Title 153 - NEBRASKA STATE FIRE MARSHAL

Chapter 19 - FIRE SPRINKLER SYSTEM INSPECTIONS

Scope. Chapter 19 of Title 153 of the Nebraska Administrative Code is concerned with the certification of contractors who work on water-based fire protection systems. All water-based fire protection systems contractors shall be certified in accordance with applicable Nebraska state statutes, the rules and regulations promulgated by the State Fire Marshal, and nationally-recognized standards of the National Fire Protection Association (NFPA") which are incorporated by reference in these regulations. Information concerning each particular NFPA standard and which edition is currently adopted by the Agency is located at the back of this document.

This chapter also is concerned with the requirements for the installation, testing, repair, tagging, and inspection of water based fire protection systems, and the duties of water-based fire protection system contractors and the State Fire Marshal.

001. Certification Required.

001.01. Definitions:

(1) <u>Responsible Managing Employee</u> means an individual person employed full-time by the water-based fire protection system contractor who (a) is currently certified by the National Institute for Certification in Engineering Technologies (NICET) at a Level III or Level IV in fire protection engineering technology, automatic sprinkler layout, or another nationally recognized certification in an automatic sprinkler system layout recognized by the State Fire Marshal, (b) has completed and passed an examination administered by the State Fire Marshal, and (c) is an owner, partner, or officer o in a management position of a contractor.

(2) <u>Water-Based Fire Protection System</u> means a system of overhead piping: (a) Designed in accordance with fire protection engineering standards, usually activated by heat from a fire and which, when activated, discharges water over the fire area; (b) supplied by an acceptable water supply; (c) which is specially sized or hydraulically designed and installed in a building, structure, or fire area to which fire sprinklers are connected; and (d) which includes a controlling valve and usually a device for actuating an alarm when the system is in operation. Only the portion of the water-based fire protection system which is separate from the domestic water system is considered the water-based fire protection system. Water-based fire protection systems include wet-pipe systems, dry pipe systems, foam-water systems, preaction systems, deluge systems, combined dry pipe and pre-action systems, stand-pipe systems, combined stand-pipe and sprinkler systems, water-spray fixed systems, fire pumps, fire-protection water storage tanks, antifreeze systems, and circulating closedloop systems.

(3) <u>Water-Based Fire Protection System Contractor</u> means a person engaged in the business of installation, repair, alteration, addition, maintenance, or inspection of water-based fire protection systems. However, it does not include (a) individuals employed by and working under the direction of a contractor or local building officials, fire inspectors, or insurance inspectors when acting in their official capacity. Under Neb. Rev. Stat. § 49-801(16), a person shall include bodies politic and corporate, societies, communities, the public generally, individuals, partnerships, limited liability companies, joint-stock companies, and associations.

<u>001.02</u>. Any water-based fire protection system contractor who wishes to install, repair, alter, add to, maintain, or inspect a water-based fire protection system in the State of Nebraska shall first obtain a Water-Based Fire Protection Contractor's Certificate from the State Fire Marshal. Applications for the Water-Based Fire Protection Contractor's Certification are available from the State Fire Marshal. The address of the State Fire Marshal's Office is 246 South 14th Street, Lincoln, Nebraska, 68508. The telephone number is (402) 471-2027. Each applicant must designate a Responsible Managing Employee on the application.

A copy of the Application for Contractor's Certification is attached hereto as ATTACHMENT "A" and is incorporated by reference.

<u>001.03</u>. Upon receipt of a completed application, the applicant must provide the proof of insurance, demonstrating at least one million dollars (\$1,000,000.00) of coverage for the installation, inspection, and testing of water-based fire protection systems, and the required certificate fee, the State Fire Marshal will schedule a time for an examination of the responsible managing employee to demonstrate that he or she has a working knowledge of water-based fire protection systems and the rules and regulations of the State Fire Marshal. Upon successful completion of the examination, the State Fire Marshal shall issue a certificate to the contractor within thirty (30) days.

