Item	Deficiency	Tag	aintenance Deficiencies (Revised 12-5-2014) Fag NFPA Action Refer			
FIRE PUMP	Deficiency	Tay	NEFA	Action	NFPA #25	
Pump house/room	Prior to freezing weather, heat not adequate, temp. less than 40 (less than 70 for diesel pumps without engine heaters)	Red		30 day notice	8.2.2 (1)	
	Found during potential for freezing weather, heat not adequate, temp. less than 40 (less than 70 for diesel pumps without engine					
Pump house/room	heaters)	Red	Critical	24 hour notice	8.2.2 (1)	
Pump house/room	Ventilating louvers not free to operate	Red	Critical	30 day notice	8.2.2 (1)	
Pump system	Suction reservoir not full, wet pit suction screens missing	Red	Critical	24 hour notice	8.2.2 (2)	
	Suction, discharge and bypass valves not fully open, pipe leaking,					
	suction, discharge and bypass valves not fully open, pipe leaking, suction line & system line pressure not within acceptable range, wet					
Pump system	pit suction screens obstructed, water flow test valves in open position	Red	Impairment	24 hour notice	8.2.2 (2)	
	Pump bearing lubrication not changed, shaft end play not within	<u>.</u>		00 decembries		
Pump system	specified tolerances, wet pit suction screens not cleaned Coupling not lubricated, right angle gear drive not lubricated	Red Red		30 day notice 30 day notice	Table 8.1.2	
Mechanical transmission	No electrical power - Controller pilot light not illuminated, transfer	Red		30 day notice	Table 8.1.2	
	switch pilot light not illuminated, isolating switch not closed, reverse					
	phase alarm pilot light on or normal phase light is off, oil level in				0.0.0	
Electrical system	vertical motor sight glass not within acceptable range, no power to jockey pump	Red	Impairment	24 hour notice	8.2.2 Table 8.1.2	
Electrical system	Circuit breakers and fuses over 2 years old,	Red	Critical	30 day notice	Table 8.5.3	
	Electrical connections loose, pressure switch settings not calibrated, mechanical parts not lubricated, motor bearings not greased,					
	corrosion on printed circuit boards, cracked cable/wire insulation,					
lectrical system	leaks in plumbing repairs, water on electrical parts	Red		30 day notice	Table 8.5.3	
•	Electrical power is provided - controller pilot light not illuminated,					
	transfer switch pilot light not illuminated, reverse phase alarm pilot			20 day notice		
Electrical system	light on or normal phase light is not illuminated	Red	Noncritical	30 day notice	8.2.2	
	Fuel tank less than two-thirds full, controller selector switch not in					
	auto position, battery voltage readings not within acceptable range,					
	battery charging current not within acceptable range, battery pilot lights off or battery failure pilot lights on, alarm pilot lights are on,					
	engine running time meter not reading, oil level in right angle gear					
	drive not within acceptable range, crankcase oil level not within					
	acceptable range, cooling water level not within acceptable range, electrolyte level in batteries not within acceptable range, battery			30 day notice (24 hour notice if pump system		
Diesel engine system	terminals corroded, water-jacket heater not operating	Red	Critical	would not be able to function)	8.2.2 (4)	
	Fuel tank not voided of water and foreign material, strainer, filter or			20.1	T	
Diesel engine system - fuel Diesel engine system -	dirt leg not cleaned Lube oil heater not operational, crankcase oil level not within	Red		30 day notice	Table 8.5.3	
ubrication system	acceptable range, crank case breather needs cleaned or replaced	Red		30 day notice	Table 8.5.3	
	Cooling water not within accordable young not adoquete applies					
	Cooling water not within acceptable range, not adequate cooling water to heat exchanger, flexible hoses and connections damaged,					
	cooling water jacket heater not operational, water strainer needs					
