

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

August 17, 1988

D. S. CRUDEN
VICE PRESIDENT-NUCLEAR

Mr. T. R. Decker, Chief
Emergency Preparedness Section
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 2900
Atlanta, Georgia 30323

Serial No. 88-540
NO/REB/acm
Docket Nos. 50-280
50-281
License Nos. DPR-32
DPR-37

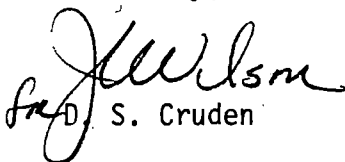
Dear Sir:

VIRGINIA ELECTRIC AND POWER COMPANY
SCOPE AND OBJECTIVES
1988 SURRY ANNUAL EMERGENCY EXERCISE

The Scope and Objectives for the upcoming Surry Power Station emergency exercise, to be conducted on November 1, 1988, are hereby submitted. This exercise is being held pursuant to 10 CFR 50.47(b)(14). The enclosure is a part of the exercise package that is being prepared at this time. A copy of this package will be made available in accordance with your January 8, 1987 letter titled "Submittal of Annual Emergency Exercise Objective, Detailed Scenarios and Controller Packages."

If you have any questions concerning the exercise Scope and Objectives, please call Mr. F. M. Cox at (804) 273-2815.

Sincerely,


D. S. Cruden

Enclosure

cc: U.S. Nuclear Regulatory Commission (w/o enclosure)
101 Marietta Street, N.W.
Suite 2900
Atlanta, GA 30323

Mr. W. E. Holland (w/o enclosure)
NRC Senior Resident Inspector
Surry Power Station

Mr. A. E. Slayton, Jr.
State Coordinator
Department of Emergency Services
Commonwealth of Virginia

8809120103 880817
PDR ADOCK 05000280
F PDC

TE35

SCOPE OF EXERCISE

On November 1, 1988, Virginia Electric and Power Company intends to demonstrate its ability to implement the Surry Emergency Plan. The purpose of this exercise is to activate and evaluate major portions of the Emergency Plan, associated implementing procedures, and selected portions of the Virginia Electric and Power Company Corporate Emergency Response Plan in accordance with 10CFR50.47(b)(14), and to participate in the implementation of State and local government emergency response plans as detailed in VOPEX 2-88.

The exercise will be conducted in conjunction with an Emergency Response Facility (ERF) Appraisal by the Nuclear Regulatory Commission (NRC) to verify that Virginia Electric and Power Company's ERFs meet the requirements of 10CFR50.47(b), Appendix E of 10CFR50, and orders and license conditions issued to implement Supplement 1 to NUREG-0737, Requirements for Emergency Response Facilities. The appraisal will assess the use of each facility, the equipment, procedures and required documents therein, during the simulated emergency.

Simulations of response will be performed with Federal agencies and volunteer groups, as well as other supporting organizations. The exercise will demonstrate that those individuals and agencies assigned responsibilities in a radiological emergency are capable of providing the necessary protective measures to ensure the health and safety of the public in the event of an accident at the Surry Power Station.

The exercise is intended to demonstrate responses to emergency classes as established by NUREG-0654, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Stations. A scenario will be prepared to require simulated entry into one or more of these emergency classes. Free play is encouraged and controllers will only interfere with participant's response if the exercise lags behind schedule, if emergency response personnel take inappropriate actions to carry them to the next event, or if action is taken that would correct the expected simulated response earlier than scheduled by the scenario. At no time will the exercise be permitted to interfere with the routine safe operation of the station. Station management may, at their discretion, suspend the exercise for any period of time necessary to ensure this goal. Exercise participants will not have prior knowledge of the simulated incident or any parts thereof.

The Technical Support Center, Operational Support Center, and the Local Emergency Operations Facility will be activated in response to appropriate scenario actions. Also, Virginia Electric and Power Company intends to activate the Corporate Emergency Response Plan at the Innsbrook Technical Center in Richmond, Virginia, to demonstrate the Corporate Emergency Response Center's capability to interact with the Local Emergency Operations Facility, Public News Center, and Local Media Center.