<u>001.04</u>. All water-based fire protection contractors' certificates shall expire on September 30 of the year following issuance. At least thirty (30) days prior to expiration of the certificate, a water-based fire protection

contractor may file an application to renew his or her certificate with the State Fire Marshal. Along with the renewal application, a renewal fee, not to exceed one hundred dollars (\$100.00) and a sworn affidavit must be submitted, stating that the responsible managing employee is currently employed by the contractor. The renewal application will use the same application form as the initial application for the contractor's certification, which is designated as ATTACHMENT"A".

<u>001.05</u>. The State Fire Marshal may refuse to renew or may revoke or suspend a water-based fire protection contractor's certificate for any of the following reasons:

(a) Gross incompetence or gross negligence in the installation, alteration, or inspection of a water-based fire protection system.

(b) The use of false evidence, false documentation or misrepresentation in the application process for a certificate.

002. Working Plans:

<u>002.01</u>. Working plans and hydraulic calculations are to be prepared in accordance with currently adopted National fire Protection Association (NFPA) standards and these plans and calculations shall be submitted to the State Fire Marshal or his delegated authority for the following:

(a) all new water-based fire protection systems.

(b) all changes to special systems such as Large Drop or Early Suppression/Fast Response (ESFR).

(c) all modifications to a water-based fire protection system that involve adding or relocating more than ten (10) sprinkler heads.

(d) all changes to systems where the required system demand (flow or pressure) is affected by ten percent (10%) or more.

Information about or examination of the NFPA guidelines is available by contacting either the Fire Marshal's main office in Lincoln at (402) 471-2027, or the District "B" Office in Albion at (402) 395-2164 or the District "C" Office in North Platte at (308) 535-8181 or at the local delegated authorities at the following cities, Beatrice - (402) 228-3306, Bellevue - (402) 293-3153, Grand Island - (308) 385-5444 ext. 220, Lincoln - (402) 441-7791, Norfolk - (402) 644-8739, North Platte - (308) 534-7728, Omaha - (402) 444-5710, Scottsbluff - (308) 630-6205.

<u>002.02</u>. Proposed installation details and hydraulic calculations shall be submitted to the State Fire Marshal or his or her delegated authority for approval prior to the installation of backflow prevention devices on existing water-based fire protection systems and when existing backflow prevention devices are to be replaced by a device not identical to the backflow devices previously installed.

003. Systems Acceptance Testing and Inspections:

<u>003.01</u>. All water-based fire protection systems shall be hydrostatically tested, in accordance with the currently adopted NFPA standards upon completion of the system or whenever more than ten (10) sprinkler heads are added or modified.

<u>003.02</u>. All other initial system testing required by currently adopted NFPA standards (dry valve trip tests, etc.) shall be performed upon completion of the system.

<u>003.03</u>. A Deputy State Fire Marshal or the delegated authority shall be notified within 48 hours in advance of a system acceptance testing.

<u>003.04</u>. Final system acceptance testing and inspection of any waterbased fire protection system installed in a hospital, nursing home, or a residential care facility shall be witnessed by a Deputy State Fire Marshal or the delegated authority.

003.05. Upon completion of all required acceptance testing for new and altered systems, the Water-Based Fire Protection Contractor shall complete a Contractor's Material and Test Certificate Form covering the work performed. Depending on whether the fire protection system utilizes aboveground or underground piping, the Contractor's Material and Test Certificate Form is attached hereto as ATTACHMENT "B-1" for aboveground piping and ATTACHMENT "B-2" for an underground piping system and is incorporated by this reference. The certificate shall be signed by the Water-Based Fire Protection System Contractor's Representative and the building owner or a representative of the building owner. A copy of the Nebraska State Fire Marshal Fire Sprinkler Inspection Form, which is attached hereto as ATTACHMENT "C" and is incorporated by this reference and shall also be completed and signed by the Water-Based Fire Protection System Contractor's Representative, the building owner or his or her representative and the witnessing authority. A copy of the Contractor's Material and Test Certificate and the Nebraska State Fire Marshal Fire Sprinkler Inspection Form shall be maintained at the system riser with a duplicate forwarded to the State Fire Marshal's Office.

<u>003.06</u>. Whenever any repairs, modifications or additions are made to a water-based fire protection system, the Water-Based Fire Protection System Contractor's Representative shall complete a Nebraska State Fire Marshal Fire Sprinkler Inspection Form. A copy of the form is to be maintained at the system riser with a duplicate forwarded to the State Fire Marshal's Office.

