902 Redwood Drive, Loveland, CO 80538 (888) 371-2145

REPORTING ADDRESS:	INSPECTION ADDRESS:	
MicroTrack\Bluelight 902 Redwood Drive Loveland, CO 80538	MicroTrack\Bluelight 961 Pottstown Pike Chester Springs, PA 19425	**CUSTOMER #** 5428 **CONTRACT #** 5428 **CONTACT:** Bill Brown **PHONE**: **FAX**: **INSPECTOR(S):** Jim Brown **INSPECTION DATE:** 05/07/2002

Sprinkler Inspection Report System #3

ANSWER KEY: If question was asked about more than one of the same device, the answer includes brackets. [Number in bracket] = quantity of item inspected. Refer to discrepancies section of report for footnotes shown after brackets. --- indicates that this question is either not applicable or not due for this device.

NFPA-25 ADMINISTRATIVE

BUILDING OWNER/REPRESENTATIVE QUESTIONS

Ask building owner/representative - Is the building currently occupied?	Yes:[1]		
Ask building owner/representative - Has the building occupancy and hazard of contents remained the same since last inspection?	Yes:[1]		
Ask building owner/representative - Are all fire protection systems in service?	Yes:[1]		
Ask building owner/representative - Has the system(s) remained in service without modification since the last inspection?	Yes:[1]		
Ask building owner/representative - Was the system free of actuations or alarms since last inspection?	Yes:[1]		

DRY PIPE SPRINKLER SYSTEM

DRY SPRINKLER SYSTEM INSPECTION

Are sprinkler heads free of corrosion, foreign material, paint or damage (2-2.1.1)?	Yes:[1]		
Is system free from unacceptable obstructions to spray patterns? (2-2.1.2)?	Yes:[1]		
Does the number of replacement sprinkler heads per number installed in the head box comply : 6 per 1-300: 12 per 301 to 1,000: 24 per > 1,000 (2-2.1.2)?	Yes:[1]		
Is a sprinkler head wrench for each type head provided in head box (2-2.1.2)?	Yes:[1]		
Is system piping free of mechanical damage, leaks, corrosion, misalignment, or other loads or pipe hung from system (2-2.2)?	Yes:[1]		
Are pipe hangers and seismic braces secure and undamaged (2-2.3)?	Yes:[1]		
Is there adequate heat to protect part of system containing water at a minimum temperature of 40º F (2-2.5)?	Yes:[1]		
Have all sprinklers in this building been manufactured after 1920? (2-3.1.1)	Yes:[1]		
Are all sprinklers in building less than 50 years old or, if fast response, less than 20 years old, or if older have representative samples been tested within the last 10 years? (2-3.1.1)	Yes:[1]		

DRY PIPE VALVE

Visually inspect - Is exterior of valve in good condition and both gauges operable (2-2.4.1 & 9-4.4.1.3)?				Yes:[1]	
VISUAL GAUGE READINGS					
AREA	**LOCATION**	**SUPPLY STATIC PRESSURE (PSI)**	**SYSTEM AIR PRESSURE (PSI)**		
MIDDLE OF PLANT	Valve House #3	150	48		
Visually Inspect - Are trim valves in their appropriate open or closed positions (9-4.4.1.3)?				Yes:[1]	
Visually Inspect - Is intermediate chamber free from leakage (9-4.4.1.3)?				Yes:[1]	

MAIN DRAIN TEST			
AREA	**LOCATION**	**SYSTEM RESIDUAL PRESSURE (PSI) AT FLOW**	**SYSTEM STATIC PRESSURE (PSI) AFTER FLOW**
MIDDLE OF PLANT	Valve House #3	133	150

Test - is priming water level correct (9-4.4.2.1)?	Yes:[1]		
Test low air pressure alarm - Does low air pressure alarm operate within manufacturer's parameters(9-4.4.2.6)?	Yes:[1]		
Inspect dry pipe valve enclosure and heating equipment during cold weather - Can enclosure and heating equipment maintain 40º F temperature(9-4.4.1.1)?	Yes:[1]		
Test automatic air maintenance device - air pressure maintained at proper setting for system (9-4.4.2.7)?	Yes:[1]		
Was partial trip test of the dry pipe valve conducted with control valve partially opened (9-4.4.2.2.2)?	Yes:[1]		

PARTIAL TRIP TEST			
AREA	**LOCATION**	**TRIP AIR PRESSURE (PSI)**	**TIME TO TRIP (SEC)**
MIDDLE OF PLANT	Valve House #3	36	15 secs.

