

Backflow Prevention Assembly Test and Maintenance Report

June 22, 2009

Property

361 Pearl St
361 Pearl St
Burlington, VT 05401

Owner/Agent

168 Summit St
Burlington, VT 05401

77 Ethan Allen Drive
S. Burlington, VT 05403
Phone: 802-951-5909
800-850-5172

Fax: 802-951-5911

Info@AlpineSprinkler.com



Water Company

Property Access

Owner/Agent Contact
Gene Richards

Alarm Company		Phone		Reference NA		Date/Time Off NA		Date/Time On NA	
Location of Assembly Sprinkler Rm				Service Type-Class-Use Sprinkler			Meter/Acct # NA		
Device Manufacturer Wilkins		Model 375A	Size 4"	Type RPZ	Serial No. X03081		Date of Install 5/07	New Install ? Yes	
Gauge Manufacturer Midwest		Model 8455	Type Differential	Purchase Date 5/07	Serial No. 05070788		Date Calibrated 5/09	Next Date Due 5/09	

	CHECK VALVE #1	CHECK VALVE #2	DIFFERENTIAL PRESSURE RELIEF VALVE	PRESSURE VACUUM BREAKER
INITIAL TEST	<input type="checkbox"/> Leaked <input checked="" type="checkbox"/> Closed tight Pressure drop across check valve <u>7.2</u> psi	<input type="checkbox"/> Leaked <input checked="" type="checkbox"/> Closed tight Pressure drop across check valve <u>3.4</u> psi	<input type="checkbox"/> Did not open Opened at: <u>2.4</u> psi	<input type="checkbox"/> Did not open Air inlet opened: _____ psi <input type="checkbox"/> Leaked Check held at: _____ psi
REPAIRS	<input type="checkbox"/> Cleaned <input checked="" type="checkbox"/> REPLACED <input type="checkbox"/> CV Assembly OR <input type="checkbox"/> Rubber Parts Kit <input type="checkbox"/> Disc <input type="checkbox"/> O-Ring <input type="checkbox"/> Seat <input type="checkbox"/> Spring <input type="checkbox"/> Stem/Guide <input type="checkbox"/> Retainer <input type="checkbox"/> Locknuts <input type="checkbox"/> Other	<input type="checkbox"/> Cleaned <input checked="" type="checkbox"/> REPLACED <input type="checkbox"/> CV Assembly OR <input type="checkbox"/> Rubber Parts Kit <input type="checkbox"/> Disc <input type="checkbox"/> O-Ring <input type="checkbox"/> Seat <input type="checkbox"/> Spring <input type="checkbox"/> Stem/Guide <input type="checkbox"/> Retainer <input type="checkbox"/> Locknuts <input type="checkbox"/> Other	<input type="checkbox"/> Cleaned <input checked="" type="checkbox"/> REPLACED <input type="checkbox"/> RV Assembly OR <input type="checkbox"/> Rubber Parts Kit <input type="checkbox"/> Disc <input type="checkbox"/> Diaphragm <input type="checkbox"/> Seat <input type="checkbox"/> Spring <input type="checkbox"/> Guide <input type="checkbox"/> O-Ring <input type="checkbox"/> Other	<input type="checkbox"/> Cleaned <input checked="" type="checkbox"/> REPLACED <input type="checkbox"/> Air Inlet Disc <input type="checkbox"/> Air Inlet Spring <input type="checkbox"/> Diaphragm <input type="checkbox"/> CV Disc <input type="checkbox"/> Spring <input type="checkbox"/> Guide <input type="checkbox"/> Retainer <input type="checkbox"/> O-Ring <input type="checkbox"/> Other
FINAL TEST	<input type="checkbox"/> Closed Tight Pressure drop across check valve _____ psi	<input type="checkbox"/> Closed Tight Pressure drop across check valve _____ psi	Opened at: _____ psi	<input type="checkbox"/> Satisfactory

RESULTS OF TEST: Pass Fail CONTROL VALVE #2: Tight Leaked LINE PRESSURE: 40 psi

Witness to Assembly Test (Print): NA Witness to Assembly Test Signature: _____ Date: _____ I ACKNOWLEDGE THE CONTROL VALVES HAVE BEEN LEFT IN THE OPEN POSITION

