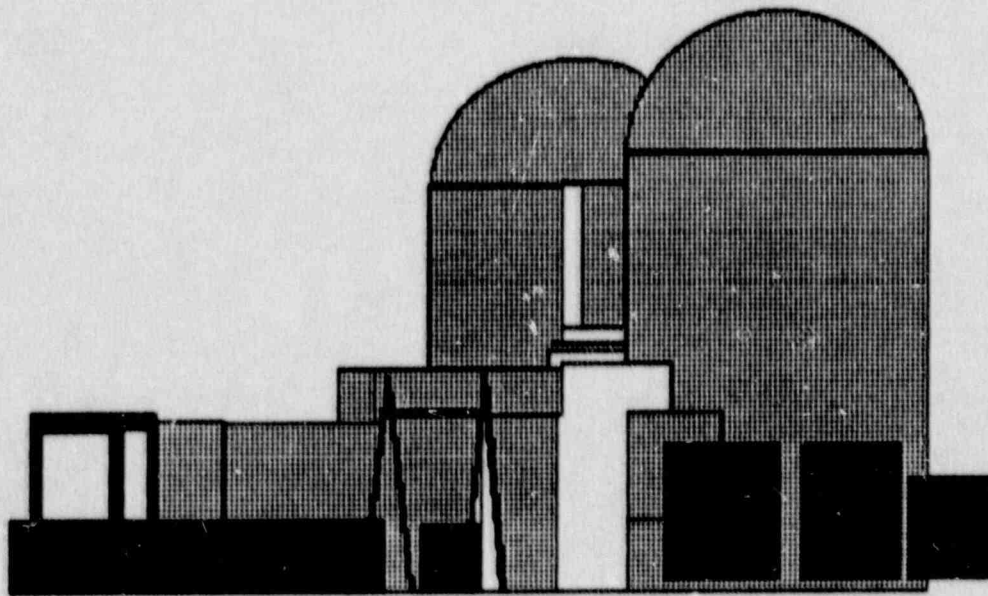


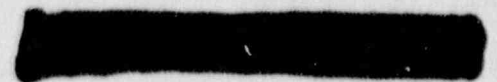
1989 Accountability/Evacuation Graded Exercise



Comanche Peak Steam Electric Station

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TEXAS UTILITIES ELECTRIC COMPANY
COMANCHE PEAK STEAM ELECTRIC STATION

1989 ACCOUNTABILITY/EVACUATION GRADED EXERCISE

SCENARIO MANUAL

1989 ACCOUNTABILITY/EVACUATION GRADED EXERCISE

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TRINITY UTILITIES ELECTRIC COMPANY
COMANCHE PEAK STEAM ELECTRIC STATION

1989 ACCOUNTABILITY/EVACUATION GRADED EXERCISE

1.0 INTRODUCTION

TUEC-89-AE

1.0 INTRODUCTION

To demonstrate the ability to implement protective actions for emergency and nonemergency organization personnel, visitors, contractors, and construction personnel at the Comanche Peak Steam Electric Station (CPSES) in the event of a radiological emergency, Texas Utilities Electric Company (TU Electric) is required to conduct an emergency preparedness exercise which tests emergency response capabilities in the areas of accountability and evacuation.

The 1989 Accountability/Evacuation Exercise will include the full evacuation of site personnel, such that the capability to respond adequately in a site evacuation from CPSES can be verified. State and local agencies will not be participating. The exercise should demonstrate that those individuals and agencies who are assigned responsibilities in a radiological emergency are adequately trained to perform according to current plans and procedures. Furthermore, this exercise will provide training, test emergency response personnel, and identify any potential problem areas in the emergency response system.

EXERCISE SCHEDULE

The 1989 Accountability/Evacuation Exercise will be held on Friday, October 27, 1989 and will begin at 1:20 p.m. in the Control Room. Upon termination of the exercise scenario activities, each controller and evaluator shall debrief the participants he/she evaluated. The results of the debriefings will be supplied to the Exercise Lead Evaluator.

PARTICIPANTS

The Technical Support Center, Operations Support Center, Control Room, and Security will participate in this exercise. The regularly scheduled Operations and Security shift complements will participate. The TSC and OSC will be staffed from the Emergency Organization Roster in positions listed in table 1.1.

SCENARIO MANUAL

This manual has been prepared to assist the exercise controllers, evaluators, and observers in the conduct and evaluation of the exercise. It contains all of the information and data necessary to properly conduct the exercise in an efficient and coordinated manner, and is organized as follows:

PART 2.0 EXERCISE OBJECTIVES AND EXTENT OF PLAY INFORMATION

This section sets forth the objectives to be met by the CPSES Emergency Organization and provides guidelines which govern the extent of "play", to be followed by the plant personnel in the conduct of the exercise.

1.0 INTRODUCTION

PART 3.0 SCENARIO

- Section 3.1 Narrative Summary & Initial Conditions - this section describes the initial plant and meteorological conditions for the exercise scenario and provides a summary of the postulated accident and anticipated responses by the CPSES Emergency Organization.
- Section 3.2 Onsite Scenario Timeline - this section describes the postulated sequence of events occurring at CPSES which will require the CPSES Emergency Organization to respond.
- Section 3.3 Onsite Exercise Guide - this section contains a summary of the onsite exercise events, messages, and expected Emergency Organization response.
- Section 3.4 Onsite Messages - this section contains the messages which will be used to control the evolution of the onsite exercise scenario.

PART 4.0 CONTROLLER/EVALUATOR INFORMATION

- Section 4.1 General Controller/Evaluator Instructions - this section provides general instructions to all controllers and evaluators.
- Section 4.2 Controller Organization and Communications Directory this section lists the controller organization by facility and provides the controller's telephone extension during the exercise.
- Section 4.3 Maps - this section contains all maps for the exercise .
- Section 4.4 Evaluation Criteria - this section contains the criteria by which CPSES response is to be evaluated.

PART 5.0 OBSERVER'S INFORMATION

This section contains a map with directions to the plant site as well as a list of local hotels and restaurants.

A copy of this manual will be provided to each each controller and evaluator and to selected observers prior to the exercise.

