

Arizona Public Service Company

P.O. BOX 21666 • PHOENIX, ARIZONA 85036

PVNGS-RWP-L84-001

April 23, 1984

Mr. John B. Martin
Office of Inspection and Enforcement
Region V
U. S. Nuclear Regulatory Commission
1450 Maria Lane, Suite 210
Walnut Creek, CA 94596

Subject: Palo Verde Nuclear Generating Station
Docket Nos. STN 50-528/529/530
1984 Annual Emergency Plan Exercise
File: 84-002-493

Reference: Letter from Ross A. Scarano (NRC Region V) to E. E. Van Brunt, Jr.
(APS) dated April 3, 1984 regarding 1984 Annual Emergency Plan
Exercise Scenario.

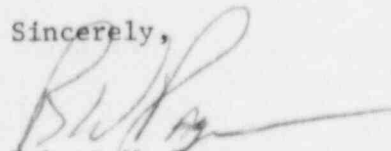
Dear Mr. Martin:

Attached for your review and comment are the Objectives and Extent of Play
for the 1984 Annual Emergency Plan Exercise. Ray Fish of your staff informally
reviewed the draft objectives during the NRC's inspection of PVNGS emergency
planning on January 16, 1984. Mr. Fish's comments have been incorporated into
the attached Objectives.

The offsite elements of the Objectives and Extent of Play have been closely
coordinated among the cognizant state and local emergency response agencies.
In addition, Mr. John Sucich and Mr. Ken Nauman of the Federal Emergency
Management Agency, Region IX, participated in a development meeting regarding
the offsite objectives and extent of play on February 1, 1984.

If NRC, Region V is in need of clarification or additional information regarding
the attached subject area, please contact me at 602/932-5300, extension 6180.

Sincerely,



Robert W. Page
Manager, Emergency
Planning & Preparedness

RWP:m

Attachments

copies: E. E. Van Brunt, Jr. (w/o attachments)
Branch Chief, Technological Hazards - FEMA
E. Licitra - NRC

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PALO VERDE NUCLEAR GENERATING STATION

1984 EXERCISE OBJECTIVES

ONSITE (Arizona Public Service Company)

- Demonstrate the ability to assess plant conditions, classify the event and identify projected trends and potential consequences.
- Demonstrate the ability to alert, notify and mobilize PVNGS emergency response personnel within the time frames specified in the Emergency Plan.
- Demonstrate the ability of APS to notify offsite agencies in a timely manner.
- Demonstrate the adequacy of the emergency plan implementing procedures both in terms of management control of an emergency situation and workability of the procedures at all levels.
- Demonstrate the capability of APS to evacuate affected onsite personnel.
- Demonstrate the adequacy of security access control to PVNGS emergency response facilities.
- Demonstrate the effectiveness and availability of appropriate emergency equipment.
- Demonstrate the capability to control a simulated fire.
- Demonstrate the ability to determine actual or potential offsite radiological hazards and make timely Protective Action Recommendations to offsite agencies.
- Demonstrate the ability to track plume passage and monitor contamination.
- Demonstrate the capability to implement recovery activities onsite.
- Demonstrate the ability to gather samples and analyze them in a radiological laboratory setting.

OFFSITE (State of Arizona, County of Maricopa)

- Demonstrate that emergency response organizations can alert and mobilize emergency response personnel.
- Demonstrate the ability to deploy appropriate equipment/personnel in a timely manner.
- Demonstrate that timely and accurate decisions can be made regarding Protective Actions for the Plume Exposure Pathway Emergency Planning Zone (EPZ).
- Demonstrate that the Radiological Technical Organization can provide assessment and analysis and make appropriate recommendations for Protective Actions of a simulated release of radioiodine and noble gases.
- Demonstrate that the Monitoring Pool has the capability to perform terrestrial monitoring tasks.
- Demonstrate the capability to establish and operate a Reception and Care Center.
- Demonstrate access control and traffic regulation in the Plume Exposure Pathway EPZ.
- Demonstrate the capability to control access to emergency facilities in order to maintain security during an emergency.

JOINT (Arizona Public Service Company, State of Arizona, County of Maricopa)

- Demonstrate timely coordination and release of information to the media through coordinated action by state, county and utility elements.
- Demonstrate the functional adequacy of emergency facilities.
- Demonstrate the ability to coordinate Protective Actions in the Plume Exposure Pathway EPZ.
- Demonstrate the adequacy of communications links between government emergency facilities, field teams and the utility's emergency facilities.
- Demonstrate the adequacy of communications with public via news media and through other public information channels, i.e., EBS, Rumor Control, etc.
- Demonstrate the ability to implement personnel dosimetry for both utility and government emergency response personnel.
- Demonstrate the capability to transport injured personnel and provide emergency medical service onsite and offsite.
- Demonstrate the ability to perform onsite and offsite dose assessment in a timely manner.

PALO VERDE NUCLEAR GENERATING STATION

1984 EXERCISE

EXTENT OF PLAY

1. Activation of all Emergency Response Facilities except the Corporate Emergency Center in accordance with plans and procedures.

- PVNGS STSC, TSC, OSC, EOF and CHIC
- State EOC/TOC including:
 - o Response to Public Inquiry Center
 - o Joint Emergency News Center
- Maricopa County EOC
- REAT Center
- REAT Forward Center
- MCSO on Scene Command Post
- Reception and Care Center (one)
 - o Demonstrate capability to establish sleeping arrangements for evacuees

2. Response

- Use of Notification System
 - o Demonstrate ability to alert government response organization
- Mobilize State and County response agencies
- Deploy State and County response organization
- Use of Siren Activation System
- Evacuation of representative resident group (25 to 30 people)
- Evacuation of representative resident group with special problems (approximately 5 people)
- Road block/control points (two)
 - o Demonstrate ability, then secure
- Radiation Monitoring Teams (3 utility, 3 government)
- Use of primary communications and backup use as developed in the scenario
- Sound of EPZ sirens and two-tone alarm devices will be simulated. Warning will be disseminated to player population through the supplemental warning team.
- Simulated contaminated injury transported to Maryvale Samaritan Hospital (1 person)
- Simulate Assembly and Accountability

AGENCIES PARTICIPATING IN THE PVNGS

EVALUATED EXERCISE 1984

STATE

Arizona Division of Emergency Services
Arizona Division of Military Affairs
Arizona Department of Public Safety
Arizona Radiation Regulatory Agency
Arizona Department of Health Services
Arizona Department of Economic Security
Arizona Department of Transportation

COUNTY

Maricopa County Department of Civil Defense
and Emergency Services
Maricopa County Sheriff's Office
Maricopa County Health Department
Maricopa County Highway Department

VOLUNTEER AGENCIES

American Red Cross
Civil Air Patrol
Radio Amateur Civil Emergency Services

SUPPORT ORGANIZATIONS

Maryvale Samaritan Hospital

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