

WP 12-FP0025

Revision 2

Sprinkler System Inspection and Testing

Technical Procedure

EFFECTIVE DATE: 07/27/10

Robert Paslay
APPROVED FOR USE

CONTINUOUS USE

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CHANGE HISTORY SUMMARY

REVISION NUMBER	DATE ISSUED	DESCRIPTION OF CHANGES
2	07/27/10	Added Trailer 953 EA to list in the Introduction.

INTRODUCTION

This procedure provides the basic work instruction to safely perform periodic inspection and testing of the sprinkler systems.

This procedure provides instruction for the performance of the annual surveillance for **Surveillance Requirement (SR) 4.1.1.4 of Limiting Conditions of Operations (LCO) 3.1.1.**

Performance of this procedure generates the following record(s):

- Actual Data Sheets that may consist of one of the following:

EA12FP0025-384	Salt Handling Shaft Hoist House
EA12FP0025-411R	Remote Handling Area
EA12FP0025-411C	Contact Handling Area
EA12FP0025-411O	Over Pack and Repair
EA12FP0025-413	Exhaust Filter Building
EA12FP0025-451	Support Building
EA12FP0025-452	Safety and Emergency
EA12FP0025-453	Warehouse and Shops
EA12FP0025-455	Auxiliary Storage Building
EA12FP0025-456	Pump House
EA12FP0025-458	Guard and Security
EA12FP0025-459	Core Storage
EA12FP0025-474	Buildings 474A and 474B
EA12FP0025-474C	Building 474C
EA12FP0025-474E	Building 474E
EA12FP0025-481	Warehouse Annex
EA12FP0025-486	Engineering
EA12FP0025-489	Training
EA12FP0025-918	Trailer 918
EA12FP0025-918B	Trailer 918B
EA12FP0025-950	Trailer 950
EA12FP0025-951	Trailer 951
EA12FP0025-952	Trailer 952
EA12FP0025-953	Trailer 953
EA12FP0025-971	Trailer 971
EA12FP0025-986	Trailer 986

REFERENCES

BASELINE DOCUMENTS

- Title 29, *Code of Federal Regulations* (CFR) 1910 § L, "Fire Protection"
- NFPA 25, Inspection, Testing and Maintenance of Water – Based Fire Protection System
- *Hazardous Waste Facility Permit, Waste Isolation Pilot Plant, Permit #NM4890139088TSDF*, Issued by New Mexico Environment Department
- DOE/WIPP-07-3372, *Waste Isolation Pilot Plant Documented Safety Analysis*
- DOE/WIPP-07-3373, *Waste Isolation Pilot Plant Technical Safety Requirements*
- WP 10-2, Maintenance Operations Instruction Manual
- WP 10-WC3010, Maintenance PM/MWI Controlled Document Processing
- WP 10-WC3011, Maintenance Process
- WP 12-FP.01, WIPP Fire Protection Program
- WP 12-FP3001, Fire Protection Impairment
- WP 12-IS.01, Industrial Safety Program – Structure and Management

REFERENCED DOCUMENTS

- WP 04-AD3001, Facility Mode Compliance
- WP 13-1, Washington TRU Solutions LLC Quality Assurance Program Description

EQUIPMENT

- Rags
- Power Lube, Stock No. X-51-04036 and Material Safety Data Sheets (MSDS)
- Wire seals, as required
- Wire seal crimper, as required

- Wrench, as required
- Keys for locks on control valves, as required
- 6-foot ladder, as required
- 10-foot ladder, as required
- Stop watch

