

Work Order Details // 20120336296 - JUNE 2012: 905A:FIRE SPRINKLER: RP BACKFLOW PREVENTER Z-6 PM

Name: _____ Craft: **M-FS** Reported Date: 5/1/2012 9:03:06



WO: **20120336296** Priority: **1** Target Start: **6/1/2012**
 Work Type: **PM** New Mexico Level of Rigor: **Low Rigor** Sched Start: **6/4/2012**
 GL Account: 0000362/02.05.06-

Location

Area: **2** Bldg: **905A** Floor: **1** Room: **NORTH SHED**
 Equip: **1098346** 905A:FIRE SPRINKLER: **Yellow Tag: S04770**
 RP BACKFLOW
 PREVENTER Z-6
 JHE/Access: Access-User ES&H? **No** Quadrant: **C**
 EQ Qual Level: **N/A** Not Applied Reported as Safety Issue by Customer?:

Escort

MBA/Escort Needed?: _____ MBA/Escort Contact: _____ Name: _____
 Phone: _____ Dept: _____ Mail Stop: _____ Pager: _____

Requestor

Area: _____ Bldg: _____ Floor: _____
 Room: _____ Quad: _____

Name	Org	Phone	Pager/Cell	Mail Stop
Requested By:				
Reported By: Adrienne Bonaguidi	048474	(505) 284-8185	(505) 951-6169	0905
Affected Person:				

Pre-Task ES&H Evaluation (Sandia crews review and sign prior to starting work)

1. I have reviewed the work package and it provides clear guidance and requirements for the work to be performed safely (protecting the workers, area occupants/pedestrians, and the environment). This includes electrical testing (phase to phase, phase to ground, and phase to neutral).
2. I have inspected the work area (including signage and weather) to ensure work site hazards have been evaluated and I understand the required control measures (e.g. PPE, training, JSHE and/or permit, work rescheduling).
3. I have evaluated the work activity to be performed and have a clear understanding regarding which of the following safety controls are required: (1) LOTO, (2) barricading, (3) fall protection, (4) fire alarm blocks, (5) hearing protection, (6) eye protection, (7) arc flash protection, (8) shock protection, (9) face protection, (11) hand protection, (12) permits, (13) asbestos abatement, (14) respiratory protection, (15) proper footwear.
4. I have notified impacted area occupants of work activity and potential hazards and controls.

Signature of Craftsperson(s): _____
 Date(s) work was evaluated and performed: _____

New Mexico Area V Use Only

Customer Authorization to Start Work: _____ Date: _____

Completed

Customer Sig: (optional) _____ Date: _____
 Craft Sig: _____ Date: _____

Craft Feedback (Use back of sheet for additional notes if necessary)

Work Order Details // 20120336296 - JUNE 2012: 905A:FIRE SPRINKLER: RP BACKFLOW
PREVENTER Z-6 PM

Notes about Work Done:

Job Plan/Material Comments:

Other Comments:

Work Order Details // 20120336296 - JUNE 2012: 905A:FIRE SPRINKLER: RP BACKFLOW PREVENTER Z-6 PM

