

UNC RECOVERY SYSTEMS

RR 70-820



Division of United Nuclear Corporation
A **UNC RESOURCES** Company

One Narragansett Trail
Wood River Junction, Rhode Island 02894

Telephone 401 364-7701

RJG 79 - 136
May 21, 1979

U. S. Nuclear Regulatory Commission
Mr. B. Manili
Physical Security Licensing Branch
Division of Safeguards
Washington, D. C. 20555



Dear Barry:

Enclosed are the changes to our contingency and training plans pursuant to your request.

Sincerely,

R. J. Gigliotti
R. J. Gigliotti
Manager, Security

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SAFEGUARDS CONTINGENCY PLAN

PAGE 3-9

DATE 2/19/79

REVISION Rev 1

3.2 UNC Fuel Recovery Operation Facility Description

The United Nuclear Corporation Recovery Operation plant site is located on an 1100 acre tract in Southwest Rhode Island. The property is only partially used and the remainder serves as a buffer from outside traffic. One paved semi-private road provides access to the Plant from the village of Wood River Junction which is approximately one mile from the Plant site.

The Plant site is bounded on the east by Indian Cedar Swamp (State controlled); on the north by approximately 3/4 mile of Company-owned woods; the west by the Pawcatuck river and the Penn Central railroad; and the south by Indian Cedar Creek and Kings Factory Road.

The facility consists of two major buildings, one of which houses the office and processing area. The other is used primarily for receiving and storage. Other lesser buildings include a neutron activation test facility in the north yard, an incinerator building in the east yard, and two smaller storage buildings in the south yard.

The general Plant site is flat terrain with no trees within 100 feet of the buildings. Landscaping is limited to lawn shrubs and hedges.

A more detailed description of facility and security areas can be found in Section 2 of the UNC FRO Physical Plant Protection Plan.

The following pages include a plant layout and a map of the area around the plant annotated with LLE locations.

AERIAL PHOTO

DELETED

(per B. MANILI, USNRC, 5/15/79 - Hb)

POOR ORIGINAL

REV	ITEM	MAJOR ACTIONS AND DECISIONS	CONTINGENCY RESPONSIBILITY TASKING PER PERSON OR ORGANIZATION			
			PCAS (POST A)	SAS (POST B)	ROVING/RESPONSE GD.	
1	7-1	Action-Respond and investigate	Action-Deploy response guard	N/A	Take Action-Respond and report secure area as required	
1	7-2	Action-Compile all pertinent information	Take Action Compile information	Take Action Supply PCAS with any pertinent information	Take Action Supply PCAS with any pertinent information	
1	7-3	Decision P7-1 Is this situation of such a nature that the guard force should be alerted?	Make Decision (min)	N/A	N/A	
1	7-4	Action-Reassess the situation. Deploy additional guards if necessary	Take Action Monitor, direct and coordinate as requested	Be advised	Be advised and take action as directed by PCAS	
1	7-5	Action-Assemble CMT and review information (if time permits)	N/A	N/A	N/A	
1	7-6	Decision P7-2 Is sufficient data available to determine the situation serious?	Make Decision (min) if time is critical	N/A	N/A	
1	7-7	Decision P7-3 Is the threat situation serious?	Make Decision (min) if time is critical	N/A	N/A	
1	7-8	Next Step: If serious,	go to P17, 18, 19, or 20 and go to Secou Red.			
REV	DATE	THREAT SITUATION NO.	P7 (Orange)	RESPONSE OBJECTIVE	ORGANIZATIONAL LEVEL	PAGE
1	2/19/79	POSSIBLE PENETRATION DETECTED BY PCAS		DETERMINE MAGNITUDE OF DANGER	GUARDS	4-33

