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TITLE:Evacuation		PROC/WORK PLAN I 1903.030	1	: NO. 24-01-0
⊠PROCEDURE	□WORK PLAN, EXP. DATE	N/A_	PAGE 1	_ OF_1_
TYPE OF CHANGE: NEW Procedure or Work Pla	☐ REVISION ☐ PC	TC EXP. DATE: N/	DELETION	l
AFFECTED SECTION: (Include step # if applicable)	DESCRIPTION OF CHANGE: (For each reason for the change.)	h change made, include	e sufficient detai	to describe
Section 4.11	Added sentence "If necessary, Initial A	ccountability may be per	formed at any ti	me."
Section 5.3	Added "or Plant Evacuation".			
Section 6.2.3	Added 2 steps for the disposition of per	sonnel for Exclusion Are	ea Evacuation.	
Section 6.3.1	Added NOTE "If necessary, Initial Acco	ountability may be perfor	med at any time	, ^M
Section 6.3.1 D	Added "or Plant Evacuation".			
1903.030 B, Section 2 Step 1	Changed wind direction degrees and e	vacuation routes.		
1903.030 B, Section 2 Step 8.2	Added 2 steps for the disposition of per	rsonnel for Exclusion Are	ea Evacuation.	
FORM TITLE:	DESCRIPTION OF CHANGE		FORM NO. 1000.006C	CHANGE NO. 047-04-0

PROC./WORK PLAN NO. 1903.030

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1.0 PURPOSE

The purpose of this procedure is to provide the symptoms for which a Localized Evacuation, Plant Evacuation, Exclusion Area Evacuation, or an Offsite Evacuation should be declared and the subsequent actions to be taken by plant personnel.

2.0 SCOPE

This procedure is applicable to emergency situations involving Unit One and/or Unit Two.

3.0 REFERENCES

- 3.1 REFERENCES USED IN PROCEDURES PREPARATION:
 - 3.1.1 Emergency Plan
 - 3.1.2 ANO Security Plan and Procedures
 - 3.1.3 E-27 Sheets 1-4, "Schematic Diagram for the Evacuation Warning System"
 - 3.1.4 E-427, Sheets 1-7, "Schematic Diagram for the Evacuation Warning System"
- 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"
 - 3.2.3 1043.034, "Security at ANO and the EOF During an Emergency"
 - 3.2.4 1904.XXX, "Offsite Dose Projections Series"
 - 3.2.5 1903.064, "Emergency Response Facility Control Room"
 - 3.2.6 1903.065, "Emergency Response Facility Technical Support Center (TSC)"
 - 3.2.7 1903.066, "Emergency Response Facility Operational Support Center (OSC)"
 - 3.2.8 1903.067, "Emergency Response Facility Emergency Operations Facility (EOF)"
 - 3.2.9 1903.077, "U.S. Army Corps of Engineers"
- 3.3 RELATED ANO PROCEDURES:
 - 3.3.1 1903.023, "Personnel Emergency"
 - 3.3.2 1903.034, "Emergency Operations Facility Evacuation"

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- REGULATORY CORRESPONDENCE CONTAINING NRC COMMITMENTS WHICH ARE IMPLEMENTED IN THIS PROCEDURE, [BOLD] DENOTES COMMITMENTS:
 - 3.4.1 OCAN078609, (P-4405), Step 6.3.2.
 - 3.4.2 OCAN128211, (P10858), Sections 6.5.4 A-L

4.0 DEFINITIONS

- Protected Area: The area encompassed by physical barriers (i.e., the security fence) and to which access is controlled.
- 4.2 Exclusion Area: That area surrounding ANO within a minimum radius of 0.65 miles of the reactor buildings, but outside the protected area and controlled to the extent necessary by ANO during periods of emergency.
- Localized Evacuation: The orderly withdrawal of all personnel from selected areas within the protected area. The area selected for a localized evacuation should have well defined boundaries and be easily controllable (e.g., Unit 1 and/or Unit 2 Auxiliary Buildings, Radwaste Building, Hydrogen Storage Area, etc.).
- 4.4 <u>Plant Evacuation</u>: The orderly withdrawal of all personnel from the protected area except for those personnel required to respond to the situation.
- 4.5 Exclusion Area Evacuation: The orderly withdrawal of personnel from that portion of the Exclusion Area which is affected by an emergency condition as described in Section 6.1.3
- 4.6 Offsite Evacuation: The orderly withdrawal of personnel from that portion of the area outside of the Arkansas Nuclear One Exclusion Area which is affected by an emergency condition as described in Section 6.1.4.
- 4.7 Immediate Evacuation: The immediate and orderly withdrawal of all personnel from the affected Emergency Response Facility.
- 4.8 <u>Precautionary Evacuation</u>: A multi-stage evacuation of personnel located within an Emergency Response Facility.
- 4.9 <u>Technical Support Center (TSC)</u>: The emergency response center located on the third floor of the ANO Administration Building which is equipped with instrumentation, communication systems, and facilities useful in monitoring the course of an accident.
- 4.10 Operational Support Center (OSC): The emergency response center within the ANO Maintenance Facility where support is coordinated for the following functions:

Onsite Radiological Monitoring Maintenance Nuclear Chemistry Emergency Medical Support Fire Fighting Support

The OSC serves as the assembly point and briefing area for repair and damage control teams.