OBJECTIVES OF EXERCISE

The objectives of this exercise are to demonstrate by actual performance a number of key emergency preparedness functions as they relate to the Surry Power Station Emergency Plan. The simulated accident will involve response and subsequent recovery actions to include: emergency classification, notification of company personnel and off-site organizations, simulated actions to correct the emergency condition, and initiation of accident assessment and protective actions as necessary to cope with the event, which will include a simulated off-site radiological release. The intent of this effort is to demonstrate the adequacy of the Surry Emergency Plan (SEP), the Emergency Plan Implementing Procedures (EPIPs), the Corporate Emergency Response Plan (CERP), and the Corporate Plan Implementing Procedures (CPIPs). Simulations of some aspects of emergency preparedness, without actual demonstrations by the Station or Corporate entities, may occur where it is impractical to call for personnel involvement.

The following objectives have been developed in order to establish the scope of the 1988 Surry Power Station Emergency Preparedness Exercise. The objectives ensure that required events are included in the exercise scenario, and establish criteria to be evaluated by controllers and observers during the conduct of the exercise.

A. OVERALL STATION OBJECTIVES

- 1) Demonstrate the ability to make proper decisions related to radiation exposure and to implement those decisions.
- 2) Demonstrate the ability to establish and maintain emergency management control of station operations and maintenance.
- 3) Demonstrate the ability to make protective action recommendations that protect station personnel and the general public, as appropriate.
- 4) Demonstrate the ability to augment the on-shift emergency organization to support emergency operations in a timely and effective manner.
- 5) Initiate the exercise between midnight and 6 a.m.
- 6) Demonstrate the ability to evacuate designated non-essential personnel from the site.
- 7) Demonstrate the ability to transition into the recovery mode.
- 8) Conduct an effective critique in order to disclose significant exercise findings which require corrective actions.

B. OPERATIONS OBJECTIVES

- 1) Demonstrate the ability to recognize operational symptoms indicative of degrading plant conditions.
- 2) Demonstrate the ability to classify the emergency in accordance with Emergency Plan Implementing Procedures.
- 3) Demonstrate the ability to use notification/alerting procedures and methods.
- 4) Demonstrate the ability to communicate with supporting locations.

C. SECURITY OBJECTIVES

- 1) Demonstrate access control and security for the station and the Local Emergency Operations Facility.
- 2) Demonstrate station employee accountability.
- 3) Demonstrate the ability to support site evacuation.
- 4) Demonstrate call-out of station personnel, as necessary.

2

D. HEALTH PHYSICS AND CHEMISTRY OBJECTIVES

- 1) Demonstrate the ability to perform radiological monitoring activities and assessments, and to formulate offsite radiological dose projections.
- 2) Demonstrate collection and analysis of appropriate sample media necessary to assess radiation levels and support dose assessment activities.
- 3) Demonstrate use of communications by the monitoring teams.
- 4) Demonstrate response to and analysis of simulated elevated airborne and/or liquid activity levels and of simulated elevated area radiation levels.

E. EMERGENCY RESPONSE FACILITY OBJECTIVES

- 1) Demonstrate activation of the following Emergency Response Facilities:

Control Room (CR)

Technical Support Center (TSC)

Operational Support Center (OSC)

Local Emergency Operations Facility (LEOF)

Corporate Emergency Response Center (CERC)

Public News Center (PNC)

Local Media Center (LMC)

- 2) Demonstrate the communications capabilities of the Control Room, TSC, OSC, LEOF and CERC, and the ability to maintain these communications with Federal, State, and local governments, as appropriate. This shall include sending, receiving, and understanding the content of messages involved.
- 3) Demonstrate the proper utilization of the Emergency Response Facilities and that adequate emergency response equipment exists.

F. CORPORATE OBJECTIVES

- 1) Demonstrate that the LEOF can be adequately staffed to maintain communications, coordinate the utilization of offsite monitoring teams, recommend offsite protective measures to the State, and transit into the recovery mode.
- 2) Demonstrate that the CERC can be adequately staffed to provide engineering assistance, maintain communications, and provide logistic support.
- 3) Demonstrate that the PNC and LMC can be adequately staffed to coordinate news announcements with offsite emergency response agencies, distribute releases in a timely manner, conduct timely and informative media briefings, and respond to outside news inquiries, if received.