RESPONSIBILITY MATRIX

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REV	ITEM	MAJOR ACTIONS AND DECISIONS	CONTINGENCY RESPONSIBILITY TASKING PER PERSON OR ORGANIZATION			
			DEPARTMENTS	MANAGEMENT/CMT	LAW ENFORCEMENT	
1	11-6	Action-Recheck reconstructed records	MGR, Quality Assurance, Senior Quality Assurance Engineer and NRC Material Control Personnel Take Action Re-examine situation	Be advised of on-going activity by Quality Assurance DEPT	N/A	
1	11-7	Action-Convvene CMT and go over situation	All DEPT managers Take Action to attend. MGR, Quality Assurance- Call CMT and brief.	General MGR Take Action Chair the CMT	N/A	
1	11-8	Decision P11-3 Is a special inventory required?	N/A	CMT Make Decision (norm & minimum)	N/A	
1	11-9	Action-Conduct a special inventory	MGR, Quality Assurance Take Action Direct inventory activity	CMT-Be advised of inventory progress	N/A	
1	11-10	Action-Reconvvene CMT and go over any new data	All DEPT managers Take Action to attend. MGR, Quality Assurance call CMT and brief.	General MGR Take Action Chair the CMT	N/A	
1	11-11	Decision P11-4 Is this a serious situation suggesting a theft attempt or cover up?	N/A	CMT Make Decision (norm & minimum)	N/A	
1	11-12	Next Step: If serious, go to P21.				
REV	DATE	THREAT SITUATION NO.	P11(YELLOW)	RESPONSE OBJECTIVE	ORGANIZATIONAL LEVEL	PAGE
1	2/19/79	MATERIAL CONTROL AND ACCOUNTING RECORDS DAMAGED		DETERMINE THE POSSIBILITY OF THEFT	DEPARTMENTS, MGT LAW ENFORCEMENT	4-59

RESPONSIBILITY MATRIX

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REV	ITEM	MAJOR ACTIONS AND DECISIONS	CONTINGENCY RESPONSIBILITY TASKING PER PERSON OR ORGANIZATION		
			CONTRACT SHIFT SUPRV	SEC. MGT. REP.	MANAGER, SECURITY
1	18-11	Action - Instruct employees.	Take Action-Assist in instructing employees as directed by SMR.	Take Action to instruct employees on what to do.	Take Action-Supervise instructions for security.
1	18-12	Decision P18-3 Should processes and controls be modified?	N/A	If situation escalates rapidly on off shifts, Make Decision (MIN).	Recommend modifications to Dept. Mgrs.
1	18-13	Action - Modify processes and controls.	N/A	N/A	N/A
1	18-14	Decision P18-4 Should special safety precautions be taken?	N/A	Make Decision (MIN)	N/A
1	18-15	Action - Coordinate safety activity.	N/A	N/A	Take Action to effect security measures consistent with safety requirements
1	18-16	Action - Commence hostage negotiations.	N/A	N/A	Take Action to ensure safety of negotiator. Advise LLEA when arrives.
1	18-17	Action - Maintain public/crowd control.	Take Action-Supervise Response Guards on perimeter.	Take Action-Monitor crowd activity.	Take Action to keep public off plant.
1	18-18	Action - Take real time actions as necessary.	Take Action to keep guards coordinated.	Take Action to coordinate all security activity.	Take Action to coordinate LLEA activity.
1	18-19	Next Step: P19 if adversaries escape; P22 if sabotage occurs.			
REV	DATE	THREAT SITUATION NO. P18 (Red)	RESPONSE OBJECTIVE	ORGANIZATIONAL LEVEL	PAGE
1	2/19/79	SITE PENETRATED/OCCUPIED BY ADVERSARIES	PREVENT THEFT/SABOTAGE	SECURITY DEPARTMENT	4-96

RESPONSIBILITY MATRIX

REV	ITEM	MAJOR ACTIONS AND DECISIONS	CONTINGENCY RESPONSIBILITY TASKING PER PERSON OR ORGANIZATION		
			DEPARTMENTS	MANAGEMENT/CMT	LAW ENFORCEMENT
1	18-1	Action - Notify all security personnel. Inc. alert status.	Take Action when advised of Secon Red.	General Mgr. Take Action to coordinate with Security.	N/A
1	18-2	Action - Notify LLEA.	N/A	N/A	RISP /Others Take Action to respond when called.
1	18-3	Action - Notify FBI and R.I.S.P.	N/A	N/A	Take Action-request FBI or RISP if applicable.
1	18-4	Action - Notify Operations and Process personnel.	N/A	General Mgr. Coordinate with Operations Manager.	N/A
1	18-5	Action - Notify, assemble and brief CMT.	All Dept. Managers Take Action to attend CMT meeting.	CMT Take Action-Assemble & implement emergency plans and special instructions.	N/A
1	18-6	Action - Augment the guard force.	N/A	CMT be advised by SMR.	N/A
1	18-7	Action - Deploy the guard force.	N/A	CMT be advised by SMR.	N/A
1	18-3	Decision P18-1 Should the hostage negotiators be alerted?	N/A	N/A	N/A
1	18-9	Action - Notify hostage negotiators.	N/A	N/A	LLEA be advised of decision by Mgr. Sec. Contact LLEA negotiators.
1	18-10	Decision P18-2 Should the employees be given special instructions?	Manager, Quality Assurance, and Manager, Operations provide input to Security.	CMT be advised by Mgr. Sec.	N/A
REV	DATE	THREAT SITUATION NO. P18 (Red)	RESPONSE OBJECTIVE	ORGANIZATIONAL LEVEL	PAGE
1	2/19/79	SITE PENETRATED/OCCUPIED BY ADVERSARIES	PREVENT THEFT/SABOTAGE	DEPARTMENTS, MGT., & LAW ENFORCEMENT	4-97