1.0 INTRODUCTION

TABLE 1.1 EXERCISE PARTICIPANTS

CONTROL ROOM

Shift Supervisor
Assistant Shift Supervisor
Shift Technical Advisor
Operations Advisor
Reactor Operator
Relief Reactor Operator
Control Room Communicators (2)
Auxiliary Operators (5-7)
RMS Computer Operator

TECHNICAL SUPPORT CENTER

TSC Manager
TSC Advisor
Security Advisor
Engineering Team Coordinator
Maintenance Coordinator
Onsite Radiological Assessment Coordinator (OnRAC)
Operations Coordinator
Clerks (2)
Events Recorder
HP Network Communicator
Operational Status Recorder
Radiological Status Recorder
RMS Computer Operator (2)
ENS Communicator
Engineering Team (Electrical, Mechanical, Nuclear, & Operations)

OPERATIONS SUPPORT CENTER

OSC Manager
Chemistry Supervisor/RCRA Director
Maintenance/ERDC Supervisor
Onsite Survey Teams Director
Radiation Protection Supervisor
OSC Clerks (3)
OSC Communicator
Events/ERDC Status Board Recorder
Field Team Communicator
Radiation Status Board Recorder
Chemistry Technicians (4)
Radiation Protection Technicians (9)
ERDC Teams: Electricians (2), I&C Technicians (2), Mechanics (2)
Field Team Vehicle Drivers (3)
First Aid/Rescue Team (4)

SECURITY

Security Shift Supervisor
CAS Operator
SAS Operator
Security Officers

TEXAS UTILITIES ELECTRIC COMPANY
COMANCHE PEAK STEAM ELECTRIC STATION

1989 ACCOUNTABILITY/EVACUATION GRADED EXERCISE

2.0 OBJECTIVES AND EXTENT OF PLAY

OBJECTIVE IX: PROTECTIVE RESPONSE

DEMONSTRATE THE ABILITY TO ISSUE PROTECTIVE ACTION RECOMMENDATIONS TO STATE AND LOCAL AGENCIES, AND TO IDENTIFY AND IMPLEMENT PROTECTIVE ACTIONS FOR EMERGENCY NON-EMERGENCY ORGANIZATION PERSONNEL, VISITORS, CONTRACTORS, CONSTRUCTION PERSONNEL AND OTHERS AS APPROPRIATE, IN ACCORDANCE WITH EMERGENCY PLAN PROCEDURES.

IX.A. CONTROL ROOM:

Exercise Evaluation Criterion IX.A.1

Demonstrate the ability to formulate appropriate Protective Action Recommendations and to implement them for emergency and non-emergency organization personnel, visitors, contractors, construction personnel and others as appropriate in accordance with Emergency Plan and Procedures.

IX.B. TECHNICAL SUPPORT CENTER:

Exercise Evaluation Criterion IX.B.1

Demonstrate the ability to formulate appropriate protective actions, including site evacuation and accountability, and to implement them for a representative population of emergency and non-emergency organization personnel, visitors, contractors, construction personnel and others as appropriate in accordance with Emergency Plan and Procedures.

TU EXTENT OF PLAY INFORMATION

1. In accordance with Emergency Plan Procedures, all non-TU Electric Engineering and Construction personnel will be dismissed from the site upon declaration of an "ALERT" by the Emergency Coordinator.
2. To demonstrate the ability to effect an orderly evacuation of the CPSES Site, the following process will be used:
 - a. Upon declaration of a Site Area Emergency, the Emergency Coordinator will direct Control Room personnel to announce site evacuation and sound the evacuation alarm.
 - b. There will be an actual sounding of the evacuation alarm.
 - c. All personnel subject to evacuation (and accountability) at such time as required by the scenario, will exit the protected area and the site.
 - d. In accordance with applicable procedures, Security will perform a security sweep of the Exclusion Area and notify workers and/or visitors to evacuate the area.
 - e. Evacuation shall be complete in approximately two hours.
3. To demonstrate the ability to perform personnel accountability in accordance with Emergency Plan and Procedures, the following process will be used:
 - a. Upon declaration of a Site Area Emergency, the sounding of the plant evacuation signal will commence the 30 minute accountability period. When the signal sounds, the non-essential badged individuals within the protected area not previously dismissed by the Emergency Coordinator will exit the protected area in accordance with procedures.
 - b. Security will provide a list of unaccounted for personnel within approximately 30 minutes to the Emergency Coordinator.
4. Only the Control Room, TSC, OSC, and Security will demonstrate facility personnel accountability.

5. Emergency Organization personnel will attempt to locate those personnel that are "unaccounted for" in the Protected Area.
6. Personnel in activated facilities will only demonstrate those procedures applicable to accountability and evacuation. Unrelated activities will not be performed and no operational or radiological data will be provided.
7. Evaluators will be stationed throughout the Protected Area and Exclusion Area to monitor personnel performance.
8. Evacuation of Squaw Creek Park will not be demonstrated.
9. The CPE Building (including parking lot), NOSF and Training Annex are excluded from the demonstration of evacuation since the buildings are outside the Exclusion Area. These personnel will not be allowed to enter the evacuated area.

UTILITIES ELECTRIC COMPANY
CONARCHE PEAK STEAM ELECTRIC STATION

1989 ACCOUNTABILITY/EVACUATION GRADED EXERCISE

3.1 INITIAL CONDITIONS AND NARRATIVE SUMMARY

TUEC-89-AE

Initial Conditions

Real time plant and meteorological conditions will be used for this exercise.

Narrative Summary

The exercise will begin at 1:20 p.m. (H + 00:00) with the briefing of the Shift Supervisor and the passing of message no. 1. This message instructs the Shift Supervisor to declare a Notification of Unusual Event. The NOUE should be announced via Gaitronics and key management personnel informed by telephone. No offsite communications should be made nor should any actions unrelated to accountability or evacuation be taken. The Manager, Operations or the Plant Manager may report to the Control Room at this time.

Ten minutes later the Emergency Coordinator (in the Control Room) is instructed to declare an ALERT. The Technical Support Center (TSC) and the Operations Support Center (OSC) will staff and activate. The role of Emergency Coordinator will be assumed by the TSC Manager.

The TSC and OSC will only perform those actions applicable to accountability and evacuation, i.e. logging in on form EPP-314-1 (Accountability Log). The Emergency Coordinator will at this time order the dismissal of nonessential contractor personnel. Neither the Emergency Operations Facility nor the Logistics Support Center will staff for this exercise.

Fifty minutes later the Emergency Coordinator is instructed to declare a Site Area Emergency (SAE) at 2:25 p.m. (H + 01:05). At this time a Site Evacuation will also be ordered. All nonessential personnel will leave the Exclusion Area. Emergency Organization personnel will "card" into the Accountability Keycard Readers in their facilities. The Accountability Logs (form EPP-314-1) will be picked up by security and taken to the PAP. Security will perform Accountability and an Exclusion Area sweep. Security or OSC personnel, as appropriate, will conduct a search for personnel unaccounted for after the Site Evacuation alarm is sounded.

The exercise will be terminated approximately two hours later after the objectives have been demonstrated.

