

CATEGORY 2

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9910120251 DOC.DATE: 99/10/02 NOTARIZED: NO DOCKET #
FACIL:STN-50-528 Palo Verde Nuclear Station, Unit 1, Arizona Publi 05000528
STN-50-529 Palo Verde Nuclear Station, Unit 2, Arizona Publi 05000529
STN-50-530 Palo Verde Nuclear Station, Unit 3, Arizona Publi 05000530

AUTH:NAME AUTHOR AFFILIATION
POWERS,D.A. Region 4 (Post 820201)
RECIP.NAME RECIPIENT AFFILIATION
OVERBECK,G.R. Arizona Public Service Co. (formerly Arizona Nuclear Power

SUBJECT: Forwards insp repts 50-528/99-11,50-529/99-11 & 50-530/99-11
on 990614-0702 with inoffice insp continued until 990901 &
suppl onsite insp from 990830-0902.Violations occurred.&
being treated as NCVs.

DISTRIBUTION CODE: IE01F COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 6+50
TITLE: General (50 Dkt)-Insp Rept/Notice of Violation Response

NOTES:STANDARDIZED PLANT 05000528
Standardized plant. 05000529
Standardized plant. 05000530

Table with 4 columns: RECIPIENT ID CODE/NAME, COPIES LTRR ENCL, RECIPIENT ID CODE/NAME, COPIES LTRR ENCL. Includes entries for LPD4-2, KALYANAM,N, INTERNAL: ACRS, DEDRO, NRR/DIPM/IIPB, NRR/DRIP/REXB, OE, RGN4 FILE 01, EXTERNAL: LMITCO MARSHALL, NRC PDR, NOAC, NUDOCS FULLTEXT.

LOADED FROM
SYSTEM FILE

NOTE TO ALL "RIDS" RECIPIENTS:
PLEASE HELP US TO REDUCE WASTE. TO HAVE YOUR NAME OR ORGANIZATION REMOVED FROM DISTRIBUTION LISTS
OR REDUCE THE NUMBER OF COPIES RECEIVED BY YOU OR YOUR ORGANIZATION, CONTACT THE DOCUMENT CONTROL
DESK (DCD) ON EXTENSION 415-2083

TOTAL NUMBER OF COPIES REQUIRED: LTRR 18 ENCL 18



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-8064

OCT 2 1999

Gregg R. Overbeck, Senior Vice
President, Nuclear
Arizona Public Service Company
P.O. Box 52034
Phoenix, Arizona 85072-2034

SUBJECT: NRC INSPECTION REPORT NO. 50-528/99-11; 50-529/99-11; 50-530/99-11

Dear Mr. Overbeck:

This refers to the inspection conducted on June 14 through July 2, 1999, at the Palo Verde Nuclear Generating Station, Units 1, 2, and 3, facility. Additional review and inspection were performed in the Region IV Office until September 1, 1999. Supplemental onsite inspection was also conducted August 30 through September 2, 1999. This inspection assessed your containment spray system, 125Vdc power system, and portions of your containment isolation systems for conformance to applicable regulatory requirements for the Palo Verde Nuclear Generating Station. The enclosed report presents the results of this inspection.

At the end of the first onsite period of the inspection, the team leader conducted an exit meeting with you and members of your staff on July 2, 1999. Following this exit meeting, your staff provided the inspection team with additional requested information. New information was provided to the team in several telephonic conferences and during the supplemental onsite inspection. This new information changed some of the preliminary findings discussed in the exit meeting, necessitating a followup exit meeting that was conducted via teleconference on September 30, 1999.

Overall, we concluded that the containment spray and 125Vdc systems conformed to their design and licensing bases and were capable of performing their intended safety functions. However, we identified numerous errors in design calculations, procedures, and the Updated Safety Analysis Report. While none of these errors individually constituted operability problems, the number of issues revealed problems in the implementation of your design control program which, under different circumstances, may have been more significant. Examples of problems identified by the team included: (1) improper assumptions, references, and input associated with design calculations; (2) inconsistencies among the Updated Final Safety Analysis Report, design basis calculations, setpoints, and the installed configuration; and (3) failure to translate changes to design basis calculations, drawings, and procedures. Some of these errors appeared to have been caused by a lack of a fully effective process for identifying the interrelationship between calculations.