PRECAUTIONS AND LIMITATIONS

- The Technical Safety Requirements (TSRs) document contains the LCOs and Specific Administrative Controls (SACs) provide specific preventative or mitigative limits and required actions for identified accident scenarios. Failure to comply with TSRs, LCOs, or SACs may constitute a violation and must be immediately reported to the Facility Shift Manager (FSM). Listed within the procedure in bold brackets are the specific safety requirements that apply during performance of a procedure, e.g., **[LCO x.x.x]**.
- Sections 1.0, 2.0, and 3.0 may be performed separately and independently of each other.
- Job hazards exist for the performance of this procedure. Mitigation of the hazards is shown in Warning boxes and performance steps. No other hazards are recognized.
- Attachment 1 is a sample data sheet(s) only and each system shall have its own data sheet(s). Refer to the appropriate electronic attachment (EA) per system.
- Troubleshooting or other activities outside the scope of the procedure may require the initialization of a work order as directed by the FSM.
- The water pressure must NOT be reduced to < 105 psig during the performance of this procedure without being in **Standby Mode** or entering required actions of **LCO 3.1.1**.
- Isolation valves FW-411-V-001, FW-411-V-010, or FW-411-V-052 must NOT be CLOSED during the performance of this procedure without verifying that the Waste Handling Building (WHB) is in **Standby Mode** or that the FSM has entered required actions of **LCO 3.1.1**.

PREREQUISITE ACTIONS

- 1.0 Review these work instructions prior to beginning action and obtain copy of appropriate EA.

2.0 Record the work order number on the Data Sheet(s) and appropriate EA.

PERFORMANCE

1.0 MONTHLY SPRINKLER SYSTEM INSPECTION

1.1 Visually inspect sprinkler system riser for the following:

- Accessibility
- Cracks
- Leaks
- Erosion
- Salt Buildup
- Damage
- Corrosion
- Loose or missing parts
- Structural deterioration
- Condition of gauge(s)
- Proper position of gauge(s)

1.2 Verify isolation valve for water motor gong is OPEN and has a wire seal in place, if equipped.

1.3 Verify Outside Stem & Yoke (OS&Y) valve is fully OPEN and locked, if equipped.

1.4 Verify Supervisory valve control is in the OPEN and locked position, if equipped.

1.5 Document monthly inspection on the Data Sheet.

1.6 Verify gauges have a current calibration sticker and record calibration due date on Data Sheet.

1.7 Verify static water pressure on equipped gauges is between 105 and 175 psig.

1.7.1 **IF** gauge for sprinkler system pressure at Facility 474 and system with an alarm valve indicates above 175 psig,
THEN Central Monitoring Room Operator (CMRO) must be notified.

NOTE

If psig falls below 120, the electric fire pump may start

- 1.7.2 **IF** gauge is above 175 psig,
THEN slowly bleed pressure down to 130 to 150 psig by cracking open the main drain valve and visually observing pressure gauge. Document actions in the Comment Section of the Data Sheet.

2.0 QUARTERLY SPRINKLER SYSTEM INSPECTION AND TESTING

2.1 Inspect fire department connection, if equipped, for the following:

- Cracks
- Erosion
- Salt buildup
- Corrosion
- Loose or missing parts
- Structural deterioration
- Blocked access
- Obstructions in waterway
- Worn or damaged coupling and threads
- Free-rotating swivel
- Gasket in good condition
- Missing or damaged protective cap
- Check valve leakage

2.2 Inspect standpipe hose valves, if equipped, for the following:

- Blocked access
- Valve leakage
- Missing or damaged hand-wheel or cap
- Gasket in good condition
- Damaged threads