Diesel engine system - cooling	cleaned, antifreeze needs changed, heat exchanger not rodded out, ductwork and louvers need cleaned	D. d		30 day notice	Table 8.5.3	
system Diesel engine system - exhaust	ductwork and louvers need cleaned	Red		30 day notice	Table 6.5.3	
system	Leaking, condensate trap needs drained,	Red		30 day notice	Table 8.5.3	
	Electrolists by a least within a constable and a least section of the section of					
	Electrolyte level not within acceptable range, battery case corroded, battery case needs cleaned, charger and charge rate not equalized,					
Diesel engine system - battery	terminals need cleaned or tightened, cranking voltage exceeds 9					
system	volts on 12 volt system or 18 volts on 24 volt system	Red		30 day notice	Table 8.5.3	
	Wiring subject to movement subject to chafing, boxes, panels and					
Diesel engine system -	cabinets need cleaned, corrosion on printed circuit boards, cracked cable/wire insulation, leaks in plumbing repairs, water on electrical					
electrical system	parts	Red		30 day notice	Table 8.5.3	
Steam system	Steam pressure gauge reading not within acceptable range	Red	Critical	30 day notice	8.2.2 (5)	
					8.3.2.4	
Fire pump weekly test	Pump did not start automatically, diesel pump did not run 30 minutes System suction and discharge gauge reading, or pump starting	Red	Impairment	24 hour notice	8.3.1	
pump system	pressure not acceptable	Red	Impairment	24 hour notice	8.3.2.8 (1)	
	Pump packing gland discharge not acceptable, unusual noise or			30 day notice (24 hour notice if pump in danger of	. ,	
pump system	vibration, packing boxes, bearings or pump casing overheating	Red	Critical	failure)	8.3.2.8 (1)	
electrical system	Time for motor to accelerate to full speed, time controller is on first step or time pump runs after starting not acceptable	Red	Impairment	24 hour notice	8.3.2.8 (2)	
electrical system	Time for engine to crank and time for engine to reach running speed	IXCU	Impairment		0.3.2.0 (2)	
	not acceptable, low rpm, low oil pressure, high temperature, high					
diesel engine system	cooling water pressure Gauge reading and time for turbine to reach running speed not	Red	Critical	24 hour notice	8.3.2.8 (3)	
steam system	acceptable	Red	Impairment	24 hour notice	8.3.2.8 (4)	
2.22 0,0.0	Pump did not start automatically, electric pump did not run 10		p.a.mont		8.3.2.3	
Fire pump monthly test	minutes	Red	Impairment	24 hour notice	8.3.1	
Eiro nump annual toot	Churn condition not maintained for 30 minutes, circulation relief valve and/or pressure relief valve did not work properly	Dod	Critical	24 hour notice	0222	
Fire pump annual test	Pressure relief valve did not work properly Pressure relief valve did not work properly at each flow condition	Red Red	Critical Critical	24 hour notice	8.3.3.2 8.3.3.3	
	Flow test results are not within 5% of acceptance test or nameplate	Red	Critical	24 hour notice	8.3.5.4	
	Voltage readings at the motor are not within 5% below or 10% above	1				
	the rated (nameplate)	Red	Critical	30 day notice	8.3.5.6	
	Alarms did not properly operate	Red	Noncritical	30 day notice	8.3.3.5	

	Inspection Deficiencies, Testing Deficiencies and	Main	Guidelines for Tagging - 2011 NFPA 25 Maintenance Deficiencies (Revised 12-5-2014)				
Item	Deficiency	Tag	NFPA	Action	Reference		
	Overcurrent protective devices opened when simulating a power						
	failure condition at peak load, power not transferred to alternate						
Fire pump annual test (with	source, pump did not continue to perform at peak load, pump did not						
transfer switch	reconnect to normal power after removing power failure condition	Red	Impairment		8.3.3.4		
	Parallel or angular alignment was not correct	Red	Critical	24 hour notice	8.3.4.4		
Electronic fuel management	D 1 504 1/ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
control system	Backup ECM and/or primary and redundant sensors failed test	Red		30 day notice	8.3.3.8		