The team identified several examples in which your engineering staff failed to follow through completely with changes to design basis calculations resulting from changes in the source calculations or other inputs. One potential cause of this failure is the practice of relying on

9910120291 991002
PDR ADDCK 05000528
Q PDR



engineering judgement to determine whether the individual significance of a change warrants an update to the affected calculations. While such changes may be minor, the collective impact, which because of your current practices may not be recognized by your staff, could result in unintended or unacceptable degradations. Accordingly, we stress that revising design basis calculations to reflect changes and modifications, regardless of the impact of each individual change, is an essential element in the maintenance of your plant's design basis. We, therefore, encourage you to review your policies, processes, and practices to ensure that the plant's design basis and licensing basis is appropriately maintained.

Based on the results of this inspection, the NRC has determined that violations of NRC requirements occurred, all of which are being treated as noncited violations, consistent with Appendix C of the Enforcement Policy. The noncited violations are described in the subject inspection report. If you contest any of the violations or severity level of the noncited violations, you should provide a response within 30 days of the date of this inspection report, with the basis for your denial, to the Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, DC 20555-0001, with copies to the Regional Administrator, Region IV; the Director, Office of Enforcement, United States Nuclear Regulatory Commission, Washington, DC 20555-0001; and the NRC Resident Inspector at the Palo Verde Nuclear Generating Station.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be placed in the NRC Public Document Room.

Should you have any questions concerning this inspection, we will be pleased to discuss them with you.