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- Initial Accountability: Measures to account for all individuals remaining onsite after the declaration of a Site Area or General Emergency, or Plant Evacuation. The objective is to ascertain the names of missing individuals within 30 minutes following the declaration of a SAE or GE, or Plant Evacuation. If necessary, Initial Accountability may be performed at any time.
- 4.12 <u>Continuous Accountability</u>: Measures to maintain accountability for all individuals remaining onsite following a plant evacuation.
- Atkins Emergency Worker Center: Emergency Center located at the Atkins High School. The center will be activated at the declaration of an Alert by the Arkansas Department of Health (ADH). The center is for use by ANO and ADH emergency workers following an evacuation of the plant site.

5.0 RESPONSIBILITY AND AUTHORITY

The TSC Director (or the affected unit's Shift Superintendent if the TSC Director is not available) is responsible for declaring a Localized, Plant, or Exclusion Area Evacuation when any of the symptoms contained in Sections 6.1.1, 6.1.2, or 6.1.3 are detected.

The TSC Director and/or Radiation Protection and Radwaste Manager should ensure that evacuated personnel are monitored (i.e., via portal monitors or manual frisking) prior to their release from the site.

- Arkansas Department of Health (ADH) personnel are responsible for implementing an Offsite Evacuation. This shall be accomplished in accordance with the Protective Action Guidelines contained in the State of Arkansas Emergency Operations Plan, Annex V, "Arkansas Nuclear One Radiological Incident Response Plan". The individual responsible for Emergency Direction and Control (i.e., the Shift Superintendent, TSC Director, or Emergency Operations Facility Director) is responsible for recommending an Offsite Evacuation in accordance with Procedure 1903.011, "Emergency Response/Notifications", Attachment 6.
- The Security Shift Commander is responsible to provide <u>initial</u> accountability information to the TSC Support Superintendent. This information should be available within 30 minutes following a declaration of a Site Area or General Emergency, or Plant Evacuation.
- The TSC Support Superintendent is responsible to ensure that continuous accountability stations are established (control rooms, Maintenance Facility, and Admin. building) and results reported to the TSC Director.
- 5.5 Emergency Response Organization (ERO) Personnel who remain onsite following a plant evacuation are responsible to carry out instructions for initial and continuous accountability as described in section 6.3 of this procedure.

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6.0 INSTRUCTIONS

6.1 INITIATING CONDITIONS

NOTE

If releases of radioactivity are in progress or suspected, the 1904.XXX, "Offsite Dose Projections Series" procedures should be utilized to assess the potential doses. Once the doses have been assessed, a determination can be made as to whether or not the conditions warrant the declaration of an emergency class and the subsequent recommendation of protective actions for onsite and offsite personnel.

6.1.1 Localized Evacuation

- A. A localized evacuation will be initiated if any condition exists which in the opinion of the TSC Director (or the affected unit's Shift Superintendent if the TSC Director is not available) may pose a threat to the health and safety of plant workers. The area selected for evacuation should have well defined boundaries and be easily controllable.
- B. If the threat extends beyond a localized area, then consideration should be given for a Plant, Exclusion Area and/or Offsite Evacuation.

6.1.2 Plant Evacuation

The principal consideration when contemplating a Plant Evacuation is the safety of plant personnel.

A plant evacuation shall be considered in response to the following conditions:

- A. Declaration of a Site Area Emergency or General Emergency. Go to procedure 1903.011. Use Forms 1903.011 P, Q, R, S, T or U.
- B. HP survey results indicate that general area radiation levels outside of a Radiologically Controlled Area exceed 2.5 mRem/hr, which is attributed to a loss of control of radioactive material and the hazard is not confined to a well-defined area.
- C. HP air sample results indicate that unevaluated airborne radioactivity exceeds 9E-10 uCi/cc, which is attributed to a <u>loss of control</u> of radioactive material and the hazard is not confined to a welldefined area.
- D. An uncontrolled toxic gas leak exists (originating either on-site or off-site) and the hazard is not confined to a well-defined area.

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The decision to evacuate non-essential personnel or retain them on-site should be based on the course of action which presents the minimum risk to employees (except for SAE or GE). Examples of extenuating conditions that may result in deciding against a plant evacuation are:

- An ongoing security threat within the protected area (consult with the Security Shift Commander to aid in determining the safest course of action).
- Inclement weather (e.g., Tornado, high winds, hazardous road conditions may preclude a safe evacuation of plant personnel).
- Radiological hazards exist. (Determine which action would result in lower dose to nonessential personnel).

6.1.3 Exclusion Area Evacuation

- A. An exclusion area evacuation shall be initiated if HP survey results indicate that general area radiation levels exceed 2.5 mREM/hr within the Exclusion Area.
- B. An exclusion area evacuation shall be initiated if personnel within the Exclusion Area could receive an exposure to a toxic gas (e.g., transportation accident involving truck, rail, or barge).