2.3 Inspect the following, if equipped, for damage:

- Water motor gong
- Supervisory switch
- Pressure or flow switch

2.4 Test water-flow alarm devices as follows:

2.4.1 Notify CMRO and FSM of sprinkler system testing.

2.4.2 Inspect Inspectors Test Valve prior to opening.

- 2.4.3 Fully OPEN Inspector's Test Valve and monitor elapsed time until alarm is received.
- 2.4.4 Verify operation of water motor gong, if equipped.
- 2.4.5 CLOSE Inspector's Test Valve after alarm has sounded or two minutes has elapsed.
- 2.5 Record elapsed time for alarm to sound on Data Sheet.
- 2.6 Verify alarm was received in Central Monitoring Room (CMR).
 - 2.6.1 **IF** alarm did NOT sound,
THEN inspect Fire Alarm Panel (FAP) to see if signal was received.
 - 2.6.2 **IF** alarm did NOT sound within 90 seconds, and the FAP did not receive a signal,
THEN inspect the alarm line strainer, if equipped, and clean as required.
- 2.7 Reset FAP.
- 2.8 Inspect Inspectors Test Valve for leakage through valve.
- 2.9 **IF** the water motor gong did NOT operate, or operated poorly,
THEN repeat Step 2.4.2 through Step 2.8 to determine if there was any improvement in alarm operation.

NOTE

Residual pressure normally reads 110 psig or greater when fire pump is running. If a discrepancy is noted, the Fire Protection Engineer (FPE) should be notified for further evaluation. An Action Request (AR) may need to be issued.

- 2.10 Perform the sprinkler system main drain test as follows:
 - 2.10.1 Fully OPEN main drain valve and, after pump starts up, record residual water pressure from riser gauge(s). **[LCO 3.1.1]**
 - 2.10.2 CLOSE main drain valve.
 - 2.10.3 Reset FAP.
 - 2.10.4 Inspect main drain valve for leakage through valve.
- 2.11 Notify CMRO sprinkler system testing and maintenance is complete.
- 2.12 Document quarterly inspection on Data Sheet.

WARNING

Personnel shall be familiar with the chemical manufacturer's MSDS for chemicals used during the performance of this work.

3.0 ANNUAL CONTROL VALVE MAINTENANCE

- 3.1 All personnel involved in the performance of this work must discuss hazards, precautions, and mitigating actions to be taken for the chemical(s) being used, as stated in the MSDS.
- 3.2 Lubricate Outside Stem and Yoke (OS&Y) valve stem.
- 3.3 Fully cycle control valve.
- 3.4 Verify valve FW-456-V-021 is locked CLOSED when performing the annual inspection in Building 456. **[SR 4.1.1.4]**
- 3.5 Document annual inspection is complete on appropriate Data Sheet.
- 3.6 Complete the Surveillance Data Sheet, EA04AD3001-SR4, for LCO 3.1.1, as found in WP 04-AD3001.
- 3.7 Forward the completed Surveillance Data Sheet to the FSM for review and approval.

4.0 VERIFICATION AND VALIDATION

- 4.1 FSM or designee, review completed appropriate Data Sheet(s) and associated documentation for **LCO 3.1.1**, as found in WP 04-AD3001.

