

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**

ADPS

ENTERGY OPERATIONS INCORPORATED ARKANSAS NUCLEAR ONE

TITLE: NORAM NATURAL GAS LINE RUPTURE

DOCUMENT NO.
1903.021

CHANGE NO.
006-01-0

WORK PLAN EXP. DATE
N/A

TC EXP. DATE
N/A

SET # **103**

SAFETY-RELATED
☒ YES ☐ NO

IPTE
☐ YES ☒ NO

TEMP ALT
☐ YES ☒ NO

When you see these **TRAPS**

Get these **TOOLS**

Time Pressure
Distraction/Interruption
Multiple Tasks
Overconfidence
Vague or Interpretive Guidance
First Shift/Last Shift
Peer Pressure
Change/Off Normal
Physical Environment
Mental Stress (Home or Work)

Effective Communication
Questioning Attitude
Placekeeping
Self Check
Peer Check
Knowledge
Procedures
Job Briefing
Coaching
Turnover

VERIFIED BY

DATE

TIME

FORM TITLE:

VERIFICATION COVER SHEET

FORM NO.
1000.006A

CHANGE NO.
050-00-0

Page 1

CHANGE NO.
006-01-0

SAFETY-RELATED
☒ YES ☐ NO

EXP. DATE: _____

☐ YES ☒ NO

☒ YES ☐ NO

STANDARD APPROVAL PROCESS

DATE:

CHANGE NO.
051-00-0

**ENTERGY OPERATIONS INCORPORATED
ARKANSAS NUCLEAR ONE**

TITLE: NORAM NATURAL GAS LINE RUPTURE

DOCUMENT NO.
1903.021

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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:

DESCRIPTION OF CHANGE

FORM NO.
1000.006C

CHANGE NO.
050-00-0

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

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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."

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- 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