6.1.4 Offsite Evacuation

An Offsite Evacuation shall be recommended in accordance with Procedure 1903.011, "Emergency Response/Notifications", Attachment 6.

6.1.5 EOF Evacuation

See Procedure 1903.034, "Emergency Operations Facility Evacuation".

6.2 IMMEDIATE ACTIONS

6.2.1 Localized Evacuation

A. If the conditions listed in section 6.1.1 are observed, then a localized evacuation of the affected area(s) should be considered.

Use Form 1903.030C, "Localized Evacuation Checklist", to perform a localized evaluation.

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- B. A brief description of the control room handswitch settings for the Evacuation Alarm System is outlined below:
 - 1. Unit 1 Three (3) position handswitch
 - a. REAC. BLD. Activates the Unit 1 Reactor Building Alarm System only
 - b. OFF Deactivates the Evacuation Alarm System
 - c. PHY. PLT. Activates the Evacuation Alarm System for the entire physical plant including surrounding buildings located within the protected area.
 - 2. Unit 2 Four (4) position handswitch
 - OFF Deactivates the Evacuation Alarm System
 - b. CTMT Activates the Unit 2 Reactor Building Alarm system only
 - c. CTMT AUX Activates only the Unit 2 Reactor Building and Unit 2 portion of the Auxiliary Building Alarm System
 - d. PLANT Activates the Evacuation Alarm System for the entire physical plant including surrounding buildings located within the protected area.

6.2.2 Plant Evacuation

- A. Use Form 1903.030B, "Plant Evacuation Checklist", to determine if a plant evacuation is advisable. For a plant evacuation based on a declaration of a SAE or GE, use forms 1903.011 P, Q, R, S, T, or U.
- B. Shift Operations personnel on duty should report to the Control Room. Shift Operations personnel not on duty (training/support) should report to the OSC Assembly Area (located in the Maintenance Facility) and report to the OSC Director.
- C. The following groups should immediately report to their designated emergency work location and notify their immediate supervisor of their location for accountability purposes.
 - Emergency Response Organization (ERO) personnel (EOF, TSC and OSC staff).

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- 2. All other shift personnel (affected unit Maintenance personnel, Nuclear Chemistry personnel, Health Physics personnel, etc.) should report to the OSC Assembly Area (located in the Maintenance Facility).
- D. Maintenance personnel from the unaffected unit who are neither a part of the OSC staff or are not assigned a position or task in the Emergency Response Organization, should report to the EOF and standby for instructions (See Procedure 1903.067, "Emergency Response Facility - Emergency Operation Facility (EOF)", for assembly location.)
- E. IF the hazard extends beyond the protected area,

 THEN consider initiating an Exclusion Area Evacuation and/or recommending an evacuation (and/or sheltering) of offsite areas.

6.2.3 Exclusion Area Evacuation

- A. <u>IF</u> either of the conditions listed in section 6.1.3 are detected,

 THEN an exclusion area evacuation should be initiated.
- B. Coordinate with Security Personnel for the evacuation and control of the affected area(s) within the exclusion area (including the Generation Support Building).
 - Plant personnel located within the exclusion area that are not a part of the ERO shall be evacuated to the Atkins Emergency Workers Center during radiological events or as directed by Security for all other hazards (e.g., toxic gas event).
 - Engineering personnel located in the GSB should be directed by Security to report to the EOF.
- C. Contact the U.S. Army Corps of Engineers to request that boat access to the portions of Lake Dardanelle within the exclusion area be controlled.
- D. Make the following announcement over the plant (dial 197) and EOF (dial 199 and pause approx. 15 sec.) PA system.
 - "Attention all personnel. Attention all personnel. Due to (state reason) security will be restricting access to (state area). All personnel avoid this (these) area(s) until further notice.
- E. IF the hazard extends beyond the exclusion area,
 THEN consideration should be given for recommending an evacuation (and/or sheltering) of offsite areas.

6.2.4 Offsite Evacuation

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Refer to Procedure 1903.011, "Emergency Response/ Notifications", Attachment 6, to determine the appropriate offsite Protective Action Recommendation (PAR).

6.3 ACCOUNTABILITY

6.3.1 Initial Accountability

NOTE

If necessary, Initial Accountability may be performed at any time.

- A. The objective of <u>Initial Accountability</u> is to ascertain the names of missing individuals within 30 minutes following the declaration of a Site Area or General Emergency, or Plant Evacuation.
- B. Plant evacuees are accounted for as they exit the plant and are logged offsite by the security computer.
- C. Emergency response personnel who remain onsite are required to log in at the nearest security card reader using the special accountability code <u>0000</u>.
- D. A list of missing individuals will be generated by the security computer based upon information acquired through steps 6.3.1.B and 6.3.1.C above. This list shall be available no later than 30 minutes following the declaration of a Site Area or General Emergency, or Plant Evacuation.
- E. The TSC Director shall initiate search and rescue efforts to locate missing personnel identified by the security computer.

