Arkansas Nuclear One - Administrative Services
Document Control
Wednesday, July 09, 2003

Document Update Notification

COPYHOLDER NO: **103**

TO: **ANO-NRC (EMERGENCY RESPONSE COORD.) - WASHINGTON**

ADDRESS: **OS-DOC CNTRL DESK MAIL STOP OP1-17 WASHINGTON DC 20555-DC**

DOCUMENT NO: **OP-1903.021**

TITLE: **NORAM NATURAL GAS LINE RUPTURE**

CHANGE NO: **006-01-0**

ADDITIONAL INFO:

☒ ← ***If this box is checked, please sign, date, and return within 5 days.***

☐ *ANO-1 Docket 50-313*

☐ *ANO-2 Docket 50-368*

Signature Date

SIGNATURE CONFIRMS UPDATE HAS BEEN MADE

RETURN TO:

ATTN: DOCUMENT CONTROL-(N-ADMIN-24)
ARKANSAS NUCLEAR ONE
1448 SR 333
RUSSELLVILLE, AR 72801

A045

ENTERGY OPERATIONS INCORPORATED
ARKANSAS NUCLEAR ONE

TITLE: NORAM NATURAL GAS LINE RUPTURE SET # 103	DOCUMENT NO. 1903.021	CHANGE NO. 006-01-0
	WORK PLAN EXP. DATE N/A	TC EXP. DATE N/A
	SAFETY-RELATED ☒YES ☐NO	IPTE ☐YES ☒NO
	TEMP ALT ☐YES ☒NO	

When you see these ***TRAPS***	Get these ***TOOLS***
Time Pressure	Effective Communication
Distraction/Interruption	Questioning Attitude
Multiple Tasks	Placekeeping
Overconfidence	Self Check
Vague or Interpretive Guidance	Peer Check
First Shift/Last Shift	Knowledge
Peer Pressure	Procedures
Change/Off Normal	Job Briefing
Physical Environment	Coaching
Mental Stress (Home or Work)	Turnover

VERIFIED BY	DATE	TIME

FORM TITLE:	FORM NO.	CHANGE NO.
VERIFICATION COVER SHEET	1000.006A	050-00-0

ENTERGY OPERATIONS INCORPORATED
ARKANSAS NUCLEAR ONE

TITLE: NORAM NATURAL GAS LINE RUPTURE	DOCUMENT NO. 1903.021	CHANGE NO. 006-01-0

AFFECTED UNIT: ☒ UNIT 1 ☒ UNIT 2 | ☒ PROCEDURE ☐ ELECTRONIC DOCUMENT ☐ WORK PLAN, EXP. DATE _____ | SAFETY-RELATED ☒ YES ☐ NO

TYPE OF CHANGE:
☐ NEW ☒ PC ☐ TC ☐ DELETION
☐ REVISION ☒ EZ EXP. DATE: _____

DOES THIS DOCUMENT:

1. Supersede or replace another procedure? (If YES, complete 1000.006B for deleted procedure.) (0CAN058107) ☐ YES ☒ NO
2. Alter or delete an existing regulatory commitment? (If YES, coordinate with Licensing before implementing.) (0CNA128509)(0CAN049803) ☐ YES ☒ NO
3. Require a 50.59 review per LI-101? (See also 1000.006, Attachment 15) (If 50.59 evaluation, OSRC review required.) ☐ YES ☒ NO
4. Cause the MTCL to be untrue? (See Step 8.5 for details.) (If YES, complete 1000.009A) (1CAN108904, 0CAN099001, 0CNA128509, OCAN049803) ☐ YES ☒ NO
5. Create an Intent Change? (If YES, Standard Approval Process required.) ☐ YES ☒ NO
6. Implement or change IPTE requirements? (If YES, complete 1000.143A. OSRC review required.) ☐ YES ☒ NO
7. Implement or change a Temporary Alteration? (If YES, then OSRC review required.) ☐ YES ☒ NO

Was the Master Electronic File used as the source document? ☒ YES ☐ NO

INTERIM APPROVAL PROCESS

ORIGINATOR SIGNATURE: (Includes review of Att. 13) DATE:
Print and Sign name: PHONE #:

SUPERVISOR APPROVAL:* N/A DATE:

SRO UNIT ONE :** N/A DATE:

SRO UNIT TWO:** DATE:

Interim approval allowed for non-intent changes requiring no 50.59 evaluation that are stopping work in progress.
Standard Approval required for intent changes or changes requiring a 50.59 evaluation.
*If change not required to support work in progress, Department Head must sign.
**If both units are affected by change, both SRO signatures are required. (SRO signature required for safety related procedures only.)