<u>003.07</u>. In order for the State Fire Marshal's Office to create a record of each system for tracking purposes, every water-based fire protection system shall have a separate and distinct serial identification number. Each system shall be tagged with a seal issued by the State Fire Marshal's Office. The seal shall be placed in a highly visible location. Each of the following devices must bear a separate identification tag and corresponding serial number.

(1) Each main control valve from each sprinkler riser. The identification tag shall be placed either on or around the main control valve or on or around the main drain.

(2) Each fire pump or booster pump, excluding jockey pumps, shall have a separate tag and serial number.

(3) Each main system double-check backflow preventer assembly. The tag should be placed on or around one of the control valves for the device.

(4) Auxiliary systems, such as pre-action systems, dry-systems, anti-freeze loops, etc. **do not** require a separate tag and serial number. However, in each annual inspection report, the condition of these auxiliary systems must be reported and noted on the corresponding main control valve inspection report.

004. Periodic Inspections:

004.01. In order to assure compliance with, and aid in the implementation of state and local building laws and regulations, all water-based fire protection systems shall be inspected annually by a Water-Based Fire Protection System Contractor's Representative. Small domestic systems with two (2) sprinklers or fewer are not required to be inspected annually.

004.02. The currently adopted edition of NFPA - No. 25, "<u>Standards for</u> <u>the Inspection, Testing, and Maintenance of Water-Based Fire Protection</u> <u>Systems</u>" shall provide the basis for the inspection procedures to be performed.

<u>004.03</u>. Upon completion of the annual inspection, the Water-Based Fire

Protection System Contractor's Representative shall complete a Nebraska State Fire Marshal Fire Sprinkler Inspection Form, see ATTACHMENT "C". The form is to be signed by a qualified inspector and the building owner or a representative of the building owner. Each inspection report shall bear the serial numbers of the identification tag. A copy of the form is to be maintained at the system riser with a duplicate forwarded to the State Fire Marshal's Office.

Please refer to the following National Fire Protection Association (NFPA) Codes. Information about or the examination of these documents are available from the State Fire Marshal's Office in Lincoln, Albion, or North Platte and the delegated authority in Beatrice, Bellevue, Grand Island, Lincoln, Norfolk, North Platte, Omaha, and Scottsbluff.

- 1. Installation of Sprinkler Systems NFPA 13 (1994 Edition)
- Sprinkler Systems in One & Two Family Dwellings and Manufactured Homes - NFPA 13D (1994 Edition)
- Sprinkler Systems in Residential Occupancies Up to & Including Four Stories in Height - NFPA 13R (1994 Edition)
- Installation of Standpipe & Hose System NFPA 14 (1996 Edition)
- 5. Water Spray Fixed Systems NFPA 15 (1990 Edition)
- Deluge Foam-Water Sprinkler Systems & Foam-Water Spray Systems - NFPA 16 (1995 Edition)
- Installation of Closed-Head Foam Water Sprinkler Systems -NFPA 16A (1994 Edition)
- 8. Installation of Centrifugal Fire Pumps NFPA 20 (1993 Edition)
- 9. Water Tanks for Private Fire Protection NFPA 22 (1996 Edition)
- 10. Installation of Private Fire Service Mains NFPA 24 (1995 Edition)
- 11. Water-Based Fire Protection Systems NFPA 25 (1995 Edition)
- 12. General Storage NFPA 231 (1995 Edition)
- 13. Rack Storage of Materials NFPA 231C (1995 Edition)

Legal Citation: Title 153, Chapter 19, Nebraska State Fire Marshal

Statutory Authority: Neb. Rev. Stat. §81-5,158, 5,164 (1997 Supp.)



