



A subsidiary of Pinnacle West Capital Corporation

Palo Verde Nuclear  
Generating Station

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U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Dear Sirs:

**Subject: Palo Verde Nuclear Generating Station (PVNGS)  
Units 1, 2, and 3  
Docket Nos. STN 50-528/529/530  
2007 Annual Environmental Operating Report**

Enclosed please find the 2007 Annual Environmental Operating Report for PVNGS Units 1, 2, and 3 during 2007. This report is being submitted pursuant to Section 5.4.1 of Appendix B to the PVNGS Units 1, 2, and 3 Operating License Nos. NPF-41, NPF-51, and NPF-74, respectively.

No commitments are being made to the NRC in this letter. If you have any questions, please contact Glenn A. Michael at (623) 393-5750.

Sincerely,

TNW/GAM/CJJ/gat

Enclosure

cc:	E. E. Collins Jr.	NRC Region IV Regional Administrator
	M. T. Markley	NRC NRR Project Manager
	R. I. Treadway	NRC Senior Resident Inspector for PVNGS
	A. V. Godwin	Arizona Radiation Regulatory Agency (ARRA)
	T. Morales	Arizona Radiation Regulatory Agency (ARRA)

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*NRR*

# **ENCLOSURE**

**Palo Verde Nuclear Generating Station**

**Units 1, 2, and 3**

**2007 Annual Environmental Operating Report**

# Palo Verde Nuclear Generating Station 2007 Annual Environmental Operating Report

## I. INTRODUCTION

The Palo Verde Nuclear Generating Station (PVNGS) is located in Maricopa County, Arizona, approximately 50 miles west of the Phoenix metropolitan area. The PVNGS site comprises approximately 4280 acres. Site elevations range from 890 feet above mean sea level at the southern boundary to 1030 feet above mean sea level at the northern boundary. The station consists of three pressurized water reactor electrical generating units. Units 1, 2, and 3 have a rated thermal power of 3990 MW.

PVNGS was issued low power operating licenses NPF-34, NPF-46 and NPF-65 for Units 1, 2 and 3 by the United States Nuclear Regulatory Commission (NRC) on December 31, 1984, December 9, 1985, and March 25, 1987, respectively. The Unit 1 full power operating license NPF-41 was issued June 1, 1985. The Unit 2 full power operating license NPF-51 was issued April 24, 1986. The Unit 3 full power operating license NPF-74 was issued November 25, 1987. Appendix B to these operating licenses is entitled the "Environmental Protection Plan (Non Radiological)." The Environmental Protection Plans (EPP) for each of the current operating licenses are identical.

The EPP purpose is to provide for protection of environmental values during construction and operation of the nuclear facility. The principal objectives of the EPP are as follows:

- (1) Verify that the station is operated in an environmentally acceptable manner, as established by the FES (Final Environmental Statement) and other NRC environmental impact assessments.
- (2) Coordinate NRC requirements and maintain consistency with other Federal, State and Local requirements for environmental protection.
- (3) Keep NRC informed of the environmental effects of facility construction and operation and actions taken to control those effects.

This Annual Environmental Operating Report is required by Section 5.4.1 of the EPP. This report describes the activities during calendar year 2007 related to the PVNGS EPP. For purposes of this report, references to the EPP are considered to be the EPP of Facility Operating License Nos. NPF-41, NPF-51, and NPF-74.

# **Palo Verde Nuclear Generating Station 2007 Annual Environmental Operating Report**

## **II. ENVIRONMENTAL MONITORING SUMMARIES AND ANALYSIS**

### **A. Cultural Resources**

Section 4.2.1 of the EPP requires that an archaeological survey be performed when final alignment of the PVNGS-to-Saguaro transmission line is completed. As of the date of this report, plans for this transmission line have been indefinitely suspended. Therefore, there has been no activity with regard to this requirement of the EPP.

### **B. Terrestrial Ecology Monitoring**

As communicated in a letter from William F. Conway, APS, to NRC, dated December 30, 1991, the salt deposition monitoring program was discontinued at the end of 1991.

## **III. PLANT DESIGN AND OPERATION CHANGES**

Section 3.1 of the EPP allows changes in station design or operation or the performance of tests or experiments affecting the environment provided that such changes, tests, or experiments do not involve an unreviewed environmental question and do not involve a change to the EPP. Changes, tests, or experiments in which all measurable non-radiological effects are confined to the on-site areas previously disturbed during site preparation and plant construction or in which the environment is not affected are exempt from the evaluation and reporting requirements of Section 3.1.

Section 3.2 of the EPP also exempts changes, tests, or experiments, which are required to comply with other Federal, State, or local environmental regulations.

No design and operational changes were initiated in 2007 that required an evaluation to determine if they involved either an unreviewed environmental question or constituted a change in the EPP.

## **IV. EPP NON-COMPLIANCES**

There were no instances of non-compliance with the EPP identified during 2007.

## **V. NON-ROUTINE REPORTS**

There were no non-routine reports required by Section 5.4.2 of the EPP submitted during 2007.