Conduct internal inspection of dry pipe valve. Do all components operate properly and move freely? Has valve been cleaned and is it in good condition? (9-4.4.1.4 & 9-4.4.3.2)?	Yes:[1]		
Was a full flow trip test of dry valve conducted with control valve opened fully (9-4.4.2.2.1)?	Yes:[1]		

FULL FLOW TRIP TEST				
AREA	**LOCATION**	**TRIP AIR PRESSURE (PSI)**	**TRIP TIME (SEC)**	**TIME TO WATER FLOW (SEC)**
MIDDLE OF PLANT	Valve House #3	Not tested per customer request	9 SEC	Not done per customer request

Test Gauges on valve by comparison to a calibrated gauge to within 3% of full scale. Is error less than 3% of full scale or have gauges been replaced (2-3.2)?	Yes:[1]		
Internally inspect dry pipe valve strainers, filters, and restriction orifices - Are these components free from obstructions, operating properly, and in good condition (9-4.4.1.5)?	Yes:[1]		

QUICK OPENING DEVICE

Visually inspect - Is the exterior of QOD in good condition and gauge operable (9-4.4.1)?	Yes:[1]		

VISUAL GAUGE READINGS		
AREA	**LOCATION**	**PRESSURE (PSI)**
MIDDLE OF PLANT	@riser	48

Is the pressure gauge on QOD indicating the same pressure as the air gauge on the system side of the dry pipe valve (9-4.4.1.2)?	Yes:[1]		
Visually Inspect - Is the QOD free from leakage (9-4.4.1.3)?	Yes:[1]		

WATER MOTOR ALARM

Visually Inspect - Is Water Motor Alarm free of damage (2-2.6)?	Yes:[1]		
Open test connection/bypass - Did water flow activate the alarm (2-3.3)?	Yes:[1]		
Did water motor gong operate properly (2-3.3)?	Yes:[1]		

SPRINKLER SYSTEM HYDRAULIC NAMEPLATE

Inspect nameplate - Is nameplate securely attached to sprinkler riser and is it legible (2-2.7)?	Yes:[1]		

CONTROL VALVE - PIV - LOCKED OPEN

Does control valve have proper signs (9-3.2)?	Yes:[1]		
Is control valve chained and/or locked open (9-3.3.1 Except No.1)?	Yes:[1]		
Test - Is control valve operating rod attached - is spring or torsion felt in operation of valve (9-3.4.1)?	Yes:[1]		
Test - Does control valve operate through the full range of valve from open to shut (9-3.4.1) ?	Yes:[1]		

DRUM DRIP/LOW POINT

Has the drum drip/low point drain been drained and inspected during the time of year in which the system is subject to freezing?	Yes:[1]		

NOT INSPECTED

DRY PIPE VALVE

Area: MIDDLE OF PLANT Location: Valve House #3

0

Q# 17 - Record air pressure (psi) at trip of dry valve.

Reason for not Inspecting = Not tested per customer request

Comments: Sealed open control valve with # 20270
Per customer request did partial trip on system.

The owner and/or designated representative acknowledges the responsibility of the operating condition of the component parts at the time of this inspection. It is agreed that the inspection service provided by the contractor as prescribed herein is limited to performing a visual inspection and/or routine testing, and any investigation or unscheduled testing, modification, maintenance, repair, etc., of the component parts is not included as part of the inspection work performed. It is further understood that all information contained herein is provided to the best of the knowledge of the party providing such information.

Inspector's Signature: X_____
Inspector's Name: BILL BROWN

Customer's Signature: X_____
Customer's Name: JIM BROWN