UTILITIES ELECTRIC COMPANY
COMANCHE PEAK STEAM ELECTRIC STATION

1989 ACCOUNTABILITY/EVACUATION GRADED EXERCISE

3.2 ONSITE SCENARIO TIMELINE

3.2 Onsite Timeline

| TIME | INITIATING MESSAGE NUMBER | EVENT SUMMARY |
|-----------------------|---------------------------|--|
| 1:20 pm (H+00:00) | 1 | The Shift Supervisor is passed a message instructing him to declare a Notification of Unusual Event for the purposes of the exercise. |
| 1:30 pm (H+00:10) | 2 | The Emergency Coordinator in the Control Room is instructed to declare an ALERT within the next five minutes. No plant parameter data or radiological data will be supplied, however, the TSC will be informed that no radiological release is in process. |
| 2:20 pm (H+01:00) | 3 | The Emergency Coordinator in the Technical Support Center is instructed to declare a SITE AREA EMERGENCY within the next five minutes. Although no plant parameter data or radiological data is provided the TSC will be informed that no radiological release is in progress. |
| 2:35 pm (H+01:15+) | 4 | The Emergency Coordinator in the Technical Support Center is instructed to order a site evacuation if he has not already done so. |
| 4:35 pm (H+03:15+) | 5 | The exercise is terminated upon orders of the Exercise Lead Controller. |

UTILITIES ELECTRIC COMPANY
PEAK STREAM ELECTRIC STATION

1989 ACCOUNTABILITY/EVACUATION GRADED EXERCISE

3.3 ONSITE EXERCISE GUIDE

T U ELECTRIC EXERCISE DATABASE
EMERGENCY EXERCISE SCENARIO DEVELOPMENT
SUMMARY OF ANTICIPATED PLAYER RESPONSES

| Time | Message Information | Event Summary | Anticipated Response | Controller Notes |
|-----------------------|--|---|---|---|
| 1:20 pm (H+00:00) | <p>Message No: 1</p> <p>From: Ctrl Rm Evaluator</p> <p>To: Shift Supervisor</p> <p>Location: Control Room</p> | <p>The Shift Supervisor is passed a message instructing him to declare a Notification of Unusual Event for the purposes of the exercise.</p> | <p>The Shift Supervisor should comply with the instructions of the Evaluator. The Emergency Organization will not staff at this time. The Plant Manager and the Manager, Operations may report to the Control Room at this time.</p> | <p>Other than the announcement via Geitronics, no other activities will be performed. Neither plant parameter data nor radiological data will be supplied.</p> |
| 1:30 pm (H+00:10) | <p>Message No: 2</p> <p>From: Ctrl Rm Evaluator</p> <p>To: Emergency Coordinator</p> <p>Location: Control Room</p> | <p>The Emergency Coordinator in the Control Room is instructed to declare an ALERT within the next five minutes. No plant parameter data or radiological data will be supplied, however, the TSC will be informed that no radiological release is in process.</p> | <p>The Technical Support Center (TSC), and the Operations Support Center (OSC) will staff and activate. The TSC Manager will assume the role of the Emergency Coordinator. A early dismissal of construction personnel should take place at this time.</p> | <p>The construction siren will be used to dismiss construction personnel. Evaluators should be in place to monitor the early dismissal.</p> |
| 2:20 pm (H+01:00) | <p>Message No: 3</p> <p>From: TSC Evaluator</p> <p>To: Emergency Coordinator</p> <p>Location: Technical Support Center</p> | <p>The Emergency Coordinator in the Technical Support Center is instructed to declare a SITE AREA EMERGENCY within the next five minutes. Although no plant parameter data or radiological data is provided the TSC will be informed that no radiological release is in progress.</p> | <p>The Emergency Coordinator should order a Site Evacuation within the next five minutes. Additionally, accountability of personnel in the protected area will be conducted at this time. Any activities unrelated to evacuation or accountability will not be performed.</p> | <p>Evacuation and accountability is governed by EPP-314, "Evacuation and Accountability." Security procedure SEC-610 governs security response in an emergency.</p> |
| 2:35 pm (H+01:15+) | <p>Message No: 4</p> <p>From: TSC Evaluator</p> <p>To: Emergency Coordinator</p> <p>Location: Technical Support Center</p> | <p>The Emergency Coordinator in the Technical Support Center is instructed to order a site evacuation if he has not already done so.</p> | <p>The Emergency Coordinator should coordinate the conduct of the site evacuation with Security.</p> | <p>This message should only be passed if the Emergency Coordinator has not ordered a site evacuation by the time indicated.</p> |

T U ELECTRIC EXERCISE DATABASE
 EMERGENCY EXERCISE SCENARIO DEVELOPMENT
 SUMMARY OF ANTICIPATED PLAYER RESPONSES

| Time | Message Information | Event Summary | Anticipated Response | Controller Notes |
|-----------------------|--|---|--|--|
| 2:35 pm (H+01:15+) | *** CONTINUED *** | | | |
| 4:35 pm (H+03:15+) | <p>Message No: 5</p> <p>From: Ctrl Rm Evaluator</p> <p>To: All Remaining Personnel</p> <p>Location: Control Room</p> | The exercise is terminated upon orders of the Exercise Lead Controller. | Exercise evaluators should conduct a critique with Security personnel and appropriate Emergency Organization managers. | The announcement to terminate the exercise should be performed from the Control Room upon instruction by the Control Room Evaluator. |

UTILITY ELECTRIC COMPANY
CHANDLER PEAK STRAM ELECTRIC STATION

1989 ACCOUNTABILITY/EVACUATION GRADED EXERCISE

3.4 ONSITE MESSAGES

TUEC-89-AE

Revision 0

CONTROLLER INFORMATION
FOR MESSAGE NO: 1

Page 1

The message on the following page should be passed to the Shift Supervisor to initiate the exercise. No plant parameter data or radiological data will be provided. No radiological releases are in process.

(END OF INFORMATION)

TUEC-1989-AE

3.4- 1

MESSAGE NO: . . . 1 . . .

Page 1

=====

THIS IS A DRILL

=====

DO NOT initiate actions affecting normal operations!

TO: Shift Supervisor FROM: Ctrl Rm Evaluator

LOCATION: Control Room

TIME: 1:20 pm (H+00:00)

MESSAGE: Declare a Notification of Unusual Event via Gaitronics.

=====

(END OF MESSAGE)

=====

THIS IS A DRILL

=====

MESSAGE NO: 2

Page 1

=====

THIS IS A DRILL

=====

DO NOT initiate actions affecting normal operations!

TO: Emergency Coordinator FROM:Ctrl Rm Evaluator

LOCATION: Control Room

TIME: 1:30 pm (H+00:10)

MESSAGE: Declare an ALERT within the next five minutes. |

 Background Information:

 No radiological release is in progress.

=====

(END OF MESSAGE)

=====

THIS IS A DRILL

=====

MESSAGE NO: 3

Page 1

THIS IS A DRILL

DO NOT initiate actions affecting normal operations!

TO: Emergency Coordinator FROM: TSC Evaluator
LOCATION: Technical Support Center
TIME: 2:20 pm (H+01:00)
MESSAGE: Declare a Site Area Emergency within the next five
minutes.

(END OF MESSAGE)

THIS IS A DRILL

MESSAGE NO: 4C

Page 1

THIS IS A DRILL

DO NOT initiate actions affecting normal operations!

TO: Emergency Coordinator FROM: TSC Evaluator
LOCATION: Technical Support Center
TIME: 2:35 pm (H+01:15+)
MESSAGE: Order a Site Evacuation.

(END OF MESSAGE)

THIS IS A DRILL

Revision 0

CONTROLLER INFORMATION
FOR MESSAGE NO: ___ 5 ___

Page 1

The message on the following page is not to be passed until the Exercise Lead Controller has granted permission.