APPLICATION FOR WATER-BASED FIRE PROTECTION CONTRACTOR'S CERTIFICATE

Name of Co	mpany:			
Address:			City:	
State:	Zip:	Email:	Phone: ()
		RESPONSIBLE MANAG	SING EMPLOYEE	
Name:				
Address:			City:	
State:	Zip:	Email:	Phone: ()
Name of Eng	gineering Ce	rtification Agency:		
Level of Cer	tification:			
Engineering	Certification	#:	Expires:	
I certify that	I am a full-tin	ne employee of:		
Signed:			Date:	
Liability Insu	Irance Compa	any:		
		a \$100.00 (one-hundred dollars) fe ification. This certificate expires of		insurance coverage
New Certific	ate:	Test Date:	Test Locatio	n:
Renewal of	Certificate:		Certificate #:	
MAIN OFFIC 246 SOUTH LINCOLN, NE (402) 471-202	14 [™] STREET E 68508-1804			ATTACHMENT A

PROCEDURE

Upon completion of work, inspection and tests shall be made by the contractor's representative and witnessed by an owner's representative. All defects shall be corrected and system left in service before contractor's personnel finally leave the job.

A certificate shall be filled out and signed by both representatives. Copies shall be prepared for approving authorities, owners and contractor. It is understood the owner's representative's signature in no way prejudices any claim against contractor for faulty material, poor workmanship, or failure to comply with approving authority's requirements or local ordinances.

PROPERTY NAME DATE														
PROPERTY ADDRESS														
ACCEPTED BY APPROVING AUTHORITIES (NAMES)														
	ADDRES	ADDRESS												
PLANS	INSTALI	ATION CC	NFORMS	TO ACCEPTED	PLANS							□ YES	D NO	
		IENT USED XPLAIN DE						-				L YES	D NO	
	ļ											ļ	_	
	HAS PERSON IN CHARGE OF FIRE EQUIPMENT BEEN INSTRUCTED AS TO LOCATION OF CONTROL VALVES AND CARE AND MAINTENANCE OF THIS NEW EQUIPMENT? IF NO, EXPLAIN									□ NO				
	HAVE C	OPIES OF	THE FOLI	OWING BEEN	LEFT ON THE P	REMIS	ES:							
INSTRUCTIONS		1. SYSTE	M COMP	ONENTS INSTR	UCTIONS							□ YES	□ NO	
		2. CARE	AND MAIN	NTENANCE INS	TRUCTIONS							D YES	□ NO	
		3. NFPA	25									L YES	□ NO	
LOCATION OF SYSTEM	SUPPLII	ES BUILDI	NGS										!	
	MAKE			MODEL			ORIFIC SIZE		UAN	TITY_			MPERATURE RATING	
SPRINKLERS														
	.	Din e												
PIPE AND FITTINGS	Type of Type of	Pipe Fittings												
			ALA	RM DEVICE			MAXIN			OPER			ROUGH TEST	
ALARM VALVE OR FLOW	ТҮРЕ			MAKE	MODEL MININ		MINIMU	NIMUM			SECONDS			
INDICATOR														
	ļ													
			DRY VAL	VE						Q.O.D				
	MAKE			MODEL	SERIAL NO.		MAKE MOD		MODE	EL SER		IAL NO.		
	ļ				ļ	,l								
DRY PIPE OPERATING			WATER PRESSURE	AIR A		P POINT TIME WATER AIR REACHED TEST ESSURE OUTLET*		AL	ALARM OPERATED PROPERLY					
TEST		MIN.	SEC.	PSI	PSI		PSI	MIN.	s	EC.	, ,	YES	NO	
	Without Q.O.D.												1	
	With Q.O.D													
	IF NO, EXPLAIN													
L *MEASURED FROM T		FCTOR'S			PENED									

