector									
Check water temperature where low temperature alarms are not connected to constantly attended location									
Check heating system for water tanks with supervised low temperature alarms connected to constantly attended location									
Control valves are properly arranged									
Monthly						ı			
Inspector									
Check pressure tank air pressure and record pressure in psi (bar)									
Water level is at normal height									
Check air pressure for tanks without their air pressure source supervised									
Check water temperature with low temperature alarms connected to constantly attended location									
Quarterly			1						
Date									
Inspector									
Check water temperature where low temperature alarms connected to constantly attended location									
Check heating system for water tanks with supervised low alarms connected to constantly attended location  Control valves are properly arranged	<i>t</i> emperatu	re							
omments:									

Ref No: WSS/WMQI/17/SSCL/01

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## **Annual Inspections**

Year:	System:	
Location:		
<b>Y</b> =Satisfactory	<b>N</b> =Unsatisfactory (explain below) <b>N/A</b> =Not Applicable	
Date		
Inspector		
The fire department Siar	imese connection is accessible	
The fire department Sian	mese connection is adequately supported	
Fire department Siamese	se connection caps are provided	
Fire department connect	ction hose threads are in good condition	
Automatic ball drip on fi	ire department connection is operational	
General condition of wat	ater storage tanks is satisfactory, with no loose scale or leaky seams or rivets	
Ladders on water storage	ge tanks are stable and free of rust	
The roofs on water stora	age tanks are stable and free of rust	
Sway bracing on elevated	ed water storage tanks is stable and free of rust	
The condition of the pair	int on the water storage tanks is satisfactory	
Elevated water storage t	tank columns and pits are free of dirt, rubbish, and trash	
In rubberized fabric tank	ks, the drain outlet has no leaks	
In rubberized fabric tank	ks, the fabric is not worn	
In rubberized fabric tank	ks, fabric outer protective paint has no oxidation or weather checking	
The paint on pressure ta	anks is satisfactory	
The interior of pressure	tanks has been inspected by a qualified pressure-vessel inspector	
The heating system is op	perating properly (check within 2 months of start of heating season)	
For wood tanks, hoops a	and grillage are satisfactory	
Expansion joints show no	no signs of stress, rust, or corrosion	
Comments:		

Ref No: WSS/AI/17/SSCL/01



## 3- and 5-Year Inspections

Year:	System:	
Location:		
<b>Y</b> =Satisfactory	<b>N</b> =Unsatisfactory (explain below)	<b>N/A</b> =Not Applicable
3- Year Inspection		
Date		
Inspector		
Pressure tank shows no	signs of rust, corrosion, or collection of debris	
Inspect interior of steel	tanks without corrosion protection	
5-Year Inspection		
Date		
Inspector		
	signs of rust, corrosion, or collection of debris	
Examine all valves to m	ake sure they remain operational	
Comments:		
		<del></del>

Ref No: WSS/3Y5YI/17/SSCL/01



## **Monthly Tests During Cold Weather/Heating Season**

Year:	System:								 		
Location:								 	 		
<b>Y</b> =Satisfactory	<b>N</b> =Unsatisfactory (explain below)	N/A	<b>A</b> =N	ot A	ppli	cab	le				
Date											
Inspector											_
Temperature alarms o	perate properly										_
High temperature limi	t switches operate properly										
Low temperature water	er alarms operate properly										
Comments:								 			_
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Ref No: WSS/MTDCWHS/17/SSCL/01



#### **Semi-Annual Tests**

Year:	System:		
Location:			
<b>Y</b> =Satisfactory	<b>N</b> =Unsatisfactory (explain below)	<b>N/A</b> =Not Applicable	
Date			
Inspector			
Water level alarms op	perate properly		
Drain sediment from	tank and examine for signs of tank deterioration		
_			
Comments			

Ref No: WSS/SAT/17/SSCL/01



### **Annual Maintenance**

<b>Date:</b> System:	
Location:	
Y=Satisfactory N=Unsatisfactory (explain below) N/A=Not Applicable	
Date	
Inspector	
Conduct flow test	
Test cathodic protection of storage tanks for proper operation	
Cycle storage tank drain valves	
Clean storage tank vent screens	
Operate control valves to ensure they can fully open and close	
Test automatic tank fill valves by lowering the water level in the tank. Measure and record the refill rate	
Clean and paint the exposed surfaces of embankment-supported coated fabric (ESCF) suction tanks every 2 year	
Comments	

Ref No: WSS/AM/17/SSCL/01

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## **Annual Flow Tests**

Date:	Inspector:	System:
Location:		
	<b>N</b> =Unsatisfactory (explain belo	
Conduct 2-in (51-mm)	main drain test for gravity tanks and pre	ssure tanks.
Static pressure:	psi (bar)	
Full flow pressure:	psi (bar)	
Ground level tanks an	d underground tanks: Annual test is acco	mplished during fire pump full flow tests.
Residual hydrant loca	lished during fire hydrant annual tests. Fo	
		(1)
	ual hydrant): psi	
	sidual hydrant): psi	
	ydrant): psi	(bar)
	ant): in. (mm)	
	w hydrant): 0.9; other gpm (L/min) at	
Available water flow:	gpm (L/mm) at	psi (bar)
Comments		

Ref No: WSS/AFT/17/SSCL/01



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# **WATER SUPPLY SYSTEMS**

## **Flow and Pressure Record**

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Ref No: WSS/FPR/17/SSCL/01

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Pressure-lb-per sq.in. (psi)