(END OF INFORMATION)

TUEC-1989-AE

3.4- 6

MESSAGE NO: 5

Page 1

THIS IS A DRILL

DO NOT initiate actions affecting normal operations!

TO: All Remaining Personnel FROM: Ctrl Rm Evaluator
LOCATION: Control Room
TIME: 4:35 pm (H+03:15+)
MESSAGE: The exercise is terminated. All security personnel
and evaluators should return for a debriefing in the PAP
classroom.

(END OF MESSAGE)

THIS IS A DRILL

TERRA UTILITIES ELECTRIC COMPANY
COMANCHE PEAK STEAM ELECTRIC STATION

1989 ACCOUNTABILITY/EVACUATION GRADED EXERCISE

4.1 GENERAL CONTROLLER/EVALUATOR INSTRUCTIONS

4.1 EVALUATOR INSTRUCTIONS

The following instructions have been developed for the TU Electric evaluator organization to outline their duties and responsibilities during exercise related activities. Each evaluator should read these instructions after receiving the exercise scenario manual. Should any questions arise after reading these instructions, contact the Exercise Lead Evaluator or a member of the Plant Evaluation Scenario Development group.

EXERCISE CONTROL

1. All evaluators will comply with instructions from the Lead Controller.
2. Prior to initiation of scenario activities, a communications check will be conducted by the exercise Lead Controller to ensure satisfactory communications among the evaluator organization.
3. Evaluators should not provide information concerning the scenario events in advance of the times noted on the messages.
4. All exercise communications and messages shall be prefixed and closed with the statement "This is a drill".
5. Messages should be passed according to the instructions provided in the various sections of this manual. For some messages, instructions are provided on a Controller Information sheet located immediately before the associated message.
6. Each Evaluator will have copies of the messages controlling the progress of the exercise scenario. If the response of the exercise participants necessitates the use of a contingency message, the situation should be discussed with the Lead Controller prior to the issuance of the message.
7. All messages controlling the progress of the exercise scenario are noted with a number. All contingency messages are noted with a number followed by the letter "c" (e.g., "4:c").
8. The times printed on each message will be in real clock time (i.e., 8:30 a.m.) and also in relative time (H+01:00). If the start of the exercise must be delayed or if play must be suspended during the exercise, relative times will be used. If a message time is followed by a "+" (i.e., 01:00+) the message is intended to be passed some time after that time whenever the proper conditions have been established.
9. Some exercise participants may insist that certain parts of the scenario are unrealistic. The Lead Controller will clarify any questions regarding scenario content that may arise during the exercise.

EVALUATOR INSTRUCTIONS

10. If an exercise participant takes an unexpected action which jeopardizes the flow of the scenario, halt the action and notify the Exercise Lead Controller for resolution.

EVALUATION AND DOCUMENTATION

1. Using the blank evaluator's Log Sheet forms, each evaluator shall take detailed notes regarding the progress of the exercise and the responses of the exercise participants at his or her respective assigned location. Each evaluator should carefully note the arrival and departure times for the exercise participants, the times at which major activities or milestones occur, and any problem areas encountered. All notes taken should be retained for the purposes of reconstructing the exercise chronology and preparing a written critique of the exercise.
2. Using the blank Evaluator Checklists for the particular evaluator position, each evaluator shall document participant response during the exercise. All evaluators shall familiarize themselves with the use of the evaluator checklists and the information contained in the checklist for the position(s) they are assigned prior to the start of the exercise.
3. Prior to the formal post-exercise critique activities, each evaluator should summarize his or her findings on the sheet entitled "Evaluator Findings Sheet." These findings should be presented in the following format:

The evaluator should summarize, in one or two paragraphs, the overall performance of the participants in his or her area of evaluation. This section should highlight those activities in which significant problems occurred, as well as any activities in which good practices or improved performance were observed.

4. The wording of the evaluators' findings is extremely important. These explanations should be concise, accurate, well organized and informative. The evaluators should avoid comments which are too generalized and lacking in detail. Comments should contain, as a minimum, the following types of information:
 - What precisely did occur
 - What is potentially deficient about the response or activity;
 - When the response/activity occurred;
 - Where the response/activity occurred; and
 - Which positions, groups or organizations are involved.

4.1 EVALUATOR INSTRUCTIONS

5. The completed evaluation checklists, as well as copies of the chronology sheets, and the evaluator notes and log sheets, should be provided to the Lead Evaluator immediately following the facility critique.

SAFETY

1. Each evaluator is responsible to ensure that this exercise is conducted in a safe manner. If at any time an evaluator perceives an exercise activity as unsafe for personnel, equipment, property of the environment, that evaluator should take action to alleviate the unsafe condition. If required, the evaluator should stop the unsafe event and immediately inform the Exercise Lead Controller.
2. In the event of an actual emergency requiring the actions of CPSES personnel, exercise activities will be terminated by the exercise lead controller. All communications concerning actual emergencies shall be prefixed and closed by the statement "This is not, repeat, not a drill".

ACTIVITIES TO BE SIMULATED

Below is a description of activities which may be simulated during this exercise. These activities have been previously addressed in Exercise Guidelines (Section 2.2). These simulations are identified here to ensure the evaluator organization is aware that they are pre-planned simulations and to provide any required scenario specific information not included in the Guidelines. **NO OTHER ACTIVITIES SHALL BE SIMULATED UNLESS APPROVED BY THE EXERCISE LEAD CONTROLLER.**

1. Any actual work or emergency repairs on plant equipment will be simulated. However, proper tools, equipment and procedures required to perform the tasks should be obtained.
2. The CPE Building parking lot is "exempt" from the Exclusion Area evacuation.
3. Personnel in the exercise shall be identified as follows:

TU Controller/Evaluators -- Red Armband

NRC Evaluators -- Yellow Armband

All Observers/Exempt Personnel -- Blue Armbands (worn inside out)

Emergency Response Organization -- Green Armbands

Firewatch -- Orange Vests

No other personnel will wear special identification

EVALUATOR INSTRUCTIONS

4. Emergency response actions not related to accountability or evacuation will not be demonstrated. These actions include offsite notification and accident mitigation.