Attachment 1 – Sample Test Data Sheets

FIRE PROTECTION SPRINKLER SYSTEM REPORT
BUILDING 384 - SALT HANDLING SHAFT HOIST HOUSE
 Dwg. No. 38-S-001-W

	EQUIPMENT	LOCATION	ACTION	CONDITION
MONTHLY	Sprinkler System Riser	Northeast Corner	Visual Inspection	SAT[] UNSAT*[]
	Alarm Isolation Valve FW-384-V-009	Sprinkler System Riser	Wire Sealed Open	YES[] NO*[]
	Pressure Gauge 384-PI-001-006 (Firewater Supply)	Sprinkler System Riser	Static Pressure (105 PSI To 175 PSI) _____PSI Cal. Due Date _____	SAT[] UNSAT*[]
	Pressure Gauge 384-PI-001-005 (Sprinkler System)	Sprinkler System Riser	Static Pressure (105 PSI To 175 PSI) _____PSI Cal. Due Date _____	SAT[] UNSAT*[]
QUARTERLY N/A []	Fire Dept. Connection	Outside, Northeast Corner	Visual Inspection	SAT[] UNSAT*[]
	Water Motor Gong	Inside & Outside Northeast Corner	Visual Inspection	SAT[] UNSAT*[]
	Pressure Switch 384-PS-050-102	Sprinkler System Riser	Visual Inspection	SAT[] UNSAT*[]
	Water Motor Gong	Outside, Northeast Corner	Operates	SAT[] UNSAT*[]
	Building Fire Alarm	Building Interior	Elapsed Time For Alarm To Sound (90 Sec. Max.) _____Sec.	SAT[] UNSAT*[]
			Alarm Received In CMR	YES[] NO*[]
	Strainer	Sprinkler System Riser	Cleaned N/A_____	SAT[] UNSAT*[]
	Pressure Gauge 384-PI-001-006 (Firewater Supply)	Sprinkler System Riser	Residual Pressure (Greater Than 110 PSI) _____PSI	SAT[] UNSAT*[]
	Pressure Gauge 384-PI-001-005 (Sprinkler System)	Sprinkler System Riser	Residual Pressure (Greater Than 110 PSI) _____PSI	SAT[] UNSAT*[]
	Main Drain Valve FW-384-V-003	Sprinkler System Riser	Visual Inspection	SAT[] UNSAT*[]
	Inspector's Test Valve FW-384-V-010	Southwest Corner	Visual Inspection	SAT[] UNSAT*[]

*Explain in Comments section

Work Order No.: _____

Comments: _____

Attachment 1 – Sample Test Data Sheets

Inspected By: _____
Print Name Signature Time/Date

Inspected By: _____
Print Name Signature Time/Date

Work Order No.: _____

RCRA form
Sample EA12FP0025-384

Attachment 1 – Sample Test Data Sheets

FIRE PROTECTIONS SPRINKLER SYSTEM REPORT

BUILDING 411 – CH BAY & BUILDING 412 – TMS

Dwg. No. 41-S-003-W2 & 41-S-001-W

WORK ORDER NO.:		DATE:		
EQUIPMENT	LOCATION	ACTION	CONDITION	
MONTHLY N/A []	Sprinkler System Riser	Southwest Corner CH Bay	Visual Inspection	SAT[] UNSAT*[]
	Alarm Isolation Valve FW-411-V-008	Sprinkler System Riser	Wire Sealed Open	YES[] NO*[]
	Control Valve FW-411-V-001	Sprinkler System Riser	Locked Open	YES[] NO*[]
	Control Valve FW-412-V-006	East Wall, 24' Above Floor, TMF	Locked Open	YES[] NO*[]
	Pressure Gauge 411-PI-003-001 (Firewater Supply)	Sprinkler System Riser	Cal. Due Date _____ Static Pressure (125 PSI To 170 PSI ____ PSI	SAT[] UNSAT*[]
	Pressure Gauge 411-PI-003-002 (Sprinkler System)	Sprinkler System Riser	Cal. Due Date _____ Water Static Pressure (125 PSI To 170 PSI ____ PSI	SAT[] UNSAT*[]
QUARTERLY N/A []	Fire Dept. Connection	Outside, Southwest Corner CH Bay	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-411-V-020	West Wall, CH Bay	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-411-V-021	South Wall, CH Bay, Near Airlock 100	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-411-V-027	Northeast Wall, CH Bay	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-411-V-032	North Wall, CH Bay	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-411-V-028	CH Bay, Access Corridor	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-411-V-022	South Side, CH Bay, Near Airlock 102	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-412-V-001	North Wall, TMF	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-412-V-005	South Wall, TMF	Visual Inspection	SAT[] UNSAT*[]
	Flow Switch 412-FS-001-109	East Wall, 24' Above Floor, TMF	Visual Inspection (From Floor Level)	SAT[] UNSAT*[]
	Water Motor Gong	Inside & Outside, Southwest Corner, CH Bay	Visual Inspection	SAT[] UNSAT*[]
	Pressure Switch 411-PS-013-102	Sprinkler System Riser	Visual Inspection	SAT[] UNSAT*[]