[6.3.2 Continuous Accountability

- A. Personnel who remain onsite following a plant evacuation are to be accounted for on a continuous basis throughout an emergency.
- B. Continuous Accountability control points shall be established at entry/exit points to the Administration Building, Maintenance Facility and Control Rooms.
- C. Personnel entering or leaving the Administration Building, Maintenance Facility, or Control Rooms are responsible to record their relocation on Form 1903.030A, "Onsite Continuous Accountability Log".

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D. Accountability information for onsite personnel who are not assembled in the Administration Building, Maintenance Facility or Control Rooms can be obtained from the ERO member responsible for that particular task as described in section B of the Emergency Plan and the Emergency Response Facility Procedures - 1903.064, 1903.065, 1903.066 and 1903.067 (e.g., information on Nuclear Chemistry personnel can be obtained from the Nuclear Chemistry Manager.)

Additional information for onsite personnel, including their department and the individual responsible for them while onsite, can be obtained through the Support Manager.]

6.4 FOLLOW-UP ACTIONS

- 6.4.1 Determine if any Emergency Action Level criteria have been exceeded. (Refer to 1903.010, "Emergency Action Level Classification")
- 6.4.2 Personnel (other than emergency response personnel) in the Controlled Access Areas should proceed to the Controlled Access exit points and monitor themselves, if possible, or follow HP instructions at the Controlled Access exit points prior to exiting.
- 6.4.3 Personnel other than the on-site emergency response personnel should:
 - A. Proceed to the nearest guard station, or the guard station designated in the plant evacuation announcement,
 - B. Log out of the plant and retain both their security badge and TLD, and
 - C. Proceed to the Atkins Emergency Worker Center (see Attachment 3).
- 6.4.4 Security personnel should implement evacuation and personnel accountability measures per Procedure 1043.034, "Security at ANO and the EOF During an Emergency".
- 6.4.5 If there are personnel unaccounted for following a plant evacuation, the Shift Superintendent/TSC Director shall initiate a search for personnel who are unaccounted for.
- When conditions have been determined to no longer require evacuation, the TSC Director (or the affected unit's Shift Superintendent if the TSC Director is not available) may terminate the localized, exclusion area and/or plant evacuation. Termination of evacuations involving offsite areas must be coordinated with ADH personnel.

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The Technical Support Center (TSC) and the Operational Support Center (OSC) are normally not evacuated in the event of a Plant Evacuation. The Onsite Radiological Monitoring Section of the Emergency Radiation Team shall monitor radiation levels while the centers remain occupied. However, if the following symptoms are observed in the TSC or OSC, actions should be taken in accordance with Sections 6.5.2 and 6.5.3.

6.5.1 Symptoms

- A. Area radiation levels above 2.5 mRem/hr.
- B. Unevaluated airborne radioactivity >9E⁻¹⁰ μCi/cc.

6.5.2 Immediate Action

- A. Notify the TSC Director (or the affected unit's Shift Superintendent if the TSC Director is not available) of the above condition(s).
- B. The TSC Director (or the affected unit's Shift Superintendent if the TSC Director is not available) should determine if the condition warrants further protective actions in accordance with Section 6.5.3. Attachment 1 is provided for action guidance.

6.5.3 Follow-Up Actions

- A. The Onsite Radiological Monitoring Section of the Emergency Radiation Team should increase surveillance of airborne radioactivity to <u>once per hour</u>.
- B. The Onsite Radiological Monitoring Section of the Emergency Radiation Team should determine the <u>dose rates</u> in the area approximately <u>every 15 minutes</u>. Projected personnel accumulated doses should be evaluated and appropriate stay times should be established.

NOTE

If necessary, additional respiratory protection equipment should be obtained from the Onsite Radiological Monitoring Section of the Emergency Radiation Team.

- C. If the iodine concentration exceeds $2.7E^{-9}$ $\mu\text{Ci/cc}$, an occupancy log must be kept to record DAC hours. If the iodine concentration exceeds 4 DAC ($8.0E^{-8}$ $\mu\text{Ci/cc}$), respiratory protection or evacuation is required.
- D. If the radiation level is greater than 100 mRem/hr but less than 1 Rem/hr:
 - 30 minutes may be allowed to determine if the condition is temporary or long-term.
 - If it is determined that the condition is temporary, evaluate the projected personnel accumulated dose.

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- 3. If it is determined that the condition is longterm, a precautionary evacuation of the TSC and/or OSC is required.
- E. If radiation levels reach 1 Rem/hr, immediate evacuation of the TSC and/or OSC is required.
- F. If the TSC and/or OSC is/are evacuated, personnel should relocate to the EOF (use west end, ground floor entrance).

NOTE

After relocation to the Secondary TSC or OSC, Emergency Team Leaders are responsible for reporting accountability of team personnel to their supervisors. Each TSC or OSC staff person is responsible for reporting to his or her supervisor. Each manager shall report accountability information to the TSC Support Superintendent.