5. TU Electric will maintain compensatory Firewatch personnel who will not evacuate for the exercise.

TUESDAY UTILITIES ELECTRIC COMPANY
COMANCHE PEAK STEAM ELECTRIC STATION

1989 ACCOUNTABILITY/EVACUATION GRADED EXERCISE

4.2 CONTROLLER ORGANIZATION AND
COMMUNICATIONS DIRECTORY

| | | |
|--------------------------------|--------------------|---|
| Exercise Lead Controller (PAP) | ✓ Radha Carter | 3107, 3108, 3100, radio <i>ch. 5</i> |
| Exercise Lead Evaluator | Doug Christensen | radio <i>ch. 5</i> |
| Control Room Controller | ✱ Chris Cragg | 4064 |
| TSC Controller | ✓ Chris Cote | 4060 |
| OSC Controller | ✓ Dottie Schroeder | 4065 |
| SAS Evaluator | ✓ Joe Ardizonni | 3100 |
| AAP Evaluator | ✓ Kathleen Britt | 7305 , 7313 |
| CAS Evaluator | ✓ Alvin Leifeste | 5606 |
| Roving Evaluator | ✱ Mike Blevins | |

Exclusion Area Evaluators

| | | |
|------------|-------------------|--------------------|
| Roving | ✓ Glen Davis | radio <i>ch. 5</i> |
| Sweep Team | ✓ Michael Feneley | radio <i>ch. 5</i> |
| | ✓ Tom Carder | |
| | ✓ Bob Beleckis | |

Protected Area Evaluators

| | | |
|---|-------------------|--------------------|
| Search Teams | - Jerry Coffee | |
| | - Mark Fitzgerald | |
| Unit Two S. forwards Aux Bldg Roof | - Ed Sirois | |
| | - John Salsman | radio <i>ch. 5</i> |

TU Electric Observers

| | |
|------------------|----------------------|
| Bill Cahill | Buzz Bruner |
| Austin Scott | - Bobby Lancaster |
| - Andy Scogin | ✓ Greg Bell |
| ✓ Bernie Southam | NO Jeff Braun |
| ✓ Bill Sparks | Jim Higgins |
| | Jim Kelly |

USNRC Evaluators

| | |
|----------------|---|
| Joel Wiebe | S. D. Bitter |
| ✱ Ron Caldwell | (Other inspectors are expected) |
| N. Terc | ✱ Dale Bowers ; Bruce Ernest |

TUEC-89-AE

Revision 2

4.2-1

Jim Kelly

Blair Spitzberg
~~Chamberlain~~

Roving Firewatchers

| | |
|----------------|-------|
| Reyes Cedillo | KT-01 |
| Pat Oxley | HA-82 |
| Linda Osborne | KR-92 |
| Larry Garsty | KU-10 |
| Billie Cearly | KL-29 |
| Claude Hoke | KM-75 |
| Craig Smith | KR-89 |
| Ron Saxon | KH-74 |
| Anthony Yuneck | KJ-01 |
| Addie Jones | GP-02 |

USNRC Personnel to Remain Onsite

Joe Birmingham
Paul Chen
Nancy Hodges
Wanda Warren
Bob Latta
Herb Livermore
Bill Richens
M.F. Runyan
Pete Stanish
Joe Taylor
R.F. Warnick
W.D. Johnson