Sincerely,

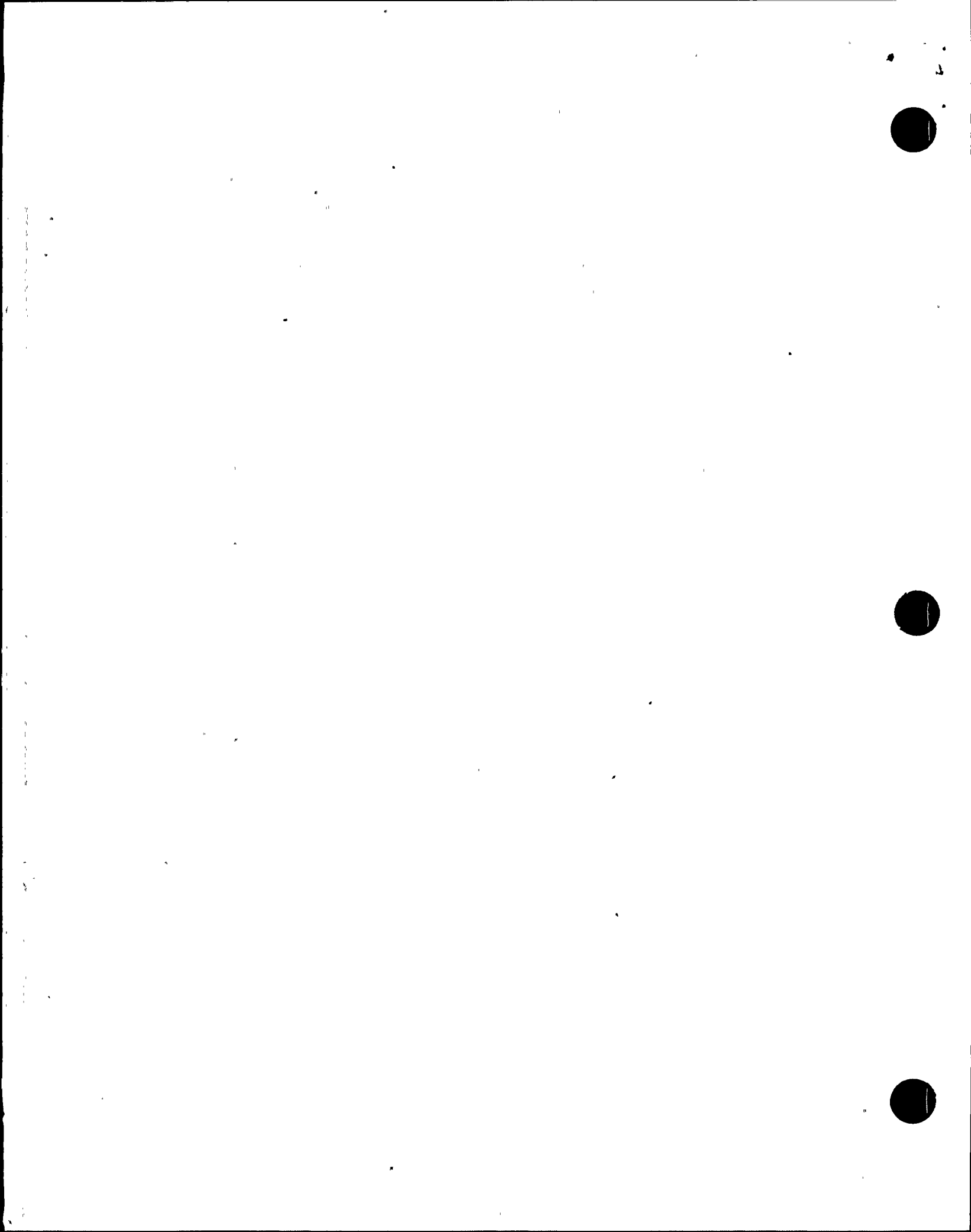


Dr. Dale A. Powers, Chief
Engineering and Maintenance Branch
Division of Reactor Safety

Docket Nos.: 50-528; 50-529; 50-530
License Nos.: NPF-41; NPF-51; NPF-74

Enclosure:
NRC Inspection Report No.
50-528/99-11; 50-529/99-11; 50-530/99-11

cc w/enclosure:
Steve Olea
Arizona Corporation Commission
1200 W. Washington Street
Phoenix, Arizona 85007



Douglas K. Porter, Senior Counsel
Southern California Edison Company
Law Department, Generation Resources
P.O. Box 800
Rosemead, California 91770

Chairman
Maricopa County Board of Supervisors
301 W. Jefferson, 10th Floor
Phoenix, Arizona 85003

Aubrey V. Godwin, Director
Arizona Radiation Regulatory Agency
4814 South 40 Street
Phoenix, Arizona 85040

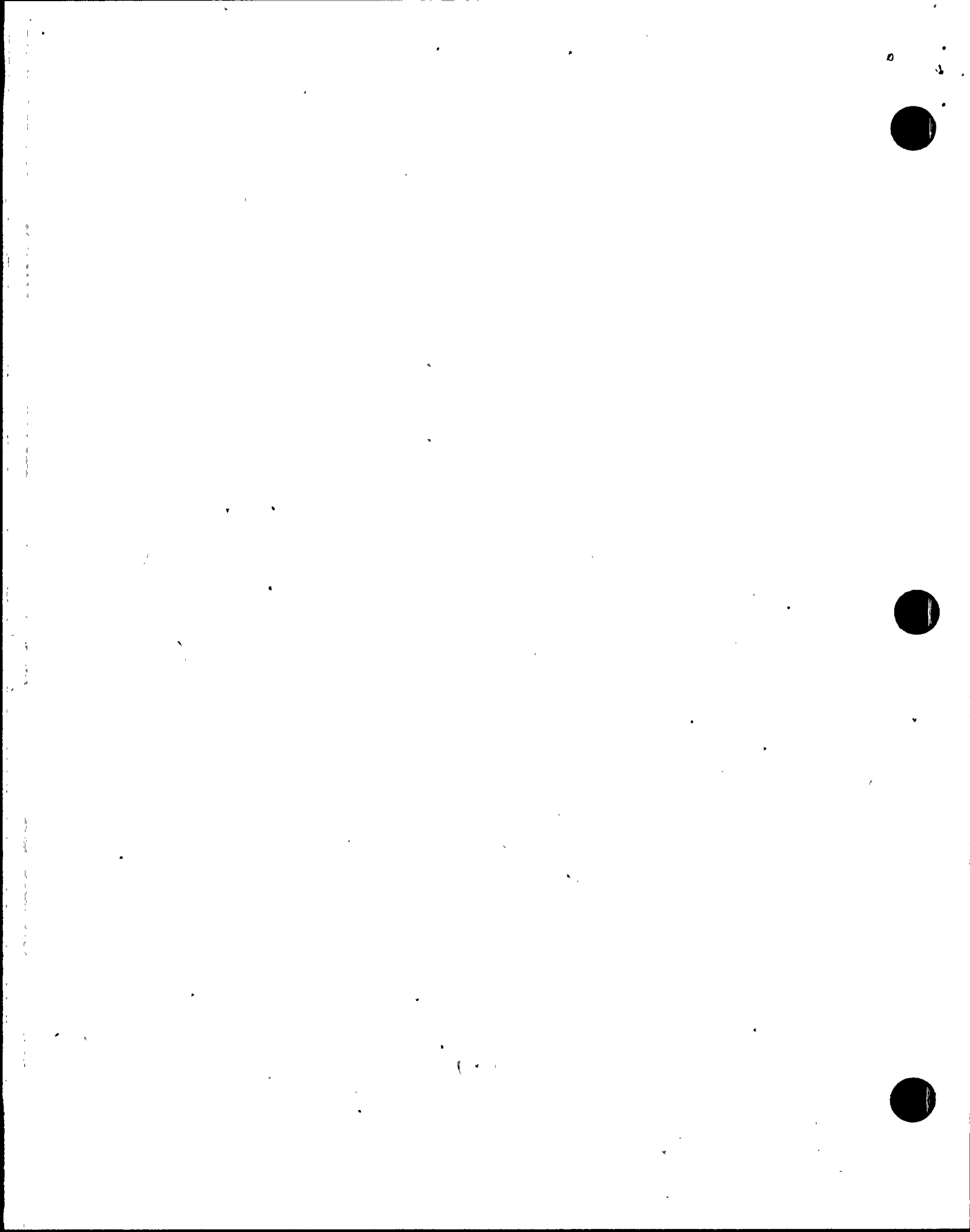
Angela K. Krainik, Director
Regulatory Affairs
Arizona Public Service Company
P.O. Box 52034
Phoenix, Arizona 85072-2034