- G. If the TSC or OSC is evacuated, security personnel should implement evacuation and personnel accountability measures per Procedure 1043.034. "Security at ANO and the EOF During an Emergency".
- H. Accountability results of emergency personnel should be reported to the TSC Director at the EOF, or to the Shift Superintendent if the TSC Director cannot be readily contacted.

NOTE

INFORMATION CONTAINED WITHIN THE SYMBOLS (*) IS PROPRIETARY OR PRIVATE INFORMATION

- The Security Shift Commander, except for Control Room personnel, should be the last to exit the plant to assure security and accountability actions have been completed. They should advise the Shift Superintendent of the affected unit upon their exit of the plant.*
- J. When a TSC or OSC evacuation is declared, the TSC Director (or the affected unit's Shift Superintendent if the TSC Director is not available) should consider the need for an Exclusion Area Evacuation per Section 6.1.3 if not already declared.

[6.5.4 Immediate Evacuation of TSC/OSC

- A. The TSC Director should verify the need for and declare an <u>immediate</u> evacuation of the TSC or OSC when symptoms occur which require such action per Section 6.5.3.E.
- B. The TSC Director should contact the Main Guard Station and the Shift Superintendent to advise that an immediate evacuation has been declared.
- C. The TSC Director should ensure that an evacuation announcement is made over the Public Address System,

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and the plant evacuation alarm is sounded. The TSC Director should determine, at his discretion, the affected personnel to whom the announcement applies.

NOTE

The evacuation announcement should state: "An immediate evacuation of Technical Support Center (and/or Operational Support Center) personnel has been declared. (Affected personnel) implement evacuation procedures. (Affected personnel) relocate to the EOF via (designated evacuation route)." (This announcement and the evacuation alarm should be repeated two times).

- D. All TSC or OSC personnel should gather essential materials (e.g. log books, status sheets, drawings inuse, etc.) and equipment (e.g. SCBA's, survey meters, protective clothing, etc.) and evacuate their respective areas without delay.
- E. Prior to his relocation to the Secondary TSC, the TSC Director may, at his discretion, transfer his duties to the following individual who will function as interim TSC Director:
 - If the Emergency Operations Facility is not activated, the Shift Superintendent of the affected unit may temporarily assume the TSC Director duties; or
 - 2. If the Emergency Operations Facility is operational, then a turnover of emergency functions to the EOF Director shall be performed in accordance with procedure 1903.065.
- F. After transferring these duties to the appropriate individual, the TSC Director should evacuate in accordance with Section 6.5.3.I.
- G. Upon arrival at the Secondary TSC, the TSC Director should establish communications with the interim TSC Director to receive a status update and to reassume TSC Director duties.
- H. Emergency response personnel should report to their preassigned work areas in the EOF, unless directed otherwise, (see Procedure 1903.067, "Emergency Response Facility - Emergency Operations Facility (EOF)", for room assignments).
- The TSC Director should ensure that the NRC and State authorities are advised of the relocation to and operational status of the Secondary TSC and/or OSC.
- J. The TSC Director should advise the Shift Superintendent when the Secondary TSC is operational.
- K. The TSC Director (or the affected unit's Shift Superintendent if the TSC Director is not available) must approve reentry into the plant until the evacuation is terminated.

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L. When the plant is determined to have returned to a condition where the TSC or OSC evacuation is no longer required, the TSC Director (or the affected unit's Shift Superintendent if the TSC Director is not available) may terminate the TSC or OSC evacuation.]

6.5.5 Precautionary Evacuation of TSC/OSC

- A. The TSC Director should verify the need for and declare a precautionary evacuation of the TSC and/or OSC when symptoms occur which require such action per Section 6.5.3.C and/or 6.5.3.D.
- B. The TSC Director should contact the Main Guard Station and Shift Superintendent and advise them that a precautionary evacuation has been declared.
- C. The TSC Director should ensure that an evacuation announcement is made over the Public Address System, and the plant evacuation alarm is sounded. The TSC Director should determine, at his discretion, the affected personnel to whom the announcement applies.

NOTE

The evacuation announcement should state: "A Precautionary Evacuation of Technical Support Center (and/or Operational Support Center) personnel has been declared. (Affected personnel) implement evacuation procedures.

(Affected personnel) relocate to the EOF via (designated evacuation route)."

(This announcement and the evacuation alarm should be repeated two times.)

- D. All TSC and/or OSC personnel shall gather necessary materials (e.g. log books, status sheets, drawings inuse, etc.) and equipment (e.g. SCBA's, survey meters, protective clothing, etc.) and evacuate their respective areas as instructed by the TSC Director per Section 6.5.5.E.
- E. A precautionary evacuation of the TSC or OSC should be accomplished by relocating a primary and a secondary group of emergency response personnel as identified in Attachment 2, or as otherwise designated by the TSC Director. The secondary TSC or OSC group should evacuate first; the primary group should evacuate upon the direction of the TSC Director, if practical after the secondary group is in place at the EOF. *Security personnel will normally evacuate with the primary group*.
- F. Prior to his relocation to the Secondary TSC, the TSC Director may, at his discretion, transfer his duties to the following individual who will function as interim TSC Director:
 - Shift Superintendent, as deemed necessary if the TSC Director is in a situation such that he could not perform TSC Director duties during the TSC to Secondary TSC transition, and if the EOF is not activated; or