Pump house/room	Heating, lighting, ventilating systems did not pass test	Red	Critical	30 day notice	8.3.4.3		
WATER STORAGE TANK					NFPA #25		
Water level	Water level and/or condition not correct	Red	Critical	24 hour notice	9.2.1		
Air pressure	Air pressure in pressure tanks not correct	Red	Impairment	24 hour notice	9.2.2		
Heating system	Prior to freezing weather, heating system not operational, water						
	temperature below 40	Red		30 day notice	9.2.3		
	Found during potential for freezing weather, heating system not			Of house modes			
Heating system	operational, water temperature below 40	Red	Critical	24 hour notice	9.2.3		
	Tank exterior, supporting structure, vents, foundation, catwalks or			20 decreation	0054		
Exterior	ladders where provided damaged or appear weakening	Red	Noncritical	30 day notice	9.2.5.1		
	Area around tank has fire exposure hazard in form of combustible			20 day notice			
Exterior	storage, trash, debris, brush or material	Red	Noncritical	30 day notice	9.2.5.2		
Exterior	Accumulation of material on or near parts that could result in accelerated corrosion or rot	Red	Noncritical	30 day notice	9.2.5.2		
Exterior	Ice buildup on tank and support	Red	Critical	30 day notice	9.2.5.2		
Exterior		Red	Critical	30 day notice	9.2.5.2		
Exterior	Erosion exists on exterior sides or top of embankments supporting coated fabric tanks	Red	Noncritical	30 day notice	9.2.5.2		
Exterior	Expansion joints leaking or cracking		Critical	30 day notice	9.2.5.3		
Exterior	Hoops and grills of wooden tanks in poor condition	Red	Noncritical	30 day notice			
Exterior	Exterior painted, coated, or insulated surfaces of tanks or supporting	Red	Noncritical	30 day notice	9.2.5.4		
Exterior	structure degraded	Red	Noncritical	30 day notice	9.2.5.5		
Exterior	Exposed surfaces of ESCF tanks not cleaned or painted in the last	rteu	Noncritical	oc adj modec	3.2.3.3		
Exterior	two years or in accordance with mfg. instructions	Red		30 day notice	9.4.6		
Automatic tank fill valve	Exterior damaged, strainers, filters and orifices not cleaned	Red		30 day notice	Table 9.5.1.1		
Interior (pressure tanks or steel					145.5 6.6.1.		
tanks w/o corrosion protection	Pitting, corrosion, spalling, rot other forms of deterioration, waste						
every 3 years, all others every	materials exist, aquatic growth, local or general failure of interior						
5 years)	coating	Red	Noncritical	30 day notice	9.2.6.3		
	Voids beneath floor with sand in the middle of tanks on ring type						
	foundations	Red	Noncritical	30 day notice	9.2.6.5		
	Heating system components or piping in poor condition	Red	Noncritical	30 day notice	9.2.6.6		
	Blockage of anti-vortex plate	Red	Impairment	24 hour notice	9.2.6.7		
	Deterioration of anti-vortex plate	Red	Critical	30 day notice	9.2.6.7		
	Tank coating did not pass adhesion, coating thickness or wet sponge						
Interior testing	test	Red	Noncritical	30 day notice	9.2.7		
Interior testing	Tank walls and bottoms did not pass ultrasonic test	Red	Noncritical	30 day notice	9.2.7		
Interior testing	Tank bottom seams did not pass vacuum-box test	Red	Noncritical	30 day notice	9.2.7		
Tantina	Level indicator not tested after 5 years, lacked freedom of movement or not accurate	D	Managhta 1	20 day notice	0.04		
Testing		Red	Noncritical	30 day notice	9.3.1		
Testing	Low water temperature alarm did not pass test	Red	Noncritical	30 day notice	9.3.3		
Testing	High water temperature limit switch did not pass test	Red	Noncritical	30 day notice	9.3.4		
Testing	High and low water level alarms did not pass test	Red	Critical	30 day notice	9.3.5		
0	Not replaced or collibrated in E-voors, not accurate within 20% of a colli-	D. 1	Manager 191	20 day notice	0.00		
	Not replaced or calibrated in 5 years, not accurate within 3% of scale	Red	Noncritical	30 day notice	9.3.6		
Gauges Automatic tank fill valve	Valve did not operate properly during test	Red		30 day notice	9.5.3		