John C. Horne, Vice President,
Power Generation
El Paso Electric Company
2702 N. Third Street, Suite 3040
Phoenix, Arizona 85004

Terry Bassham, Esq.
General Counsel
El Paso Electric Company
123 W. Mills
El Paso, Texas 79901

John W. Schumann
Los Angeles Department of Water & Power
Southern California Public Power Authority
P.O. Box 51111, Room 1255-C
Los Angeles, California 90051-0100

David Summers
Public Service Company of New Mexico
414 Silver SW, #1206
Albuquerque, New Mexico 87102



Arizona Public Service Company

-4-

Jarlath Curran
Southern California Edison Company
5000 Pacific Coast Hwy. Bldg. DIN
San Clemente, California 92672

Robert Henry
Salt River Project
6504 East Thomas Road
Scottsdale, Arizona 85251



E-Mail report to T. Frye (TJF)
 E-Mail report to D. Lange (DJL)
 E-Mail report to NRR Event Tracking System (IPAS)
 E-Mail report to Document Control Desk (DOCDESK)
 E-Mail report to Richard Correia (RPC)

bcc to DCD (IE01)

bcc distrib. by RIV:

Regional Administrator
 Palo Verde Senior Resident Inspector (2)
 DRP Director
 DRS Director
 MIS System
 Branch Chief (DRP/D)
 Project Engineer (DRP/D)
 Branch Chief (DRP/TSS)
 RIV File

DOCUMENT NAME: R:_PVPV91\RP.RLN.wpd

To receive copy of document, indicate in box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

RIV:SRI:EMB	SRI:EMB	RI:EMB	RI:EMB	C:EMB
RLNease/lmb	LEEllershaw	PAGoldberg	WMMcNeill	DAPowers
09/20/99	09/20/99	09/20/99	09/20/99	09/28/99
C:PBD	C:EMB			
PHHartel	DAPowers			
09/20/99	09/22/99			

OFFICIAL RECORD COPY



E-Mail report to T. Frye (TJF)
 E-Mail report to D. Lange (DJL)
 E-Mail report to NRR Event Tracking System (IPAS)
 E-Mail report to Document Control Desk (DOCDESK)
 E-Mail report to Richard Correia (RPC)

bcc to DCD (IE01)

bcc distrib. by RIV:

Regional Administrator
 Palo Verde Senior Resident Inspector (2)
 DRP Director
 DRS Director
 MIS System
 Branch Chief (DRP/D)
 Project Engineer (DRP/D)
 Branch Chief (DRP/TSS)
 RIV File

DOCUMENT NAME: R:_PVPV91\RP.RLN.wpd

To receive copy of document, indicate in box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

RIV:SRI:EMB	SRI:EMB	RI:EMB	RI:EMB	C:EMB
RLNease/lmb	LEEllershaw	PAGoldberg	WMMcNeill	DAPowers
09/20/99	09/20/99	09/20/99	09/20/99	09/20/99
C:PBD	C:EMB			
PHHartel	DAPowers			
09/20/99	09/20/99			

OFFICIAL RECORD COPY

120003