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- 2. EOF Director, if EOF is activated.
- G. After transferring these duties to the appropriate individual, the TSC Director and the primary TSC group should evacuate in accordance with Section 6.5.3.I.
- H. Upon arrival at the Secondary TSC, the TSC Director should establish communications with the interim TSC Director to receive a status update and to reassume TSC Director duties.
- I. Emergency response personnel should report to their preassigned work areas in the EOF, unless directed otherwise. (See procedure 1903.067, "Emergency Response Facility - Emergency Operations Facility (EOF)" for room assignments.)
- J. The TSC Director should ensure that the NRC and State Emergency Operation Centers are advised of the relocation to and operational status of the Secondary Technical/Operational Support Center(s).
- K. The TSC Director should advise the Shift Superintendent when the Secondary TSC is operational.
- L. The TSC Director (or the affected unit's Shift Superintendent if the TSC Director is not available) must approve reentry into the plant until the evacuation is terminated.
- M. When the plant is determined to have returned to a condition where the plant evacuation is no longer required, the TSC Director may terminate the plant evacuation.

6.6 EOF EVACUATION

See Procedure 1903.034, "Emergency Operations Facility Evacuation"

6.7 ROAD BLOCKS

Road blocks restricting access to ANO should be manned by at least one ANO Security Officer. The ANO Security Officer should be capable of making radio contact with the Security Shift Commander. The Security Shift Commander shall obtain verbal approval from the Shift Superintendent/TSC Director or the EOF Director before allowing passage of individual(s) who are not part of the response organization.

7.0 ATTACHMENTS AND FORMS

7.1 ATTACHMENTS

PROC./WORK PLAN NO.	PROCED	PROCEDURE/WORK PLAN TITLE:		16 of 27		
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	7.1.1	Attachment 1 - Technical and Operational Support Center Evacuation Decision Flow Chart				
	7.1.2	Attachment 2 - TSC-OSC Precautionary Evac Primary/Secondary Group Assignments	uation			
	7.1.3	Attachment 3 - Directions to Atkins Emerge	ency Work	er Center		
7.2	FORMS					
	7.2.1	Form 1903.030A - Onsite Accountability				
	7.2.2	Form 1903.030B - Plant Evacuation Checkli	st			
	7.2.3	Form 1903.030C - Localized Evacuation Che	cklist			

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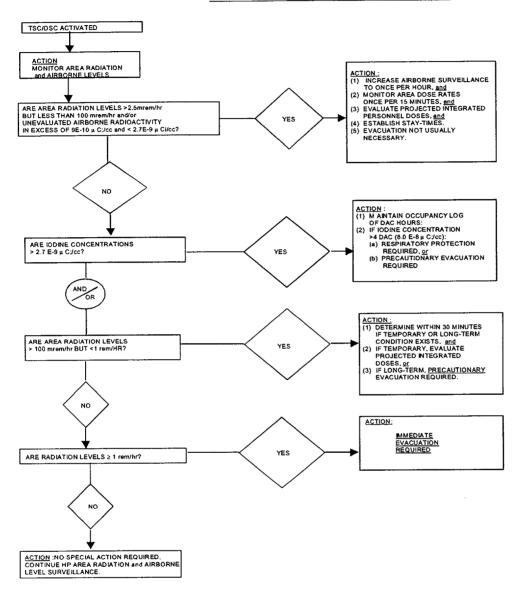
CHANGE:

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ATTACHMENT 1

Technical and Operational Support Center

Evacuation Decision Flow Chart



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ATTACHMENT 2

TSC/OSC Precautionary Evacuation

Primary/Secondary Group Assignments

(Note: TSC Director may alter assignments as he deems

necessary)

Technical Support Center:

Secondary ____ Primary Operations Manager TSC Director Maintenance Manager Engineering Manager Radiation Protection and Radwaste Manager TSC Support Superintendent Assistants/Communicators USNRC Personnel Operational Support Center:

> Secondary Primary

As determined by the TSC Director

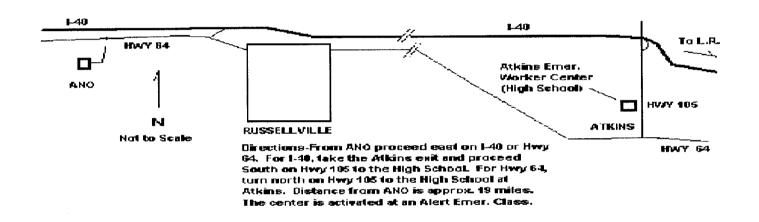
- Minimal staffing for a re-1. covery team, considering ongoing or short term repair requirements, and to include at least one HP and one medical team member.
- Minimal security personnel as recommended by the Security Shift Supervisor/ Security Coordinator.

All OSC personnel not designated by the TSC Director to remain onsite.