	OPERATION	N	D PNEUMA		IC		RAULIC					
	PIPING SUPERVISED I YES INO DETECTING MEDIA SUPERVISED I YES INO											
	DOES VALVE OPERATE FROM THE MANUAL TRIP AND/OR REMOTE CONTROL STATIONS											
DELUGE & PREACTION	IS THERE A TESTING?		BLE FACILITY IN	EACH CIRCUIT FO	DR	IF NO, E	EXPLAIN					
VALVES	MAKE	MODEL		IRCUIT OPERATE N LOSS ALARM	0		ACH CIRC /ALVE RE	-		IAXIMUM T PERATE RI		
			YES	NO		YES		NO	MIN.		SEC.	
PRESSURE REDUCING VALVE TEST	LOCATION MAKE & RESIDUAL FLOW MODEL SETTING STATIC PRESSURE (FLOWING)						RATE					
				INLET (PSI)	Ουτι	LET (PSI)	INLET (PS	SI) OUTI (PSI)		FLOW (GF	YM)	
TEST DESCRIPTION	static pressu to prevent da PNEUMATIC	re in excess amage. All at C: Establish 4 pressure tank	of 150 psi (10.2 k poveground piping 0 psi (2.7 bars) a s at normal wate	I e made at not less th pars) for two hours. I g leakage shall be si hir pressure and mea r level and air press	Differer topped. asure d	ntial dry-pi rop, which	pe valve cl	appers sh exceed 1-	all be 1/2 psi	left open du i (0.1 bars)	íring test in 24	
	DRY PIPING	PNEUMAT	TICALLY TESTE CALLY TESTED S PROPERLY		PSI FOI I NO I NO	R	_HRS.	IF NC	, STA	TE REASC	ASON	
	DRAIN TEST READING OF GAUGE LOCATED NEAR WATER SUPPLY TEST CONNECTION: RESIDUAL PRESSURE WITH VALV CONNECTION OPEN WIDE									-		
TESTS	FLUSHED B VERIFIED B	EFORE CON Y COPY OF	NECTION MAD	CONNECTIONS TO E TO SPRINKLER F O. 85B ROUND SPRINKLEF	PIPING	D YE	S 🗆 N		IER	EXPLAIN		
		TATIVE SAN		USED IN CONCRE BEEN SATISFACTC		.S D YE	ES 🗆 N		O, EX	PLAIN		
BLANK TESTING GASKETS	NUMBER US	SED	LOCATIONS					NUM	1BER	REMOVED		
	WELDED PIPING								U YES	□ NO		
	IF YES											
WELDING DO YOU CERTIFY AS THE SPRINKLER CONTRACTOR THAT WELDING WITH THE REQUIREMENTS OF AT LEAST AWS D10 9. LEVEL AR-3?									□ NO			
	DO YOU CERTIFY THAT THE WELDING WAS PERFORMED BY WELDERS QUALIFIED IN COMPLIANCE WITH THE REQUIREMENTS OF AT LEAST AWS D10 9. LEVEL AR-3?								L YES			
DO YOU CERTIFY THAT WELDING WAS CARRIED OUT IN COMPLIANCE WITH A DOCUMENTED QUALITY CONTROL PROCEDURE TO INSURE THAT ALL DISCS ARE RETRIEVED, THAT OPENINGS IN PIPING ARE SMOOTH, THAT SLAG AND OTHER WELDING RESIDUE ARE REMOVED, AND THAT THE INTERNAL DIAMETERS OF PIPING ARE NOT PENETRATED?						L YES						
CUTOUTS (DISCS)	DO YOU CE (DISCS) AR			ONTROL FEATURI	E TO E	NSURE T	HAT ALL (UTOUTS	5	D YES	D NO	

ATTACHMENT "B-1 FOR Aboveground Piping" (Page 2)

HYDRAULIC DATA NAMEPLATE	NAMEPLATE PROVIDED	IF NO, EXPLAIN					
DEMARKO	DATE LEFT IN SERVICE WITH ALL CONTROL VALVES OF	EN:					
REMARKS							
	NAME OF SPRINKLER CONTRACTOR						
SIGNATURES	TESTS WITNESSED BY						
	FOR PROPERTY OWNER (SIGNED)	TITLE	DATE				
	FOR SPRINKLER CONTRACTOR (SIGNED)	TITLE	DATE				
ADDITIONAL EXPLA	ANATION AND NOTES						

ATTACHMENT "B-1 FOR Aboveground Piping" (Page 3)

SEND TO: Nebraska State Fire Marshal - 246 South 14th Street - Lincoln, NE 68508-1804 A copy of this completed form shall be forwarded to the State Fire Marshal's Office and a duplicate shall be maintained at the system riser.

Contractor's Material and Test Certificate for	Underground Piping
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PROCEDURE

Upon completion of work, inspection and tests shall be made by the contractor's representative and witnessed by an owner's representative. All defects shall be corrected and system left in service before contractor's personnel finally leave the job.

