

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8811090216 DOC. DATE: 88/10/21 NOTARIZED: NO DOCKET #
 FACIL: STN-50-528 Palo Verde Nuclear Station, Unit 1, Arizona Publi 05000528
 AUTH. NAME AUTHOR AFFILIATION
 SHRIVER, T.D. Arizona Nuclear Power Project (formerly Arizona Public Serv
 HAYNES, J.G. Arizona Nuclear Power Project (formerly Arizona Public Serv
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 86-063-00: on 860920, radioactive sealed source not
 surveillance tested.

W/8 ltr.

DISTRIBUTION CODE: IE22D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 5
 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

NOTES: Standardized plant.

05000528

RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
PD5 LA	1 1	PD5 PD	1 1
CHAN, T	1 1	DAVIS, M	1 1
INTERNAL: ACRS MICHELSON	1 1	ACRS MOELLER	2 2
ACRS WYLIE	1 1	AEOD/DOA	1 1
AEOD/DSP/TPAB	1 1	ARM/DCTS/DAB	1 1
DEDRO	1 1	NRR/DEST/ADS 7E	1 0
NRR/DEST/CEB 8H	1 1	NRR/DEST/ESB 8D	1 1
NRR/DEST/ICSB 7	1 1	NRR/DEST/MEB 9H	1 1
NRR/DEST/MTB 9H	1 1	NRR/DEST/PSB 8D	1 1
NRR/DEST/RSB 8E	1 1	NRR/DEST/SGB 8D	1 1
NRR/DLPQ/HFB 10	1 1	NRR/DLPQ/QAB 10	1 1
NRR/DOEA/EAB 11	1 1	NRR/DREP/RAB 10	1 1
NRR/DREP/RPB 10	2 2	NRR/DRIS/SIB 9A	1 1
NUDOCS-ABSTRACT	1 1	REG FILE 02	1 1
RES/DSIR/EIB	1 1	RES/DSR/PRAB	1 1
RGN5 FILE 01	1 1		
EXTERNAL: EG&G WILLIAMS, S	4 4	FORD BLDG HOY, A	1 1
H ST LOBBY WARD	1 1	LPDR	1 1
NRC PDR	1 1	NSIC HARRIS, J	1 1
NSIC MAYS, G	1 1		

NOTES: 1 1

NOTE TO ALL "RIDS" RECIPIENTS:

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AD
 [Handwritten signature]

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Palo Verde Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 5 2 8					PAGE (3) 1 OF 0 4	
TITLE (4) Radioactive Sealed Source Not Surveillance Tested																
EVENT DATE (5)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)						
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES				DOCKET NUMBER(S)			
0 9	2 0	8 6	8 6	0 6 3	0 0	1 0	3 1	8 8	Palo Verde Unit 2				0 5 0 0 0 5 2 9			
0 9	2 0	8 6	8 6	0 6 3	0 0	1 0	3 1	8 8	Palo Verde Unit 3				0 5 0 0 0 5 3 0			
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)														
1		20.402(b)				20.406(c)				50.73(a)(2)(iv)				73.71(b)		
POWER LEVEL (10)		20.406(a)(1)(i)				50.38(c)(1)				50.73(a)(2)(v)				73.71(c)		
1 0 0		20.406(a)(1)(ii)				50.38(c)(2)				50.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 368A)		
		20.406(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(vii)(A)						
		20.406(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(vii)(B)						
		20.406(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(ix)						
LICENSEE CONTACT FOR THIS LER (12)																
NAME										TELEPHONE NUMBER						
Timothy D. Shriver, Compliance Manager										AREA CODE						
										6 0 2		3 9 3 - 2 5 2 1				
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs						
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)												X NO				

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single space typewritten lines) (16)

On October 6, 1988 at approximately 1600 MST it was discovered that an error in ANPP's Radioactive Source Tracking System resulted in a radioactive sealed source not being leak tested once per six (6) months as required by Technical Specification 4.7.10.2(a). Upon discovery, a satisfactory leak test was performed and completed at approximately 1630 MST on October 6, 1988.

The cause of this event was a cognitive personnel error on the part of an ANPP Technician in that he inadvertently identified a 97.7 millicurie source as being a 97.7 microcurie source for surveillance tracking purposes.

As corrective action, all other entries in the Source Tracking System were verified to be correct. Information entered into the Source Tracking System will be independently verified. This event will be reviewed by personnel responsible for maintaining the Source Tracking System.

There have been no previous similar events reported pursuant to 10CFR50.73.

8811090216 881021
PDR ADOCK 05000528
S PDC

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO 3150-0104
EXPIRES: 8/31/88

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)				PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER				
Palo Verde Unit 1	0 5 0 0 0 5 2 8	8 6	— 0 6 3	— 0 0	0 2	OF	0	4

TEXT (If more space is required, use additional NRC Form 366A's) (17)

I. DESCRIPTION OF WHAT OCCURRED:

A. Initial Conditions:

At the time of the event on September 20, 1986, Palo Verde Units 1 and 2 were in Mode 1 (POWER OPERATION) at approximately 100 percent power. The event occurred in Unit 3 on March 25, 1987 when the Operating License was issued.

B. Reportable Event Description (Including Dates and Approximate Times of Major Occurrences):

Event Classification: Condition Prohibited by the Plant's Technical Specifications

At approximately 1600 MST on October 6, 1988, an ANPP Radiation Protection (RP) Technician (utility, non-licensed) discovered that a clerical error in ANPP's Source Tracking System resulted in a radioactive sealed source not being leak tested pursuant to Technical Specification requirements. This leak testing was required to have been performed by September 20, 1986. A satisfactory leak test was performed and completed at approximately 1630 MST on October 6, 1988.