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ATTACHMENT 3

Directions to Atkins Emergency Worker Center



Location:	Unit 1 Control Room	Unit 2 Control Room
	Admin Building	Maintenance Facility

	ERO EXIT ESTIMATED			ACTUAL	
NAME	POSITION	TIME	DESTINATION	RETURN TIME	RETURN TIME
WHIL	1 20222000				
		,			
			-		
					}
		<u> </u>			1

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ONSITE CONTINUOUS ACCOUNTABILITY LOG	1903.030A	024-01-0

	NOTE This checklist contains three (3) sections.
Plant Evacuation	MOTE due to a declared SAE or GE is addressed in 1903.011, Forms 1903.011 P, Q, R, S, T, or U.

SHIFT SUPERINTENDENT IMPLEMENTATION OF CHECKLIST

- IF you have Emergency Direction and Control, and a SAE or higher GE has not been declared,
 THEN complete Sections 1, 2 and 3 of this checklist.
- IF the TSC Director or EOF Director has Emergency Direction and Control, THEN complete Section 3 only, as instructed by the TSC Director,.

TSC DIRECTOR IMPLEMENTATION OF CHECKLIST

- IF you or the EOF Director have Emergency Direction and Control, and a SAE or higher GE has not been declared,
 THEN complete Sections 1 and 2.
- IF you decide to evacuate the plant, THEN direct the Shift Superintendent to complete Section 3.

11	ien dir	eect the Billic Superincendence to comprise Section .								
		SECTION 1 - EVACUATION DETERMI	NATION							
1.	1. Determine if any <u>Initiating Condition</u> is present:									
	1.1	Site Area Emergency or General Emergency declared (see note above).	Yes (GO T 1903 No (GO TO							
	1.2	HP survey results indicate that general area radiation levels outside of a Radiologically Controlled Area exceed 2.5 mRem/hr?	Yes (GO TO	0 step 2) step 1.3)						
	1.3	HP air sample results indicate unevaluated airborne radioactivity exceeds 9E-10 μCi/cc?	Yes (GO TO	O step 2) step 1.4)						
	1.4		Yes (GO T No (EXIT check	this						
2.	Deter evacu	mine if any Extenuating Conditions exist which mig ees to a higher risk to personnel safety:	tht subject							
	2.1	An ongoing security threat within the protected a	irea?	Yes No						
	2.2	Inclement weather exists?		Yes No						
·	2.3	Radiological or Hazardous Materials conditions ex	xist?	☐ Yes ☐ No						
3.	3. <u>IF</u> NONE of the extenuating conditions in Step 2 are present, GO TO Section 2.									
FORM TITL	FORM TITLE: PLANT EVACUATION CHECKLIST FORM NO. 1903.030B REV. 024-01-0									

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4.	and the extenuating conditions in Step 2.	conditions in Step 1
	Will a plant evacuation present a higher risk to personnel than having them remain onsite?	Yes (GO TO step 5)
	to personnel than having them remain onsite:	☐ No (GO TO Section 2)
	·	

5. Periodically monitor and re-evaluate the conditions which prompted the potential evacuation.

END OF SECTION 1

SECTION 2 - EVACUATION PREPARATION

This section is used to prepare for a plant evacuation.

1.	Determine	the	approp	riat	e evad	cuation	routes	based	on	symptoms	and	wind
	direction											

		-			
<u>IF</u> wir	nd dire	ection is From:	Then use Evacuation Routes		
			☐ 1 and 3 ☐ 2 and 3 ☐ 1, 2, and 3 ☐ 1		
Check	the ap	propriate routes in the plant	announcement, step 1 of section 3.		
2.	Determine any areas of the plant to avoid during evacuation. (This may include either guard station), and any special protective measures to be taken by plant evacuees. Include this information in the evacuation announcement (section 3, step 1).				
	Plant	areas to avoid/protective mea	sures (or none):		
		· -			
3.	Direct	Security to perform the foll	owing:		
	3.1	If necessary, open and $\mbox{\tt man}$ th conditions allow).	e secondary guard station (if radiological		
	3.2	Perform initial accountabilit	у.		
4.	Contac	et Health Physics:			
	4.1	Request HP coverage at the pl	ant exit portal monitors.		
	4.2	Instruct HP personnel at the decontamination and radiation to expedite evacuation of the	controlled access exit point to relax protection measures as necessary in order controlled access area.		
5.	IF you	are the SHIFT SUPERINTENDENT Section 3.	,		
6.	IF you	are the TSC DIRECTOR , perform the following:			
	6.1	Direct the Shift Superintende Section 3 of this checklist t announcement and sounding the	nt of the affected control room to refer to o coordinate making the evacuation evacuation		
	6.2	Tell the Shift Superintendent protective actions to be take	the evacuation route(s) and any special n by plant evacuees.		

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Direct the ERO staff to log in at a security card reader using "0000".

7.