A certificate shall be filled out and signed by both representatives. Copies shall be prepared for approving authorities, owners and contractor. It is understood the owner's representative's signature in no way prejudices any claim against contractor for faulty material, poor workmanship, or failure to comply with approving authority's requirements or local ordinances.

PROPERTY NAME	DATE							
PROPERTY ADDRESS								
ACCEPTED BY APPROVING AUTHORITIES (NAMES)								
	ADDRESS							
PLANS	INSTALLATION CONFORMS TO ACCEPTED PLANS		U YES					
	EQUIPMENT USED IS APPROVED IF NO, EXPLAIN DEVIATIONS		L YES	D NO				
	HAS PERSON IN CHARGE OF FIRE EQUIPMENT BEEN INSTRUCTED AS TO LOCATION OF CONTROL VALVES AND CARE AND MAINTENANCE OF THIS NEW EQUIPMENT? IF NO, EXPLAIN							
INSTRUCTIONS	HAVE COPIES OF APPROPRIATE INSTRUCTIONS AND CARE AN BEEN LEFT ON PREMISES? IF NO, EXPLAIN	ND MAINTENANCE CHARTS	L YES	□ NO				
LOCATION	SUPPLIES BUILDINGS							
	PIPE TYPES AND CLASS	TYPE JOINT						
UNDERGROUND PIPES AND JOINTS	PIPE CONFORMS TO STANDARD FITTINGS CONFORM TO STANDARD IF NO, EXPLAIN	□ YES □ YES	□ NO □ NO					
	JOINTS NEEDING ANCHORAGE CLAMPED, STRAPPED, OR BLOCKED IN ACCORDANCE WITH STANDARD IF NO, EXPLAIN							
TEST DESCRIPTION	FLUSHING: Flow the required rate until water is clear as indicated by such as hydrants and blow-offs. Flush at flows not less than 390 GPN 6-inch pipe, 1560 GPM (5905 L/min) for 8-inch pipe, 2440 GPM (923) for 12-inch pipe. When supply cannot produce stipulated flow rates, c HYDROSTATIC: Hydrostatic tests shall be made at not less than 200 static pressure in excess of 150 psi (103 bars) for two hours. LEAKAGE: New pipe laid with rubber gasketed joints shall, if the worl joints. The amount of leakage at the joints shall not exceed 2 qts. Per diameter. The leakage shall be distributed over all joints. If such leaka considered unsatisfactory and necessary repairs made. The amount by 1 fl oz per in valve diameter per hr (30 mL/25 mmh) for each meta hydrants are tested with the main valve open, so the hydrants are und leakage is permitted for each hydrant.	M (1476 L/min) for 4-inch pipe, 880 G 5 L/min) for 10-inch pipe, and 3520 G obtain maximum available.) psi (138 bars) for two hours or 50 p kmanship is satisfactory, have little o r hr. (1.89 L/h) per 100 joints irrespec age occurs at a few joints the installa of allowable leakage specified above I seated valve isolating the test secti	PM (3331 L PM (13323 si (34 bars) r no leakage tive of pipe tition shall be may be inc on. If dry ba	/min) for L/min) above e at the e reased rrel				
	NEW UNDERGROUND PIPING FLUSHED ACCORDING TO STANDARD BY (COMPANY) IF NO, EXPLAIN		U YES	□ NO				
FLUSHING TESTS	HOW FLUSHING FLOW WAS OBTAINED	THROUGH WHAT TYPE OPENIN	G PEN PIPE					
	NDARD BY (COMPANY)	□ YES	□ NO					
	HOW FLUSHING FLOW WAS OBTAINED	THROUGH WHAT TYPE OPENIN Y CONN. TO FLANGE O SPIGOT	G PEN PIPE					