Attachment 1 – Sample Test Data Sheets

WORK ORDER NO.:		DATE:		
EQUIPMENT	LOCATION	ACTION	CONDITION	
QUARTERLY N/A []	Inspector's Test Valve FW-411-V-023	South End, Airlock 102	Visual Inspection	SAT[] UNSAT*[]
	Water Motor Gong	Outside, Southwest Corner, CH Bay	Operates.	SAT[] UNSAT*[]
	Building Fire Alarm	Building Interior	Elapsed Time For Alarm To Sound (90 Sec. Max.) _____ Sec.	SAT[] UNSAT*[]
			Alarm Received In CMR	YES[] NO*[]
	Strainer	Sprinkler System Riser	Cleaned N/A_____	SAT[] UNSAT*[]
	Inspector's Test Valve FW-412-V-002	West Wall, TMF	Visual Inspection	SAT[] UNSAT*[]
	Water Motor Gong	Outside South Wall	Operations	SAT[] UNSAT*[]
	Building Fire Alarm	Building Interior, TMF	Elapsed Time For Alarm To Sound (90 Sec. Max.) _____ Sec.	SAT[] UNSAT*[]
	Strainer	Sprinkler System Riser	Cleaned N/A_____	SAT[] UNSAT*[]
	Pressure Gauge 411-PI-003-001 (Firewater Supply) [LCO 3.1.1]	Sprinkler System Riser	Residual Pressure (Greater Than 110 PSI) _____ PSI	SAT[] UNSAT*[]
	Pressure Gauge 411-PI-003-002 (Sprinkler System)	Sprinkler System Riser	Residual Pressure (Greater Than 110 PSI) _____ PSI	SAT[] UNSAT*[]
	Main Drain Valve FW-411-V-003	Sprinkler System Riser	Visual Inspection	SAT[] UNSAT*[]
	ANNUAL N/A []	Control Valve FW-411-V-001 [LCO 3.1.1]	Sprinkler System Riser	Lubricate Valve Stem
			Fully Cycle	SAT[] UNSAT*[]
Control Valve FW-412-V-006		East Wall, 24' Above Floor, TMF (Requires Maintenance Support)	Lubricate Valve Stem	YES[] NO*[]
		Fully Cycle	SAT[] UNSAT*[]	

*Explain in Comments section

Attachment 1 – Sample Test Data Sheets

FIRE PROTECTION SPRINKLER SYSTEM REPORT

BUILDING 456 – PUMPHOUSE

Dwg. No. 41-S-017-W

WORK ORDER NO.:		DATE:		
EQUIPMENT	LOCATION	ACTION	CONDITION	
MONTHLY	Sprinkler System Riser	South Side	Visual Inspection	SAT[] UNSAT*[]
	Alarm Isolation Valve FW-456-V-053	Sprinkler System Riser	Wire Sealed Open	YES[] NO*[]
	Control Valve FW-411-V-018	Sprinkler System Riser	Locked Open	YES[] NO*[]
	Pressure Gauge 456-PI-008-015 (Firewater Supply)	Sprinkler System Riser	Cal. Due Date _____ Static Pressure (105 PSI To 175 PSI) _____ PSI	SAT[] UNSAT*[]
	Pressure Gauge 456-PI-008-014 (Sprinkler System)	Sprinkler System Riser	Sprinkler System Water Cal. Due Date _____ Static Pressure (105 PSI To 175 PSI) _____ PSI	SAT[] UNSAT*[]
QUARTERLY N/A []	Hose Valve FW-456-V-059	East side	Visual Inspection	SAT[] UNSAT*[]
	Pressure Switch 456-PS-012-01	Sprinkler System Riser	Visual Inspection	SAT[] UNSAT*[]
	Inspector's Test Valve FW-456-V-058	Northwest Corner	Visual Inspection	SAT[] UNSAT*[]
	Building Fire Alarm	Building	Elapsed Time For Alarm To Sound (90 sec. max.) _____ sec.	SAT[] UNSAT*[]
			Alarm Received In CMR	YES[] NO*[]
	Strainer	Sprinkler System Riser	Cleaned N/A _____	SAT[] UNSAT*[]
	Pressure Gauge 456-PI-008-015 (Firewater Supply)	South Side	Residual Pressure (Greater Than 110 PSI) _____ PSI	SAT[] UNSAT*[]
	Pressure Gauge 456-PI-008-014 (Sprinkler System)	South Side	Residual pressure (Greater Than 110 PSI) _____ PSI	SAT[] UNSAT*[]
	Main Drain Valve FW-456-V-057	South Side	Visual Inspection	SAT[] UNSAT*[]