APPROVALS

I CERTIFY THAT THIS DATA IS ACCURATE AND REFLECTS THE PROPER OPERATION AND MAINTENANCE OF THE ASSEMBLY

INITIAL TEST	Certified Tester (Print)	Certified Tester Signature	Date	Certified Tester #	Exp. Date
	Alan Gentes	<i>Alan Gentes</i>	6/22/09	8831	1/2012
FINAL TEST	Certified Tester (Print)	Certified Tester Signature	Date	Certified Tester #	Exp. Date
	Alan Gentes	<i>Alan Gentes</i>	6/22/09	8831	1/2012

Report of Inspection/Test

Annual Anti-freeze loop

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Conducted by: Alan Gentes

Inspection Ref: F-24214

System Off	NA	Monitoring Company	Operator Burlington Fire	Alarm Panel/Code NA
System On	NA			864-5311

Owner Information

- Yes Is the building occupied ?
- Yes Has the occupancy classification and hazard of contents remained the same since the last inspection ?
- Yes Are all fire protection systems in service ?
- Yes Has the system remained in service without modification since the last inspection ?
- Yes Was the system free of actuations of devices or alarms since the last inspection ?

Water Based System

- Yes Gauges on wet pipe system in good condition and showing normal water supply pressure?
- Yes Alarm devices free from physical damage?
- Yes Hydraulic nameplate, if provided, securely attached to riser and legible?
- Yes Valve supervisory switches indicate movement?

Backflow Valve

- Yes Relief port on reduced pressure backflow prevention assemblies free of continuous discharge?
- Yes Backflow devices passed backflow test?
- Yes Backflow devices passed full flow test?

Fire Department Connection

- Yes Visible and accessible?
- Yes Couplings and swivels not damaged and rotate smoothly?
- Yes Plugs or caps in place and undamaged?
- Yes Gaskets in place and in good condition?
- Yes Identification sign(s) in place?
- Yes Check valve is not leaking?
- Yes Automatic drain valve in place and operating properly?
- Yes Interior free of obstructions (if caps are not in place) ?
- Yes Valve clapper operational over its full range (if caps are not in place) ?

Pipe

- Yes In good condition ?
- Yes Free of mechanical damage and not leaking ?
- Yes No external corrosion ?
- Yes Properly aligned ?
- Yes No external loads ?
- Yes Visible pipe hangers and seismic braces not damaged or loose ?
- NA Was an obstruction investigation conducted and the system flushed ?

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Sprinklers

- Yes Sprinkler wrench with spare sprinklers?
- Yes Proper number and type of spare sprinklers?
- Yes Free of corrosion?
- Yes Free of obstructions to spray patterns?
- Yes Free of foreign materials including paint?
- Yes Free of physical damage?
- Yes Are all sprinklers in service dated 1920 or later?
- Yes Fast Response sprinklers in service for less than 20 years? If "no" test sample now and every 10 years.
- NA Standard sprinklers less than 50 years old ? If no test sample now and every 10 years.
- NA If sprinklers have been replaced, were they proper replacements?
- NA Sprinklers and spray nozzles protecting commercial cooking equipment and ventilating systems replaced except for bulb-type which show no signs of grease buildup?

AntiFreeze System

- Yes Specific gravity of antifreeze correct?
-60 ok

Flow Test

System	Connection Flowed	Outlet Size	Pressure (psi)			Alarms Actuate	Waterflow devices pass test	Results comparable to prior test
			Static	Resid	Static			
wet	Main drain	1	70	35	40	Yes	Yes	Yes

Valve Inspection List

Description	# of Valves	Type	Size	Secured	Open	Easily Accessible	Signs	Exercised	Stem Lubricated
Backflow Control Valves	2	Butterfly	4"	Supervised	Yes	Yes	Yes	Yes	NA

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Deficiency Summary

These items were deficient and do not meet the requirements of the applicable code at the time of the inspection. Items marked *Recommendation* are not required by the applicable code but are opportunities to improve the Life Safety of the property.

AntiFreeze System

Yes Specific gravity of antifreeze correct?
-60 ok