



102-06859-TNW/DHK
March 21, 2014

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ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
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
Technical Specification (TS) Bases Revision 59 and
Technical Requirements Manual (TRM) Revision 59**

Pursuant to PVNGS TS 5.5.14, *Technical Specifications Bases Control Program*, Arizona Public Service Company (APS) is submitting TS Bases Revision 59. In addition, APS is submitting TRM Revision 59. TS Bases Revision 59 was implemented on March 19, 2014 and TRM Revision 59 was implemented on September 25, 2013. Electronic files of the revised TS Bases and TRM are provided as Enclosure 1. The summary of changes for each document is provided in Enclosure 2.

No commitments are being made to the NRC by this letter. Should you need further information regarding this submittal, please contact David H. Kelsey, Licensing Section Leader, at (623) 393-5730.

Sincerely,

Thomas N. Weber
Department Leader, Regulatory Affairs

TNW/DHK/hsc

Enclosure 1: Optical Storage Media (OSM) Electronic Files of PVNGS TS Bases Revision 59 and TRM Revision 59
Enclosure 2: PVNGS Technical Specification Bases Revision 59 and TRM Revision 59 Summary of Changes

cc: M. L. Dapas NRC Region IV Regional Administrator (enclosures)
J. K. Rankin NRC NRR Project Manager for PVNGS (enclosures)
M. A. Brown NRC Senior Resident Inspector for PVNGS (w/o enclosures)

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ENCLOSURE 2

PVNGS

Technical Specification Bases Revision 59

and

TRM Revision 59

Summary of Changes

ENCLOSURE 2
PVNGS Technical Specification Bases Revision 59 and TRM Revision 59

Technical Specification Bases Revision 59 includes the following changes:

- LDCRs 09-B007 and 13-B004 reflect changes to the TS Bases Section 3.4.17, *RCS Specific Activity*, to conform to NRC approved License Amendment 192, dated November 25, 2013. The amendment revised the Technical Specifications (TSs) related to reactor coolant system (RCS) activity limits by replacing the current TS limits on primary coolant gross specific activity with limits on primary coolant noble gas activity. The noble gas activity reflects a new DOSE EQUIVALENT XE-133 definition that replaces the past E-Bar average disintegration energy definition in TS Section 1.1, *Definitions*. The changes are consistent with NRC-approved Industry/Technical Specifications Task Force (TSTF) Standard Technical Specification change traveler, TSTF-490, Revision 0, *Deletion of E-Bar Definition and Revision to RCS Specific Activity Technical Specifications*, with deviations.
- LDCR 13-B003 clarified the Limiting Condition for Operation (LCO) descriptions for TS Bases Sections 3.7.7, *Essential Cooling Water (EW) System*, 3.7.8, *Essential Spray Pond System (ESPS)*, and 3.7.10, *Essential Chilled Water (EC) System*. Specifically, the following clarifying language was added:

“Disassembly, removal of insulation, and other configuration changes to the isolated portions of an OPERABLE system must be explicitly evaluated for operability impact prior to executing any configuration changes of the OPERABLE system.”

This clarifying information was added as a result of condition report disposition request (CRDR) 4450413. In addition, a typographical error in the description of Action F.1, of TS Bases Section 3.7.2, *Main Steam Isolation Valves (MSIVs)*, identified in CRDR 4474603, is corrected in this LDCR. Specifically, the word “inoperable” was incorrectly typed as “operable” in TS Bases, Revision 40. This correction is consistent with LDCR 06-B023, dated November 7, 2006.

Technical Requirements Manual (TRM) Revision 59 includes the following changes:

- LDCR 12-R007 added 3 credited incore instrument strings (locations J-07, R-09 and D-14) to implement the new analysis of record for Inadvertent Loading of a Fuel Assembly. In addition, changes included requiring at least one operable detector string in all 4x4 arrays of fuel assemblies that contain 16 fuel assemblies. New TLCO Conditions B, C and D were added to address actions to be taken for inoperable detectors prior to 30 percent power and after initial power ascension above 30 percent power. Conforming changes were also made to the TRM Bases for this specification.
- LDCR 13-R003 revised various TRM surveillance requirement (SR) frequencies to reflect 18-month staggered test frequencies, consistent with Surveillance Test Risk-Informed Documented Evaluations (STRIDEs) PVN-I-0007, Revision 1 and PVN-O-0015, Revision 0. Specifically, TRM SRs 3.3.108.3, 3.3.108.4, 3.4.201.1, 3.5.200.4.2, 3.8.102.1 and 3.9.104.3 test frequencies are changed to 18-months on a staggered test basis.