Attachment 1 – Sample Test Data Sheets

FIRE PROTECTION SPRINKLER SYSTEM REPORT

BUILDING 411 – OP&RR

Dwg. No. 41-S-003-W1, W2, & W3

WORK ORDER NO.:		DATE:		
EQUIPMENT	LOCATION	ACTION	CONDITION	
MONTHLY N/A []	Sprinkler System Riser	North Wall, OP&RR	Visual Inspection	SAT[] UNSAT*[]
	Alarm Isolation Valve FW-411-V-018	Sprinkler System Riser	Wire Sealed Open	YES[] NO*[]
	Control Valve FW-411-V-010	Sprinkler System Riser	Locked Open	YES[] NO*[]
	Pressure Gauge 411-PI-003-003 (Firewater Supply)	Sprinkler System Riser	Cal. Due Date _____ Static Pressure (105 PSI To 175 PSI) _____ PSI	SAT[] UNSAT*[]
	Pressure Gauge 411-PI-003-004 (Sprinkler System)		Cal. Due Date _____ Static Pressure (105 PSI To 175 PSI) _____ PSI	SAT[] UNSAT*[]
QUARTERLY N/A []	Fire Dept. Connection	North Wall, OP&RR (Outside)	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-411-V-029	East Wall, SGWR	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-411-V-033	West Wall, SGWR	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-411-V-037	South Wall, OP&RR	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-411-V-063	North Wall, Fifth Floor of Hoist Tower	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-411-V-064	East Wall, Mezzanine	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-411-V-065	South Wall, Mezzanine	Visual Inspection	SAT[] UNSAT*[]
	Water Motor Gong	Inside & Outside, North Wall, OP&RR	Visual Inspection	SAT[] UNSAT*[]
	Pressure Switch 411-PS-013-201	Sprinkler System Riser	Visual Inspection	SAT[] UNSAT*[]
	Water Motor Gong	Inside & Outside, North Wall, OP&RR	Operates	SAT[] UNSAT*[]
	Inspector's Test Valve FW-411-V-062	North Wall, Fifth Floor Hoist Tower	Visual Inspection	SAT[] UNSAT*[]
	Building Fire Alarm	Building Interior	Elapsed Time For Alarm To Sound (90 sec. max.) _____sec.	SAT[] UNSAT*[]
Alarm Received In CMR			YES[] NO*[]	

*Document in Comments section

Attachment 1 – Sample Test Data Sheets

WORK ORDER NO.:		DATE:		
EQUIPMENT	LOCATION	ACTION	CONDITION	
QUARTERLY N/A []	Strainer	Sprinkler System Riser	Cleaned N/A_____	SAT[] UNSAT*[]
	Pressure Gauge 411-PI-003-003 (Firewater Supply) [LCO 3.1.1]	Sprinkler System Riser	Residual Pressure (Greater Than 110 PSI) _____PSI	SAT[] UNSAT*[]
	Pressure Gauge 411-PI-003-004 (Sprinkler System)	Sprinkler System Riser	Residual Pressure (Greater Than 110 PSI) _____PSI	SAT[] UNSAT*[]
	Main Drain Valve FW-411-V-012	Sprinkler System Riser	Visual Inspection	SAT[] UNSAT*[]
ANNUAL N/A []	Control Valve FW-411-V-010 [LCO 3.1.1]	Sprinkler System Riser	Lubricate Valve Stem	YES[] NO*[]
			Fully Cycle	SAT[] UNSAT*[]