Chamberlain

Grimes

J. Kelley

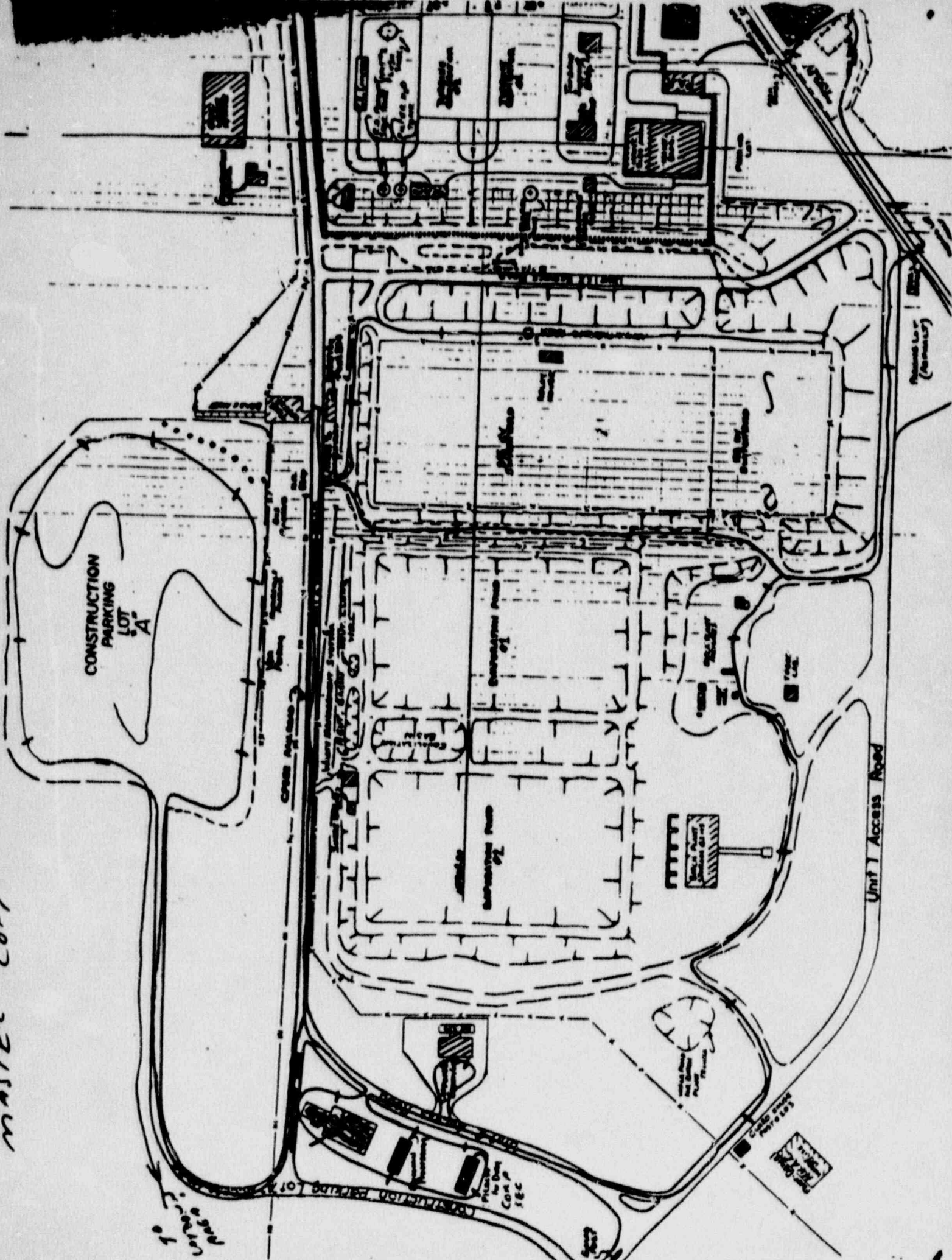
UTILITIES ELECTRIC COMPANY
COMANCHE PEAK STEAM ELECTRIC STATION

1989 ACCOUNTABILITY/EVACUATION GRADED EXERCISE

4.3 MAPS

TUEC-89-AE

MASTER COR 1



CONSTRUCTION PARKING LOT A

CROSS ACCESS

CONSTRUCTION OFFICE

CONSTRUCTION YARD

CONSTRUCTION OFFICE

CONSTRUCTION OFFICE

CONSTRUCTION OFFICE

Unit 1 Access Road

CONSTRUCTION PARKING LOT B

CONSTRUCTION OFFICE

CONSTRUCTION OFFICE

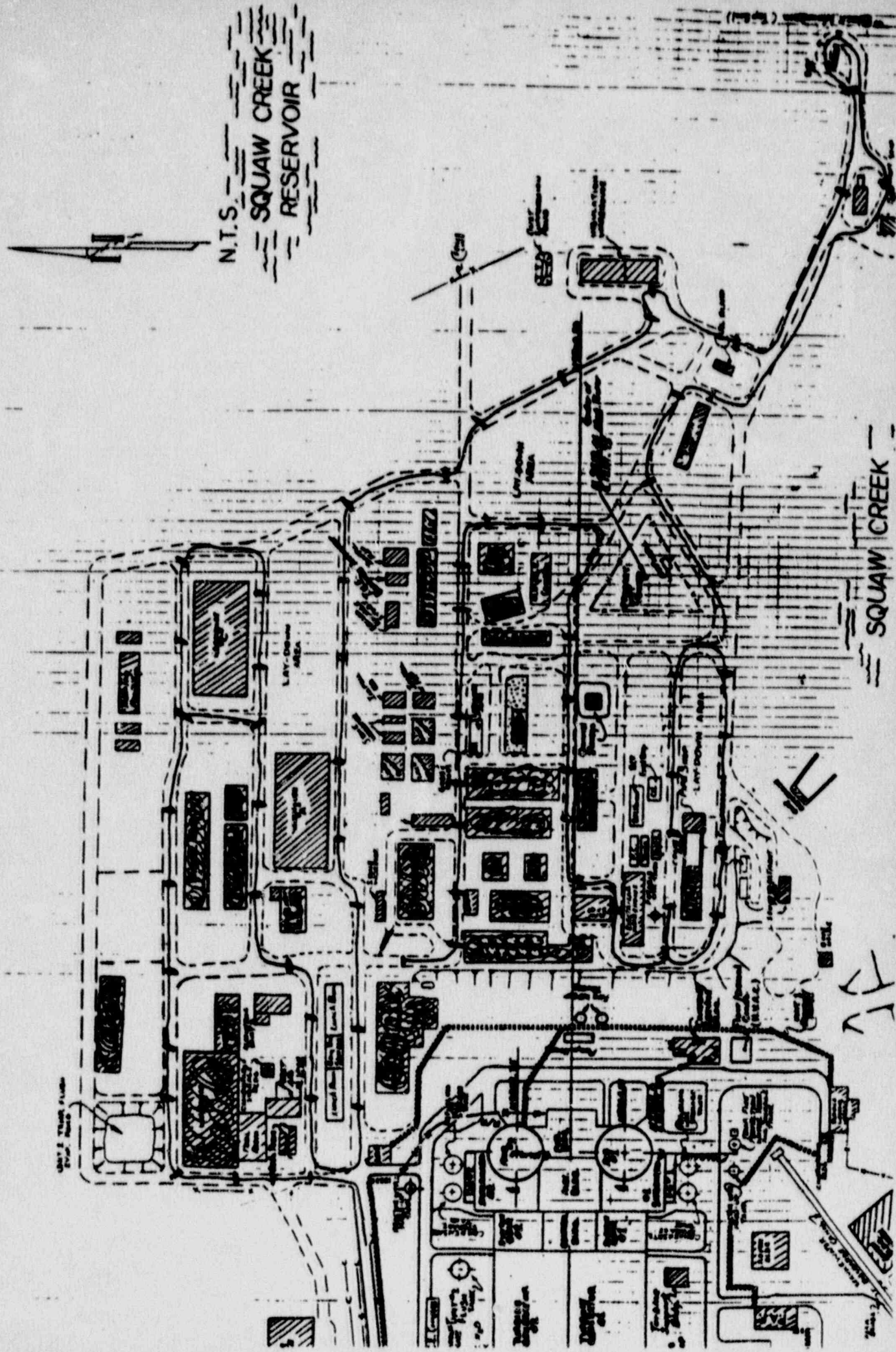
CONSTRUCTION PARKING LOT A

CONSTRUCTION PARKING LOT A

CONSTRUCTION OFFICE

MAIN BUILDING PLAN
STEAM ELECTRIC
STATION

MASTER COPY



N.T.S.
SQUAW CREEK
RESERVOIR

SQUAW CREEK

UTILITIES ELECTRIC COMPANY
CONVERSE PEAK STEAM ELECTRIC STATION

1989 ACCOUNTABILITY/EVACUATION GRADED EXERCISE

4.4 EVALUATION CRITERIA

TU Electric Evaluator Checklist

Page 1 of 4

Facility: Security Access Control
Evaluator: Security
Player Evaluated: Security Shift Supervisor

Exercise I.D. _____ Date _____

Controller/Evaluator _____ Signature _____

Procedure Reference

Yes No N/A N/O

Objective: No specific objectives were developed for the Security Access Control Facility. The evaluation criteria for the Security Shift Supervisor were derived from EPP-208, "Access Control During Emergency Conditions," Revision No. 6, and EPP-314, "Evacuation and Accountability," Revision 0.

| | | | | | |
|-----------------------------------|--|-----|-----|-----|-----|
| EPP-208 NRC 8.1.1 NRC 8.1.2 | 1. Upon declaration of an Unusual Event or an Alert, the overall security response in accordance with SEC-610 was implemented. | --- | --- | --- | --- |
|-----------------------------------|--|-----|-----|-----|-----|

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|---------|---|-----|-----|-----|-----|
| EPP-208 | 1a. Vehicle control was initiated in accordance with SEC-304. | --- | --- | --- | --- |
|---------|---|-----|-----|-----|-----|

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|---------|---|-----|-----|-----|-----|
| EPP-314 | 1b. As directed by the Emergency Coordinator, initiated Evacuation and Accountability in accordance with EPP-314. | --- | --- | --- | --- |
|---------|---|-----|-----|-----|-----|

Comments: _____

| | | | | | |
|-----------------------------------|---|-----|-----|-----|-----|
| EPP-208 NRC 8.1.1 NRC 8.1.2 | 2. If the emergency classification was a Site Area Emergency or higher, initiated overall security response in accordance with SEC-610. | --- | --- | --- | --- |
|-----------------------------------|---|-----|-----|-----|-----|

| | | | | | |
|---------|---|-----|-----|-----|-----|
| EPP-208 | 2a. Initiated vehicle control in accordance with SEC-304. | --- | --- | --- | --- |
|---------|---|-----|-----|-----|-----|

| | | | | | |
|---------|---|-----|-----|-----|-----|
| EPP-208 | 2b. Established and maintained security post at the NOSF/News Center. | --- | --- | --- | --- |
|---------|---|-----|-----|-----|-----|

| | | | | | |
|----------------------|--|-----|-----|-----|-----|
| EPP-208 NRC 8.1.3 | 2c. Established and maintained security post at the EOF. | --- | --- | --- | --- |
|----------------------|--|-----|-----|-----|-----|

| | | | | | |
|---------|--|-----|-----|-----|-----|
| EPP-208 | 2d. Established access control at Squaw Creek Park and denied access to all individuals except radiological monitoring team. | --- | --- | --- | --- |
|---------|--|-----|-----|-----|-----|