Job Plan			
Job Plan:	FFBKFLRP	CONTROL VALVE FIRE SPRINKLER (WET SYSTEM)	3:00

Task IDs

Task ID	Description
10	<input type="checkbox"/> MAKE APPROPRIATE NOTIFICATIONS OF PM ACTIVITY. <input type="checkbox"/> NOTIFY SECURITY - CALL 844-4657 OR 844-4658 <input type="checkbox"/> NOTIFY EOC - CALL 844-4189
20	<input type="checkbox"/> PLACE FACP IN "NO ACTION" - CALL 284-9649. <input type="checkbox"/> IS STANDBY MONITOR REQUIRED? IF STANDBY MONITOR IS REQUIRED SPECIAL INSTRUCTIONS: IF FACP RECEIVES AN ALARM NOT ASSOCIATED WITH THE WORK DESCRIBED BELOW, RETURN FACP TO NORMAL OPERATION.
25	FOLLOW IMPAIRMENT INSTRUCTIONS ON FIRE ALARM PANEL SCHEDULE
30	<input type="checkbox"/> DISABLE FACP INPUTS/OUTPUTS.
40	<input type="checkbox"/> VERIFY DEVICE IS FREE FROM PHYSICAL DAMAGE.
50	<input type="checkbox"/> REMOVE FIRE DEPARTMENT CONNECTION (FDC).
60	<input type="checkbox"/> CONNECT FIRE HOSE TO FDC OUTLET.
70	<input type="checkbox"/> RECORD PRESSURE. <input type="checkbox"/> RECORD STATIC PRESSURE (GAUGE READING BELOW CHECK VALVE): _____ PSI
80	<input type="checkbox"/> OPEN FDC BYPASS VALVE.
90	<input type="checkbox"/> RECORD PRESSURE. <input type="checkbox"/> RECORD RESIDUAL PRESSURE (GAUGE READING BELOW CHECK VALVE): _____ PSI <input type="checkbox"/> RECORD PITOT PRESSURE: _____ PSI
100	<input type="checkbox"/> CLOSE FDC BYPASS VALVE.
110	<input type="checkbox"/> DISCONNECT FIRE HOSE FROM FDC OUTLET.

Work Order Details // 20120336296 - JUNE 2012: 905A:FIRE SPRINKLER: RP BACKFLOW PREVENTER Z-6 PM

Task IDs

Task ID	Description
---------	-------------

120 REINSTALL FDC.

130 VERIFY/RECORD INFORMATION.
 MANUFACTURER: _____

 MODEL: _____

 SERIAL NO.: _____

 SIZE: _____

 PHYSICAL LOCATION: _____

140 FLUSH TEST PORTS (TP) - TEST PREPARATION.
 OPEN TP4, FLUSH, LEAVE OPEN
 OPEN TP1, FLUSH, CLOSE
 OPEN TP2, FLUSH, CLOSE
 OPEN TP3, FLUSH, CLOSE
 CLOSE TP4

150 CHECK VALVE #1, PSID APPARENT READING (AR).
 FULLY OPEN BLEED VALVES
 CLOSE CONTROL VALVES
 CONNECT HIGH SIDE HOSE TO TP2
 CONNECT LOW SIDE HOSE TO TP3
 FULLY OPEN TP3 (SLOWLY)
 FULLY OPEN TP2 (SLOWLY)
 CLOSE HIGH SIDE BLEED VALVE (SLOWLY)
 GAUGE READING RISES
 CLOSE LOW SIDE BLEED VALVE (SLOWLY)
 GAUGE READING FALLS
 CLOSE SHUT OFF VALVE #2.
 RECORD CHECK VALVE #1 AR: _____ PSID

COMMENTS _____

IF THE AR IS < 5.0 PSID, IMMEDIATELY CONTACT PLANNER TO HAVE A PMR CREATED TO MAKE IMMEDIATE REPAIRS.

Work Order Details // 20120336296 - JUNE 2012: 905A:FIRE SPRINKLER: RP BACKFLOW PREVENTER Z-6 PM

Task IDs

Task ID Description

- 160
 - RELIEF VALVE (RV) OPENING POINT.
 - OPEN HIGH SIDE CONTROL VALVE (AT LEAST ONE TURN)
 - OPEN LOW SIDE CONTROL VALVE (CRACKED)
 - RECORD RV OPENING POINT: _____ PSID
 - CLOSE LOW SIDE CONTROL VALVE

COMMENTS _____

IF THE RV OPENING POINT IS < 2.0 PSID, IMMEDIATELY CONTACT PLANNER TO HAVE A PMR CREATED TO MAKE IMMEDIATE REPAIRS.