*Document in Comments section

Comments:

Inspected By: _____
 Print Name Signature Time/Date

Inspected By: _____
 Print Name Signature Time/Date

Attachment 1 – Sample Test Data Sheets

FIRE PROTECTION SPRINKLER SYSTEM REPORT
 BUILDING 411 – REMOTE HANDLING AREA
 Dwg. No. 41-S-003-W1

WORK ORDER NO.:		DATE:		
EQUIPMENT	LOCATION	ACTION	CONDITION	
MONTHLY N/A []	Sprinkler System Riser	East Side, RH Bay	Visual Inspection	SAT[] UNSAT*[]
	Alarm Isolation Valve FW-411-V-058	Sprinkler System Riser	Wire Sealed Open	YES[] NO*[]
	Control Valve FW-411-V-052	Sprinkler System Riser	Locked Open	YES[] NO*[]
	Pressure Gauge 411-PI-003-005 (Firewater Supply)	Sprinkler System Riser	Cal. Due Date Static Pressure (105 PSI To 175 PSI) _____ PSI	SAT[] UNSAT*[]
	Pressure Gauge 411-PI-003-006 (Sprinkler System)	Sprinkler System Riser	Cal. Due Date Static Pressure (105 PSI To 175 PSI) _____ PSI	SAT[] UNSAT*[]
QUARTERLY N/A []	Fire Dept. Connection	Outside, East Side, RH Bay	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-411-V-045	North Wall, Corridor Room 122	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-411-V-046	East Side, RH Bay	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-411-V-047	East Side, RH Bay	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-411-V-048	Outside Manipulator Repair Room 209	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-411-V-050	West Wall, RH Bay	Visual Inspection	SAT[] UNSAT*[]
	Standpipe Hose Valve FW-411-V-049	North Wall, Operating Gallery, Room 211	Visual Inspection	SAT[] UNSAT*[]
	Water Motor Gong	Inside & Outside East Side, RH Bay	Visual Inspection	SAT[] UNSAT*[]
	Pressure Switch 411-PS-013-347	Sprinkler System Riser	Visual Inspection	SAT[] UNSAT*[]
	Inspector's Test Valve FW-411-V-042	Southwest Corner, RH	Visual Inspection	SAT[] UNSAT*[]
	Water Motor Gong	Outside, East Side, RH Bay	Operates	SAT[] UNSAT*[]

Attachment 1 – Sample Test Data Sheets

WORK ORDER NO.:		DATE:		
EQUIPMENT	LOCATION	ACTION	CONDITION	
QUARTERLY N/A []	Building Fire Alarm	Building Interior	Elapsed Time For Alarm To Sound (90 Sec. Max.) _____ Sec.	SAT[] UNSAT*[]
			Alarm Received In CMR	YES[] NO*[]
	Strainer	Sprinkler System Riser	Cleaned N/A_____	SAT[] UNSAT*[]
	Pressure Gauge 411-PI-003-006 (Sprinkler System)	Sprinkler System Riser	Residual Pressure (Greater Than 110 PSI) _____ PSI	SAT[] UNSAT*[]
	Main Drain Valve FW-411-V-053	Sprinkler System Riser	Visual Inspection	SAT[] UNSAT*[]
ANNUAL N/A []	Control Valve FW-411-V-052 [LCO 3.1.1]	Sprinkler System Riser	Lubricate Valve Stem	YES[] NO*[]
			Fully Cycle	SAT[] UNSAT*[]

*Explain in Comments section

Comments:

Inspected By:

Print Name	Signature	Time/Date

Inspected By:

Print Name	Signature	Time/Date

RCRA form

Sample EA12FP0025-411R