TU Electric Evaluator Checklist

Page 2 of 4

Facility: Security Access Control
 Evaluator: Security
 Player Evaluated: Security Shift Supervisor

| | | <u>Yes</u> | <u>No</u> | <u>N/A</u> | <u>N/O</u> |
|-----------------|---|------------|-----------|------------|------------|
| EPP-208 | 2e. Established Security posts, traffic control point and access control points as directed by the Emergency Coordinator or the Security Coordinator. | --- | --- | --- | --- |
| NRC 8.1.4 | 2f. Ensured the Security Personnel radiation exposures are being monitored by Radiation Protection. | --- | --- | --- | --- |
| EPP-314 | 2g. Implemented as directed evacuations and accountability in accordance with EPP-314. | --- | --- | --- | --- |
| Comments: _____ | | | | | |
| _____ | | | | | |
| _____ | | | | | |
| | 3. Implementation of EPP-314 for a building evacuation. | | | | |
| | 3a. Briefed Security Personnel on the evacuation. | --- | --- | --- | --- |
| | 3b. Dispatched Security Personnel to establish access control on the evacuated building. | --- | --- | --- | --- |
| | 3c. Dispatched Security Personnel to sweep evacuated building. | --- | --- | --- | --- |
| | 3d. Informed the Emergency Coordinator or the Security Coordinator on the status of the sweep. | --- | --- | --- | --- |
| Comments: _____ | | | | | |
| _____ | | | | | |
| _____ | | | | | |
| | 4. Implementation of EPP-314 for a Site Evacuation. | | | | |
| | 4a. Briefed Security Personnel on the evacuation. | --- | --- | --- | --- |
| | 4b. Established access control at Highway 56. | --- | --- | --- | --- |
| | 4c. Established evacuation egress traffic control points. | --- | --- | --- | --- |

TU Electric Evaluator Checklist

Page 3 of 4

Facility: Security Access Control
Evaluator: Security
Player Evaluated: Security Shift Supervisor

| | <u>Yes</u> | <u>No</u> | <u>N/A</u> | <u>N/O</u> |
|--|------------|-----------|------------|------------|
| 4d. Directed Security to assist RP in the monitoring of vehicles onsite and offsite as directed. | --- | --- | --- | --- |
| 4e. Requested traffic control assistance from local law enforcement if needed. | --- | --- | --- | --- |
| 4f. Instructed Security Personnel to coordinate with local law enforcement personnel on the release of evacuees if required. | --- | --- | --- | --- |
| 4g. Informed the Emergency Coordinator or the Security Coordinator when the evacuation egress points had been established. | --- | --- | --- | --- |
| 4h. Determined the operability of the Security computer and implemented the accountability procedure. | --- | --- | --- | --- |
| 4i. Informed Squaw Creek personnel of the site evacuation. | --- | --- | --- | --- |
| 4j. Directed a sweep of the Exclusion area following a Site evacuation. | --- | --- | --- | --- |
| 4k. Evaluated the computer printouts to determine names of personnel in the Protected Area not assigned to an ERF. | --- | --- | --- | --- |

Comments: _____

NRC 2.6.2 4l. Reported the results of the Protected Area
NRC 8.2.1 accountability within 30 minutes of site
evacuation initiation.

Comments: _____

TU Electric Evaluator Checklist

Page 4 of 4

Facility: Security Access Control
Evaluator: Security
Player Evaluated: Security Shift Supervisor

Yes No N/A N/O

NRC 8.2.2 4m. Initiated search for missing individual(s)
as directed.

___ ___ ___ ___

Comments: _____

NRC 8.2.3 4n. Maintained accountability of onsite personnel
throughout the emergency.

___ ___ ___ ___

Comments: _____

TU Electric Evaluator Checklist

Page 1 of 1

Facility: CAS or SAS
Evaluator: Security
Player Evaluated: CAS or SAS Operators

Exercise I.D. _____ Date _____

Controller/Evaluator _____ Signature _____

Procedure Reference

Yes No N/A N/O

Objective: No specific objectives were developed for this facility. The evaluation criteria were derived from EPP-314, "Evacuation and Accountability," Revision 0.

- | | | | | |
|--|-------|-------|-------|-------|
| 1. For a Site Evacuation the Security Computer Operator obtained a printout of all personnel in the Protected Area; not in an ERF or on an Emergency Assignment. | _____ | _____ | _____ | _____ |
| 2. Security Computer Operator provided the printout to the Security Shift Supervisor immediately. | _____ | _____ | _____ | _____ |
| 3. Security Computer Operators performed their assigned duties in accordance with Security procedures and plans during the emergency. | _____ | _____ | _____ | _____ |

Comments: _____

TU Electric Evaluator Checklist
Page 1 of 3

Facility: Security Access Control
 Evaluator: Security
 Player Evaluated: Security Response Team

Exercise I.D. _____ Date _____
 Controller/Evaluator _____ Signature _____

Procedure Reference

| | <u>Yes</u> | <u>No</u> | <u>N/A</u> | <u>N/O</u> |
|---|------------|-----------|------------|------------|
| Objective: No specific objectives were developed for the Security Response Teams. The evaluation criteria were derived from EPP-314, "Evacuation and Accountability," Revision 0. | | | | |
| 1. Security personnel assigned for control of access to building/sweep of evacuated building should have: | | | | |
| 1a. "Sweep" of evacuated building for individual(s) remaining in building. | --- | --- | --- | --- |
| 1b. Established control of access to evacuated building. | --- | --- | --- | --- |
| 1c. Reported status to Security Shift Supervisor. | --- | --- | --- | --- |
| 1d. Remained on assignment until given further instructions by Security Shift Supervisor | --- | --- | --- | --- |
| Comments: _____ | | | | |
| _____ | | | | |
| _____ | | | | |
| 2. Security personnel assigned for traffic control at evacuation egress point(s) should have: | | | | |
| 2a. Established evacuation egress/traffic control point at location ordered. | --- | --- | --- | --- |
| 2b. Informed the Security Shift Supervisor of the setup of evacuation egress points. | --- | --- | --- | --- |
| 2c. Performed traffic control of evacuees exiting site in accordance with EPP-314. | --- | --- | --- | --- |
| 2d. Coordinated with local law enforcement personnel if required. | --- | --- | --- | --- |

TU Electric Evaluator Checklist

Page 2 of 3

Facility: Security Access Control
Evaluator: Security
Player Evaluated: Security Response Team

2e. Update the Security Shift Supervisor on status. Yes No N/A N/O

Comments: _____

3. Security personnel assigned for control of access to Protected Area, Exclusion Area and Site Area at Highway 56/"Sweep" of Exclusion Area should have:

3a. Performed a "sweep" of Exclusion Area for non-essential personnel in accordance with SEC-610, "Security Response During Operating Emergencies." _____

3b. Provided control to Protected Area, Exclusion Area, and Owner Controlled Area at Highway 56 in accordance with SEC-610, "Security Response During Operating Emergencies." _____