- 8. IF the incident extends into an Exclusion Area Evacuation, THEN perform the following:
 - 8.1 Request that the U.S. Army Corps of Engineers (Emergency Telephone Directory, Section 6) control boat access to the portions of Lake Dardanelle within the exclusion area.
 - 8.2 Direct Security to evacuate the Generation Support Building (GSB) and all buildings outside the security fence but within the exclusion area.
 - 8.2.2 Security shall direct personnel who are not a part of the ERO to evacuate to the Atkins Emergency Workers Center during radiological events or as directed by Security for all other hazards (e.g., toxic gas event).
 - 8.2.3 Engineering personnel located in the GSB should be directed by Security to report to the EOF.

Performed by:			Date:	
	Shift Sunt	☐ TSC Director		

END OF SECTION 2

SECTION 3 - EVACUATION ANNOUNCEMENT

This section contains tasks that should be completed from the Control Room.

1.	Make the	e following announcement usi	ng the plant paging	system (dial 197):		
	"Attent:	on all personnel. Attention	n all personnel. A p	lant evacuation has		
	been dec	clared. All emergency respo	nse and emergency st	andby personnel report		
	to your	assembly areas immediately	All other personne	l evacuate the plant		
	using ev	vacuation routes	and pr	oceed to Atkins		
	Emergen	cy Worker Center."				
	If neces	ssary, include in the announ ive actions to be taken by p	cement any plant are lant evacuees:	as to avoid, or special		
3.	Sound tl	ne plant evacuation alarm fo	or approximately 10 s	econds.		
4.	Repeat the announcement at least 2 times, alternating the announcement with the plant evacuation alarm.					
5.	Instruct control room personnel from both units to log in to the designated security card reader using "0000".					
6.		TSC Director or EOF Director ip steps 7 and 8.	has Emergency Direc	tion and Control,		
7.	Direct	the ERO staff to log in at a	a security card reade	r using "0000".		
8.	<u>IF</u> the <u>THEN</u> pe	incident extends into an Extraorm the following:	clusion Area Evacuati	on,		
	8.1	Request that the U.S. Army Directory, Section 6) cont Dardanelle within the excl	rol boat access to tl	(Emergency Telephone ne portions of Lake		
	8.2	Direct Security to evacuat all buildings outside the area.	e the Generation Supp security fence but w	port Building (GSB) and ithin the exclusion		
Perfo	ormed by:			Date:		

END OF SECTION 3

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	NOTE This checklist contains two (2) sections.
SHI	FT SUPERINTENDENT IMPLEMENTATION OF CHECKLIST
• THE	IF you have Emergency Direction and Control, N complete Sections 1 and 2 of this checklist. IF the TSC Director or EOF Director has Emergency Direction and Control, THEN complete Section 2 only, as instructed by the TSC Director.
TSC	DIRECTOR IMPLEMENTATION OF CHECKLIST
• THE	IF you or the EOF Director have Emergency Direction and Control, N complete Section 1. IF you decide a localized evacuation is necessary, THEN direct the Shift Superintendent to complete Section 2.
	SECTION 1 - EVACUATION DETERMINATION
1.	Does any condition exist which, in your opinion, presents a threat to the health and safety of plant personnel? Yes (GO TO step 2) No (EXIT this checklist)
	NOTE The area selected for evacuation should have well-defined boundaries and be easily controllable.
2.	Determine the area of the plant to be evacuated.
	Area to be evacuated:
3.	Determine any area(s) of the plant to avoid during the localized evacuation.
	Area(s) to be avoided (or none):
4.	Determine any special protective measures which should be taken by evacuees.
	Special protective measures (or none):
5.	<pre>IF you are the SHIFT SUPERINTENDENT, GO TO Section 2.</pre>
6.	<pre>IF you are the TSC DIRECTOR, THEN perform the following:</pre>
	6.1 Direct the Shift Superintendent of the affected unit to refer to Section 2 of this checklist to coordinate the evacuation announcement and alarm.
	6.2 Tell the Shift Superintendent the area to be evacuated and any special protective actions to be taken by evacuees.
Per	formed by: Date:
	☐ Shift Supt. ☐ TSC Director END OF SECTION 1
RM T	TTLE: FORM NO. REV.
	LOCALIZED EVACUATION CHECKLIST 1903.030C 024-01-0

SECTION 2 - EVACUATION ANNOUNCEMENT

This	section contains tasks that should be completed from the Control Room.
1.	Determine which portion, if any, of the plant evacuation alarm system to activate:
	UNIT 1:
	UNIT 2:
2.	Make the following announcement using the plant paging system (dial 197):
	"Attention all personnel. Attention all personnel. Due to
	(state reason) all personnel evacuate
	(state area to evacuate). All
	other personnel continue normal activities until instructed otherwise."
	If necessary, include in the announcement any special protective actions to be taken by plant evacuees:
	Special protective actions (or none):
3.	Sound the selected portion, if any, of the plant evacuation alarm for approximately 10 seconds.
4.	Repeat the announcement at least 2 times, alternating the announcement with the selected portion, if any, of the plant evacuation alarm.
	END OF SECTION 2
Perf	ormed by: Date:
	(signature)

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LOCALIZED EVACUATION CHECKLIST	1903.030C	024-01-0