OSRC CHAIRMAN/TECHNICAL REVIEWER: (0CNA049312) DATE: 7/1/03

FINAL APPROVAL: Robert Holyfield for S. Cotton Date: 6/24/03

REQUIRED EFFECTIVE DATE: 7-9-03

STANDARD APPROVAL PROCESS

ORIGINATOR SIGNATURE: (Includes review of Att. 13) DATE: 6-19-03
Print and Sign name: Roger Freeman PHONE #: 4994

INDEPENDENT REVIEWER: Robert L. Fowler DATE: 6/23/03

ENGINEERING: N/A DATE:

QUALITY: N/A DATE:

UNIT SURVEILLANCE COORDINATOR (0CNA049803): N/A DATE:

SECTION LEADER: Robert Holyfield DATE: 6/24/03

QUALITY ASSURANCE: N/A DATE:

OTHER SECTION LEADERS: N/A DATE:

OTHER SECTION LEADERS: DATE:

OTHER SECTION LEADERS: DATE:

OTHER SECTION LEADERS: DATE:

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FORM TITLE: PROCEDURE/WORK PLAN APPROVAL REQUEST	FORM NO. 1000.006B	CHANGE NO. 051-00-0

ENTERGY OPERATIONS INCORPORATED
ARKANSAS NUCLEAR ONE

TITLE:NORAM NATURAL GAS LINE RUPTURE	DOCUMENT NO. 1903.021	CHANGE NO. 006-01-0

☒PROCEDURE ☐WORK PLAN, EXP. DATE_____ PAGE 1 OF 1

☐ ELECTRONIC DOCUMENT

TYPE OF CHANGE:

☐ NEW ☒ PC ☐ TC ☐ DELETION

☐ REVISION ☒ EZ EXP. DATE:_____

AFFECTED SECTION: (Include step # if applicable)	DESCRIPTION OF CHANGE: (For each change made, include sufficient detail to describe reason for the change.)
Step 7.3.2 page 3	Added option 2 to telephone number to reflect the answering machines option to report a gas line rupture.
Step 7.3.5 Page 3	Changed Shift Superintendent to Shift Manager to reflect current title. No 50.59 required as per LI-101.

FORM TITLE:	FORM NO.	CHANGE NO.
DESCRIPTION OF CHANGE	1000.006C	050-00-0

PROC./WORK PLAN NO.	PROCEDURE/WORK PLAN TITLE:	PAGE: 1 of 3
1903.021	NORAM NATURAL GAS LINE RUPTURE	CHANGE: 006-01-0

1.0 PURPOSE

The purpose of this procedure is to describe the actions to be taken if the 10-inch NORAM natural gas line that traverses the site ruptures or a leak is discovered.

2.0 SCOPE

This procedure is limited to response to NORAM natural gas line rupture due to the nature of the follow-up actions. The precautions, symptoms and immediate actions may apply to situations involving other gaseous fuels.

The NORAM gas line crosses Entergy property approximately 200 feet southwest of the Unit II cooling tower and crosses the Unit 1 discharge canal. The line is 10 inches in size and carries 475 psig to 500 psig gas pressure.

3.0 REFERENCES

3.1 References Used in Procedure Preparation:

3.1.1 Arkansas Nuclear One Unit 1 and Unit 2 Final Safety Analysis Reports.

3.1.2 Emergency Plan.

3.2 REFERENCES USED IN CONJUNCTION WITH THIS PROCEDURE:

3.2.1 1903.010, "Emergency Action Level Classification"

3.2.2 1903.011, "Emergency Response/Notifications"

3.3 RELATED ANO PROCEDURES:

None

3.4 REGULATORY CORRESPONDENCE CONTAINING NRC COMMITMENTS WHICH ARE IMPLEMENTED IN THIS PROCEDURE:

None

4.0 DEFINITIONS

None

5.0 RESPONSIBILITY AND AUTHORITY

As described in Sections 7.2 and 7.3.

6.0 LIMITS AND PRECAUTIONS

6.1 There should be no smoking or other open flames in the vicinity of the leak.

6.2 Leaking natural gas could be ignited by the corona on electric transmission lines or by automobile engine spark leaks.

7.0 INSTRUCTIONS

7.1 SYMPTOMS

7.1.1 Small Gas Leaks

A. Dead Grass

B. Ground cracked and gray in color

C. Bubbles in wet places

D. Bubbles toward the end of the discharge canal

E. Gaseous Odors

7.1.2 Large Gas Leaks

A. Audible sound ranging in magnitude from a hissing sound to a roar.

B. Hole in the ground with blowing dust and other debris.

7.2 IMMEDIATE ACTIONS

7.2.1 Personnel should immediately extinguish all smoking materials and exit the area by the most direct means.

7.2.2 Personnel should immediately notify either Control Room of the leak and remain available to prevent unsuspecting persons from approaching the area.

7.3 FOLLOW-UP ACTIONS

7.3.1 Control room personnel should announce the following message on the public address system:

MESSAGE: "Attention all personnel! Attention all personnel! A NORAM Natural Gas Line Rupture has occurred in the ...(location)... due to ...(nature of rupture)... All personnel stay clear of the area."

7.3.2 The Control Room should notify the NORAM Energy Corporation by telephone as follows: 1-800-230-8004 - option 2

7.3.3 Shift operations personnel not involved with controlling the emergency should report to the Control Room.

7.3.4 The notified Shift Superintendent should designate personnel to cordon off the area, maintain surveillance and warn others that may approach the affected area.

7.3.5 The Shift Manager shall declare a Notification of Unusual Event Emergency Class if a plant evacuation is required as a result of the release as required by procedure 1903.010, "Emergency Action Level Classification".

8.0 ATTACHMENTS AND FORMS

None