ALL NEW UNDERGROUND PIPING H	JOINTS COVERED	□ NO						
LEAKAGE TEST								
ST ALLOWABLE LEAKAGE GALS FOR HOURS								
NUMBER INSTALLED								
WATER CONTROL VALVES LEFT WIDE OPEN IYES NO IF NO, STATE REASON								
			□ NO					
DATE LEFT IN SERVICE								
NAME OF INSTALLING CONTRACTO	R							
	TESTS WITNESSED BY							
FOR PROPERTY OWNER (SIGNED)	TITLE		DATE					
FOR INSTALLING CONTRACTOR (SI	GNED) TITLE		DATE					
ANATION AND NOTES								
ANATION AND NOTES								
	TOTAL AMOUNT OF LEAKAGE MEAS GALS FOR ALLOWABLE LEAKAGE GALS FOR NUMBER INSTALLED WATER CONTROL VALVES LEFT WI IF NO, STATE REASON HOSE THREADS OF FIRE DEPARTM INTERCHANGEABLE WITH THOSE OF DATE LEFT IN SERVICE NAME OF INSTALLING CONTRACTOR FOR PROPERTY OWNER (SIGNED) FOR INSTALLING CONTRACTOR (SI	GALS FORHOURS ALLOWABLE LEAKAGEGALS FORHOURS NUMBER INSTALLED TYPE AND MAKE WATER CONTROL VALVES LEFT WIDE OPEN IF NO, STATE REASON HOSE THREADS OF FIRE DEPARTMENT CONNECTIONS AND HYDRANTS INTERCHANGEABLE WITH THOSE OF FIRE DEPARTMENT ANSWERING / DATE LEFT IN SERVICE	TOTAL AMOUNT OF LEAKAGE MEASURED GALS FORHOURS ALLOWABLE LEAKAGE GALS FORHOURS NUMBER INSTALLED TYPE AND MAKE ALL OPERATE SATISFACTO WATER CONTROL VALVES LEFT WIDE OPEN IF NO, STATE REASON HOSE THREADS OF FIRE DEPARTMENT CONNECTIONS AND HYDRANTS INTERCHANGEABLE WITH THOSE OF FIRE DEPARTMENT ANSWERING ALARM DATE LEFT IN SERVICE					

ATTACHMENT "B-2 FOR Underground Piping" (Page 2)

SEND TO: Nebraska State Fire Marshal - 246 South 14th Street - Lincoln, NE 68508-1804 A copy of this completed form shall be forwarded to the State Fire Marshal's Office and a duplicate shall be maintained at the system riser.

NEBRASKA STATE FIRE MARSHAL FIRE SPRINKLER INSPECTION

LO	CATION OF SYSTEM:								
		INSPECTION DATE							
						TYPE OCCUPANCY			
	FORMS INC	LUDED WITH THIS CO	OVER SHEET		ТҮРЕ	OF INSPECTION			
	UNDERGROUND TE	ST CERTIFICATION (F	ORM 85-AB)		INITIAL ACCEPTANCE OF	SYSTEM			
	ABOVEGROUND TE	ST CERTIFICATION (F	ORM 85-AC)		REINSPECTION DUE TO	REMODEL, REPAIR, ETC.			
	REPORT OF INSPEC	CTION			PERIODIC ANNUAL INSPECTION				
	DRY PIPE VALVE TE	ST			BACKFLOW PREVENTER	TEST			
2 - 1	ITEM # DIRECT WET RISER DRY RISER PREACTION RISER	TORY 5 - BACKFLOW PRI 6 - STANDPIPE 7 - OTHER	EVENTER			DEFICIENCIES ED ON INSPECTION AND ANY ITS ON SYSTEM			
	TAG #	ITEM #		MA	JOR DEFICIENCIES/C	OMMENTS			
<u> </u>									
<u> </u>									
<u> </u>									
			STATUS OF SYST	FM - C					
	N COMPLIANCE		MINOR DEFICIENCI			■ MAJOR DEFICIENCIES			
со	MPANY PERFORM	MING INSPECTION	J:						
						TOR SIGNATURE			
					NE LICENSE #				
					TESTER BFP LICENSE #				
						ESENTATIVE SIGNATURE			

SEND TO: NEBRASKA STATE FIRE MARSHAL - 246 SOUTH $14^{\text{TH}}\,\text{ST}$ - LINCOLN NE 68508-1804

A COPY OF THIS INSPECTION REPORT SHALL BE LEFT ATTACHED TO THE SYSTEM RISER ATTACHMENT "C"