



102-07264-TNW/MDD
May 26, 2016

Technical Specification 5.5.14

**Palo Verde
Nuclear Generating Station**
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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 63 and
Technical Requirements Manual (TRM) Revision 63**

Pursuant to PVNGS TS 5.5.14, *Technical Specifications Bases Control Program*, Arizona Public Service Company (APS) is submitting TS Bases Revision 63 and TRM Revision 63. TS Bases Revision 63 was implemented on May 12, 2016 and TRM Revision 63 was implemented on September 30, 2015. 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 Michael D. Dilozenzo, Regulatory Affairs Department Leader, at (623) 393-3495.

Sincerely,

Thomas N. Weber
Department Leader, Regulatory Affairs

TNW/MDD/CJS/af

Enclosure 1: Optical Storage Media (OSM) Electronic Files of PVNGS TS Bases Revision 63 and TRM Revision 63

Enclosure 2: PVNGS Technical Specification Bases Revision 63 and TRM Revision 63 Summary of Changes

cc: M. L. Dapas NRC Region IV Regional Administrator
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ENCLOSURE 1

Optical Storage Media (OSM) Electronic Files of PVNGS

TS Bases Revision 63 and TRM Revision 63

(See Enclosed OSM Disk)

ENCLOSURE 2

PVNGS

Technical Specification Bases Revision 63

and

TRM Revision 63

Summary of Changes

ENCLOSURE 2

PVNGS Technical Specification Bases Revision 63 and TRM Revision 63 Summary of Changes

Technical Specification (TS) Bases Revision 63 includes the following changes:

- LDCRs 10-B010 and 12-B001 reflect the removal of various post-accident sampling (PASS) valves. The removal of the components was authorized by License Amendment 136, dated September 28, 2001. Components have been removed over time based upon business considerations.
- LDCR 14-B002 reflects installation of the inverter modification which includes swing inverters that can be credited as 'required' inverters, if available. Changes are reflected in the TS Bases descriptions of LCOs 3.8.7, *Inverters – Operating*, and 3.8.8, *Inverters – Shutdown*.
- LDCRs 14-B007 and 16-B001 reflect conforming changes to the TS Bases to implement License Amendment 197, dated February 19, 2016, that removed second Required Action Completion Times for TS LCOs 3.7.5, *Auxiliary Feedwater System*, 3.8.1, *AC Sources – Operating*, and 3.8.9, *Distribution Systems – Operating*.
- LDCR 15-B002 added clarification to the TS Bases description of the *Applicable Safety Analyses* section of TS 3.7.17, *Spent Fuel Assembly Storage*. Specifically, a new sentence was added to indicate that core operating conditions, such as temperature and boron concentration, influence plutonium production which may increase discharged fuel reactivity. This clarification was an action from CRDR 4365817.
- LDCR 15-B006 provides clarification of various TS Bases descriptions. Specifically, the clarifications are the result of Condition Report 15-00354 which identified the need for the clarifications to TS Bases sections 3.1.2, 3.1.5, 3.2.2, 3.2.3 and 3.3.3 to improve reader understanding.
- LDCR 15-B005 removes Conditions 1 and 2 from the TS Bases description of Surveillance Requirement (SR) 3.1.6.1, as the information is contained in Calculation 13-JC-SF-0202, Revision 7. The calculation serves as the source document for procedure guidance for how to perform SR 3.1.6.1. This change is consistent with standard TS Bases protocols, in that the TS Bases typically describe the SR and why it is important, but not specifically how the test is to be performed.
- LDCR 15-B004 restores the TS Bases description regarding spent fuel pool storage rack cell locations that are required to be vacant. This change was a corrective action from CRDR 4627526.

These LDCRs were implemented in TS Bases Revision 63 which was made effective on May 12, 2016.

Technical Requirements Manual (TRM) includes the following changes, implemented in TRM Revision 63:

- LDCRs 10-R010 and 12-R002 - modified the TRM to reflect the removal of a number of Post-Accident Sampling System (PASS) valves from T7.0.300, *Containment Isolation Valves*, identified in TRM Section T7.0, *Component Lists*. License Amendment 136 authorized removal of the system, and the valves are being removed over time.

ENCLOSURE 2

PVNGS Technical Specification Bases Revision 63 and TRM Revision 63 Summary of Changes

- LDCR 15-R001 - modified the TRM to relocate the description of several containment isolation valves in T7.0.300, *Containment Isolation Valves*, identified in TRM Section T7.0, *Component Lists*. Specifically, the main steam isolation bypass valves and the safety injection (SI) drain valve from the drain tank are relocated from the "Normally Open ESF Actuated Closed" table to a new table that reflects "Normally Closed ESF Actuated Closed" valves. This change better reflects the actual valve positions during normal operation.
- LDCR 15-R007 - modified the TRM to clarify the functional testing requirements for the Refueling Machine in TLCO 3.9.102 and related TSR. Specifically, the numerical test value is replaced by a description of the elements of the operational load test. This change updates the TRM to reflect load changes that were implemented when the Refueling Machine was modified.
- LDCR 15-R008 - modified the TRM Bases to correct various typographical errors. The TRM Bases is being replaced in its entirety, even though the typographical corrections affect only a limited number of pages.

These LDCRs were implemented in TRM Revision 63 which was made effective on September 30, 2015.