Technical Specification 3.7.10 requires that each sealed source containing radioactive material in excess of 100 microcuries of beta and/or gamma emitting material be free of greater than or equal to 0.005 microcurie of removable contamination. Associated Surveillance Requirement 4.7.10.2(a) requires that sources in use be surveillance tested at least once per six (6) months.

On October 6, 1988, Unit 2 Radiation Protection personnel (utility, non-licensed) returned a radioactive sealed source to the ANPP Central Radiation Protection Calibration Lab. The source had been stored in Unit 2 and was periodically used by Unit 2 personnel for Radiation Monitoring System (IL) operational checks. However, due to the infrequency of use, Unit 2 personnel decided to transfer the source to the Central RP Calibration Lab for storage. When the source was delivered to the Central RP Calibration Lab, the individual (utility, non-licensed) updating the computerized Source Tracking System noted that the source was improperly listed as a 97.7 microcurie source. The source is actually a 97.7 millicurie source. Because the source was improperly listed as being less than 100 microcuries, no surveillance testing had been performed since the source was delivered to ANPP on February 2, 1986 (appropriate leak testing was satisfactorily performed upon delivery).

Following the discovery that the source had not been properly surveillance tested, appropriate leak testing was immediately performed in accordance with approved procedural controls.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO 3150-0104

EXPIRES: 8/31/88

FACILITY NAME (1) Palo Verde Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 5 2 8	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 6	0 6 3	0 0	0 3	OF	0 4

TEXT (If more space is required, use additional NRC Form 366A's) (17)

- C. Status of structures, systems, or components that were inoperable at the start of the event that contributed to the event:

Not applicable - no structures, systems, or components were inoperable which contributed to this event. However, the sealed source leak testing was performed upon receipt on February 2, 1986 and subsequently on October 6, 1988. The surveillance interval for the sealed source expired on September 20, 1986.

- D. Cause of each component or system failure, if known:

Not applicable - no component or system failures occurred.

- E. Failure mode, mechanism, and effect of each failed component, if known:

Not applicable - no component failures occurred.

- F. For failures of components with multiple functions, list of systems or secondary functions, that were also affected:

Not applicable - no component failures occurred.

- G. For failure that rendered a train of a safety system inoperable, estimated time elapsed from the discovery of the failure until the train was returned to service:

Not applicable - no failures occurred.

- H. Method of discovery of each component or system failure or procedural error:

Not applicable - there were no component or system failures or procedural errors.

- I. Cause of Event:

The root cause of this event was a cognitive personnel error on the part of an ANPP Technician (contractor, non-licensed) responsible for maintaining and updating the Source Tracking System. The source was delivered to ANPP on February 2, 1986, and upon receipt inspection, information concerning the source was entered into the Source Tracking System. The individual completing the documents utilized for source tracking inadvertently identified the 97.7 millicurie source as being a 97.7 microcurie source. Since it was perceived that the source was less than 100 microcuries, no tracking of the source was required for surveillance purposes.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO 3150-0104

EXPIRES: 8/31/88

FACILITY NAME (1) Palo Verde Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 5 2 8 8 6 — 0 6 3 — 0 0	LER NUMBER (8)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
					0 4	OF	0 4

TEXT (If more space is required, use additional NRC Form 366A's) (17)

The personnel error was a result of not adequately following approved procedural controls. The error was not a result of an error in an approved procedure and was not a result of an activity or task not covered by an approved procedure. There were no unusual characteristics of the work location that directly contributed to the event.

J. Safety System Response:

There were no safety system responses and none were necessary.

K. Failed Component Information:

Not applicable - there were no failed components.

II. ASSESSMENT OF THE SAFETY CONSEQUENCES AND IMPLICATIONS OF THIS EVENT:

There were no safety consequences or implications resulting from this event as there was no impact on the safe operation of the plant or the health and safety of the public. Leak Testing performed as a result of this event determined that source leakage in excess of Technical Specification limits had not occurred.

III. CORRECTIVE ACTIONS:

A. Immediate:

The radioactive source was appropriately leak tested satisfactorily and the Source Tracking System was updated with the correct information.

B. Action to Prevent Recurrence:

Information contained within the Source Tracking System was reviewed and verified to be accurate. Additionally, an independent verification will be performed on new information entered into the Source Tracking System to ensure that the data is accurate. The individual responsible for maintaining the computerized Source Tracking System in February 1986 is no longer employed at PVNGS. This event will be reviewed by personnel currently maintaining the Source Tracking System.

IV. PREVIOUS SIMILAR EVENTS:

There have been no previous similar events reported pursuant to 10CFR50.73.



Arizona Nuclear Power Project

• P.O. BOX 52034 • PHOENIX, ARIZONA 85072-2034

192-00427-JGH/TDS/DAJ
October 31, 1988

U. S. Nuclear Regulatory Commission
NRC Document Control Desk
Washington, D.C. 20555

Dear Sirs:

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Unit 1
Docket No. STN 50-528 (License No. NPF-41)
Licensee Event Report 86-063-00
File: 88-020-404

Attached please find Licensee Event Report (LER) No. 86-063-00 prepared and submitted pursuant to 10CFR 50.73. In accordance with 10CFR 50.73(d), we are herewith forwarding a copy of the LER to the Regional Administrator of the Region V office.

If you have any questions, please contact T. D. Shriver, Compliance Manager at (602) 393-2521.

Very truly yours,

J. G. Haynes
Vice President
Nuclear Production

JGH/TDS/DAJ/kj

Attachment

cc: D. B. Karner (all w/a)
E. E. Van Brunt, Jr.
J. B. Martin
T. J. Polich
M. J. Davis
A. C. Gehr
INPO Records Center