-
- 170
 - CHECK VALVE #2 CLOSED TIGHT IN REVERSE FLOW.
 - CONNECT HOSE FROM BY-PASS CONTROL VALVE TO TP4
 - OPEN BY-PASS CONTROL VALVE (AT LEAST ONE TURN)
 - LOOSEN TP4 HOSE CONNECTION, BLEED AIR, & TIGHTEN
 - OPEN LOW SIDE BLEED VALVE, THEN CLOSE
 - ZONE PRESSURE REESTABLISHED
 - GAUGE READING CLOSE TO AR
 - OPEN TP4
 - CHECK VALVE #2 CLOSED TIGHT (GAUGE HOLDS STEADY)

-
- 180
 - CHECK VALVE #1 PSID CONFIRMED READING (CR):
 - OPEN LOW SIDE BLEED VALVE, THEN CLOSE
 - ZONE PRESSURE REESTABLISHED
 - GAUGE READING CLOSE TO AR
 - RECORD CHECK VALVE #1 CR: _____ PSID
 - CLOSE ALL TPS.
 - REMOVE ALL HOSES
 - FULLY OPEN BLEED VALVES
 - CLOSE CONTROL VALVES

COMMENTS _____

IF THE CR IS < 5.0 PSID, IMMEDIATELY CONTACT PLANNER TO HAVE A PMR CREATED TO MAKE IMMEDIATE REPAIRS.

Work Order Details // 20120336296 - JUNE 2012: 905A:FIRE SPRINKLER: RP BACKFLOW PREVENTER Z-6 PM

Task IDs

Task ID	Description
---------	-------------

- 190
- CHECK VALVE #2 PSID.
 - CONNECT HIGH SIDE HOSE TO TP3
 - CONNECT LOW SIDE HOSE TO TP4
 - FULLY OPEN TP4 (SLOWLY)
 - FULLY OPEN TP3 (SLOWLY)
 - CLOSE HIGH SIDE BLEED VALVE (SLOWLY)
 - GAUGE READING RISES
 - CLOSE LOW SIDE BLEED VALVE (SLOWLY)
 - GAUGE READING FALLS
 - RECORD CHECK VALVE #2: _____ PSID

COMMENTS _____

IF CHECK VALVE #2 IS < 1.0 PSID, IMMEDIATELY CONTACT PLANNER TO HAVE A PMR CREATED TO MAKE IMMEDIATE REPAIRS.

- 200
- TECHNICIAN SELF CHECK.
 - RECORD THE DIFFERENCE BETWEEN CR & AR
- (CR MINUS AR): _____ - _____ = _____
- CR AR PSID

COMMENTS _____

IF CR MINUS AR IS > 1.0 PSID, IMMEDIATELY CONTACT PLANNER TO HAVE A PMR CREATED TO MAKE IMMEDIATE REPAIRS.

- 210
- DETERMINE BUFFER.
 - RECORD BUFFER (CR MINUS RV) OPENING
- POINT: _____ - _____ = _____
- CR RV PSID

COMMENTS _____

IF CR MINUS RV IS < 3.0 PSID, IMMEDIATELY CONTACT PLANNER TO HAVE A PMR CREATED TO MAKE IMMEDIATE REPAIRS.

- 220
- COMPLETE TEST.
 - OPEN SHUT OFF VALVE #2
 - CLOSE ALL TPS
 - REMOVE ALL HOSES
 - OPEN ALL GAUGE VALVES

Work Order Details // 20120336296 - JUNE 2012: 905A:FIRE SPRINKLER: RP BACKFLOW PREVENTER Z-6 PM

Task IDs

Task ID	Description
---------	-------------

GENERAL INSTRUCTIONS:
FOWARD FLOW TEST ON 6585 RISERS REQUIRES (4) PEOPLE DUE TO LOCATION OF RISRES AND BY-PASS VALVES

FOR COMPLETION OF THIS WORK PACKAGE, ENSURE REQUIRED SIGNATURES HAVE BEEN OBTAINED, EACH STEP HAS BEEN COMPLETED AND CHECK BOXES () MARKED, & A VALUE HAS BEEN ENTERED IN ALL VALUE FIELDS ().

FOR ISSUES PREVENTING COMPLETION OF THIS WORK PACKAGE (EXAMPLE: SAFETY OR ACCESS ISSUES) SUBMIT THE INCOMPLETE WORK PACKAGE TO YOUR SUPERVISOR FOR FURTHER GUIDANCE.