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RESPONSIBILITY MATRIX

REV	ITEM	MAJOR ACTIONS AND DECISIONS	CONTINGENCY RESPONSIBILITY TASKING PER PERSON OR ORGANIZATION		
			CONTRACT SHIFT SUPRV	SEC. MGT. REP. .	MANAGER, SECURITY
1	20-1	Action - Assemble all evidence and information.	Take Action-Aid Mgr Sec. in collecting information.	Take Action-Aid Mgr. Sec. in collecting information.	Take Action-Assemble all evidence & info pertaining to theft.
1	20-2	Action - Restore security integrity and increase alert status.	Take Action - Position guard force personnel per PCD.	Take Action-Restore security integrity. Direct alert activity.	N/A
1	20-3	Action-CMT Meeting.	N/A	N/A	Take Action - Call CMT meeting. Bring evidence and brief.
1	20-4	Action - Request additional security guards.	Take Action - Coordinate schedule for additional guards. Instruct CAS to call up guards.	Take Action - Instruct Contract S.S. to bring on additional guards.	Take Action to direct force augmentation as necessary.
1	20-5	Action - Report situation to authorities.	N/A	Take Action to call if directed by Manager, Security	Take Action - Give order to CAS, SMR to notify R.I.S.I/ FBI/Other as required.
1	20-6	Decision P20-1 Should quick inventory and item count be conducted?	N/A	N/A	Make Decision (MIN)
1	20-7	Action - Conduct preliminary inventory.	N/A	N/A	N/A
REV	DATE	THREAT SITUATION NO. P20 (Red)	RESPONSE OBJECTIVE	ORGANIZATIONAL LEVEL	PAGE
1	2/19/79	PHYSICAL EVIDENCE/CLUES OF UNDETECTED INTRUSION/THEFT	DETERMINE IF SNM IS STOLEN	SECURITY DEPARTMENT	4-110

RESPONSIBILITY MATRIX

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REV	ITEM	MAJOR ACTIONS AND DECISIONS	CONTINGENCY RESPONSIBILITY TASKING PER PERSON OR ORGANIZATION		
			DEPARTMENTS	MANAGEMENT/CMT	LAW ENFORCEMENT
1	20-1	<u>Action</u> - Assemble all evidence and information.	N/A	N/A	N/A
1	20-2	<u>Action</u> - Restore security integrity and increase alert status.	All - Take Secon Red measures.	General Manager <u>Take Action</u> when advised.	N/A
1	20-3	<u>Action</u> -CMT Meeting.	N/A	<u>Take Action</u> -General Manager or most senior manager chair meeting. Review evidence and info.	N/A
1	20-4	<u>Action</u> - Request additional security guards.	N/A	N/A	N/A
1	20-5	<u>Action</u> - Report situation to authorities.	N/A	General Manager <u>Take Action</u> to confer with Mgr. Sec. to involve LLEA.	R.I.S.P.- <u>Take Action</u> Respond with investigative force; broadcast situation as required.
1	20-6	<u>Decision</u> P20-1 Should quick inventory and item count be conducted?	N/A	CMT - <u>Make Decision</u> (NORM)	N/A
1	20-7	<u>Action</u> - Conduct preliminary inventory.	<u>Take Action</u> - Dept. Managers conduct preliminary inventory.	N/A	N/A
1	20-8	<u>Decision</u> P20-2 Should material processes be stopped or modified?	Manager, Q. A. <u>Make Decision</u> (MIN)	CMT <u>Make Decision</u> (NORM)	N/A
REV	DATE	THREAT SITUATION NO. P20 (Pcd)	RESPONSE OBJECTIVE	ORGANIZATIONAL LEVEL	PAGE
1	2/19/79	PHYSICAL EVIDENCE/CLUES OF UNDETECTED INTRUSION/THEFT	DETERMINE IF SNM IS STOLEN	DEPARTMENTS, MGT., & LAW ENFORCEMENT	4-112

RESPONSIBILITY MATRIX

- (5) Picking up and carrying 50 pounds for 25 feet
- (6) Dragging 100 pounds for 10 feet

(All of the above to be performed within a thirty-minute time period.)