Comments: _____

4. Security Personnel assigned to Squaw Creek Park (SCP) should have:

4a. Proceeded to Squaw Creek Park (SCP). _____

4b. Reported arrival at SCP to Security Shift Supervisor. _____

4c. Provided Security to SCP in accordance with SEC-610, "Security Response During Operating Emergencies." _____

Comments: _____

TU Electric Evaluator Checklist
Page 3 of 3

Facility: Security Access Control
Evaluator: Security
Player Evaluated: Security Response Team

- | | <u>Yes</u> | <u>No</u> | <u>N/A</u> | <u>N/O</u> |
|--|------------|-----------|------------|------------|
| 5. Security Personnel assigned alternate accountability of Protected Area should have: | | | | |
| 5a. Inserted all the collected badges into badge rack. | --- | --- | --- | --- |
| 5b. Obtained Form EPP-314-1, "Emergency Response Facility Accountability Log" (Attachment 1) with names of personnel located in Control Room, TSC, OSC and on emergency assignments. | --- | --- | --- | --- |
| 5c. Determined if non-essential personnel remained in Fire Protected Area by visually matching list of names with missing badges on badge rack. | --- | --- | --- | --- |
| 5d. Reported the identify of personnel remaining in the Protected Area to Security Shift Supervisor. | --- | --- | --- | --- |

Comments: _____

T.U. ELECTRIC
1989 FULL SCALE EXERCISE
CONTROLLER'S LOG SHEET

DATE: _____

PAGE ____ OF ____

CONTROLLER'S NAME: _____

CONTROLLER'S POSITION: _____

| TIME | SUMMARY OF ACTIVITY PERFORMED | ENTERED BY (INITIALS) |
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T.U. ELECTRIC
1989 FULL SCALE EXERCISE
CONTROLLER'S LOG SHEET

DATE: _____

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CONTROLLER'S NAME: _____

CONTROLLER'S POSITION: _____

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T.U. ELECTRIC
1989 FULL SCALE EXERCISE
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1989 FULL SCALE EXERCISE
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1989 FULL SCALE EXERCISE
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EXERCISE FINDING

NAME/PHONE #: _____ EXERCISE DATE: _____

CONTROLLER POSITION: _____ TIME: _____

TYPE OF FINDING: (SEE REVERSE) _____ DEFICIENCY
_____ WEAKNESS
_____ IMPROVEMENT ITEM
_____ OBSERVATION

COMMENT AREA: (ONE COMMENT AREA PER COMMENT SHEET)

- EQUIPMENT PROBLEMS OBJECTIVE: _____ (SEE REVERSE)
 SCENARIO COMMENTS POSITIVE COMMENTS

FINDING: _____

REFERENCE: _____

FINDING NUMBER: _____
(LEAVE BLANK)

EXERCISE FINDING

NAME/PHONE #: _____ EXERCISE DATE: _____

CONTROLLER POSITION: _____ TIME: _____

TYPE OF FINDING: (SEE REVERSE) _____ DEFICIENCY
_____ WEAKNESS
_____ IMPROVEMENT ITEM
_____ OBSERVATION

COMMENT AREA: (ONE COMMENT AREA PER COMMENT SHEET)

- EQUIPMENT PROBLEMS
- OBJECTIVE: _____ (SEE REVERSE)
- SCENARIO COMMENTS
- POSITIVE COMMENTS

FINDING: _____

REFERENCE: _____

FINDING NUMBER: _____
(LEAVE BLANK)

EXERCISE FINDING

NAME/PHONE #: _____ EXERCISE DATE: _____

CONTROLLER POSITION: _____ TIME: _____

TYPE OF FINDING: (SEE REVERSE) _____ DEFICIENCY
_____ WEAKNESS
_____ IMPROVEMENT ITEM
_____ OBSERVATION

COMMENT AREA: (ONE COMMENT AREA PER COMMENT SHEET)

- EQUIPMENT PROBLEMS
- OBJECTIVE: _____ (SEE REVERSE)
- SCENARIO COMMENTS
- POSITIVE COMMENTS

FINDING: _____

REFERENCE: _____

FINDING NUMBER: _____
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EXERCISE FINDING

NAME/PHONE #: _____ EXERCISE DATE: _____

CONTROLLER POSITION: _____ TIME: _____

TYPE OF FINDING: (SEE REVERSE) _____
 _____ DEFICIENCY
 _____ WEAKNESS
 _____ IMPROVEMENT ITEM
 _____ OBSERVATION

COMMENT AREA: (ONE COMMENT AREA PER COMMENT SHEET)

- EQUIPMENT PROBLEMS OBJECTIVE: _____ (SEE REVERSE)
- SCENARIO COMMENTS POSITIVE COMMENTS

FINDING: _____

REFERENCE: _____

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EXERCISE FINDING

NAME/PHONE #: _____ EXERCISE DATE: _____

CONTROLLER POSITION: _____ TIME: _____

TYPE OF FINDING: (SEE REVERSE) _____

COMMENT AREA: (ONE COMMENT AREA PER COMMENT SHEET)

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| <input type="checkbox"/> EQUIPMENT PROBLEMS | <input type="checkbox"/> OBJECTIVE: _____ (SEE REVERSE) |
| <input type="checkbox"/> SCENARIO COMMENTS | <input type="checkbox"/> POSITIVE COMMENTS |

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EXERCISE FINDING

NAME/PHONE #: _____ EXERCISE DATE: _____

CONTROLLER POSITION: _____ TIME: _____

TYPE OF FINDING: (SEE REVERSE) _____ DEFICIENCY
_____ WEAKNESS
_____ IMPROVEMENT ITEM
_____ OBSERVATION

COMMENT AREA: (ONE COMMENT AREA PER COMMENT SHEET)

- EQUIPMENT PROBLEMS OBJECTIVE: _____ (SEE REVERSE)
 SCENARIO COMMENTS POSITIVE COMMENTS

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EXERCISE FINDING

NAME/PHONE #: _____ EXERCISE DATE: _____

CONTROLLER POSITION: _____ TIME: _____

TYPE OF FINDING: (SEE REVERSE) _____ DEFICIENCY
_____ WEAKNESS
_____ IMPROVEMENT ITEM
_____ OBSERVATION

COMMENT AREA: (ONE COMMENT AREA PER COMMENT SHEET)

- EQUIPMENT PROBLEMS
- OBJECTIVE: _____ (SEE REVERSE)
- SCENARIO COMMENTS
- POSITIVE COMMENTS

FINDING: _____

REFERENCE: _____

FINDING NUMBER: _____
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TEXAS UTILITIES ELECTRIC COMPANY
COMANCHE PEAK STEAM ELECTRIC STATION

1989 ACCOUNTABILITY/EVACUATION GRADED EXERCISE

5.0 OBSERVERS INFORMATION

PLANT: **COMANCHE PEAK**
 LICENSEE: **TU Electric**

LOCATION: **Glenrose, TX**