Individuals whose security tasks and job duties are directly associated with the effective implementation of the Physical Security and Contingency Plans shall have no physical weaknesses or abnormalities that would adversely affect their performance of assigned security duties, as judged by the Manager, Security.

1.3.1.5 Requalification

At least once during every 12 months period, all security personnel will be required to meet the medical and physical fitness qualifications as prescribed by Appendix B Part 73 and in accordance with this plan.

1.3.1.6 Documentation

The results of suitability, mental, medical, and physical tests will be maintained for each individual until he (she) requalification results will be maintained. All documentation shall be attested to by a Supervisor, Security.

1.3.1.7 Contract Security Personnel

Contract, as well as Recovery Systems security personnel, are subject to the provisions of this plan.

1.3.2 General Training and Qualifications

1.3.2.1 Qualification

Each security person will successfully complete written examinations and an end-of-course examination prior to graduation from the training program. After graduation, the individual will

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All of the above subjects will be taught by or verified by a UNC Security Representative. Other Recovery Systems personnel may instruct in their areas of expertise.

Each individual will have successfully completed (with at least a 70% grade) all examinations prior to graduation from the training program.

Any individual who has demonstrated an expertise or sufficient experience in a specific field may be exempted, in writing, from such instruction by the Manager, Security.

1.3.2.3 Requalification and Training

At least every 12 months, all personnel will be required to successfully complete an annual qualification examination designated to test proficiency with respect to assigned duties. Refresher courses will be given as needed in those areas of demonstrated weakness.

1.3.2.4 Documentation

The results of training and qualification will be permanently maintained for each individual until requalification, at which time the latest requalification results will be maintained. All documentation shall be attested to by a Supervisor, Security.

1.3.2.5 Contract Security Personnel

Contract as well as Recovery Systems Security Personnel are subject to the requirements of the training program.

1.3.3 WEAPONS TRAINING AND QUALIFICATION

1.3.3.1 Qualification

Each security individual shall fire

The fifty second time starts with loaded gun in holster and includes reloading for the second six shot string.

Stage 4 (25 yards, double action, six shots, standing left hand from behind barricade, six shots standing right hand from behind barricade)

The one minute and 45 seconds time starts with loaded gun in holster and includes reloading for two subsequent six shot strings.

B. Semi-automatic rifle

Security personnel shall qualify annually with the semi-automatic rifle on the following prescribed course; the "B-27" target will be used. (A site-specific modification of the NRA 100 yard course.)

To qualify, the individual must place 80% of all rounds within the black silhouette.

STAGE	RANGE (YARDS)	TIME (MINUTES)	MAXIMUM SCORE
1	100	10	100
2	100	3	100
3	100	1	100
4	50	1	100

Stage 1 (100 yds, 10 shots from the prone position)

The ten minutes time starts with chamber empty.

Stage 2 (100 yds., 10 shots kneeling from behind barricade. The three minutes time starts with chamber empty.

The sixty seconds time starts with chamber empty.

Stage 4 (50 yds., 10 shots standing)

The sixty seconds time starts with chamber empty.

The prescribed course is a modification of the standard NRA 100 yard course, due to site-specific considerations.

Security personnel shall qualify annually with the shotgun on the following prescribed course using the B-27 target.

STAGE	RANGE (YARDS)	MAXIMUM POINTS	ROUNDS
1	15	36	4
2	25	36	4

Stage 1 (15 yds., one round fired at each of four separate targets from the hip)

The ten seconds time starts with chamber empty.

Stage 2 (25 yds., one round fired at each of four separate targets from the standing position)

The ten seconds time starts with empty chamber.

To qualify each individual shall be required to place 50% of all pellets (36/72) within the black silhouette.

A. Handgun

Security personnel shall familiarize annually with the handgun during the hours of darkness by firing ten rounds from the 25 yard line into the B-27 target. Light from a flashlight may be utilized.

B. Semi-Automatic Rifle

Security personnel shall familiarize annually with the rifle during the hours of darkness by firing ten rounds from the 25 yard line into the B-27 target. Subdued light may be used.

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