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STN-50-529	Palo Verde Nuclear Station, Unit 2, Arizona	Publi	05000529			
STN-50-530	Palo Verde Nuclear Station, Unit 3, Arizona	Publi	05000530			
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RECIP,NAME	RECIPIENT AFFILIATION					
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SUBJECT: Forwards radiochemistry blind program results for third quarter 1994.

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WILLIAM L. STEWART
EXECUTIVE VICE PRESIDENT
NUCLEAR

102-03192-WLS/SAB/JRP
November 21, 1994

U. S. Nuclear Regulatory Commission
ATTN: Dr. Blair J. Nicholas
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

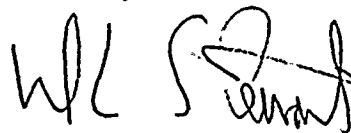
Dear Dr. Nichols:

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Units 1, 2, and 3
Docket Nos. STN 50-528/529/530
Results of Radiochemistry Cross-Check Program
File: 94-056-026

Enclosed please find the Analytics™ Radiochemistry Blind Program Results for the third quarter of 1994 (the enclosed is in response to the NRC capability testing results). The Analytics™ strontium blinds were separated and analyzed along with the NRC blinds (in the same suit of samples). These samples were all performed using the single separation method.

The NRC capability test samples for strontium had activity levels lower than the needed sensitivity for our applications. Should you have any questions, please call Scott A. Bauer at (602) 393-5978.

Sincerely,



WLS/SAB/JRP/rv
Enclosure

cc: Document Control Desk (Original)
L. J. Callan
K. E. Perkins
B. E. Holian
K. E. Johnston

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RESULTS OF RADIOCHEMISTRY CROSS CHECK PROGRAM

ARIZONA PUBLIC SERVICE

Third Quarter 1994

SAMPLE	ANALYSIS	UNIT 1 VALUE microCi/cc	ANALYTICS VALUE microCi/cc	RATIO UNIT 1: ANALYTICS	RESOLUTION	COMPARISON

A4998-111	CE-141	1.23E-02	1.27E-02	0.97	20	AGREEMENT
LIQUID	CR-51	2.80E-02	2.96E-02	0.95	20	AGREEMENT
	CS-134	4.55E-03	4.95E-03	0.92	20	AGREEMENT
	CS-137	3.16E-03	3.06E-03	1.03	20	AGREEMENT
	CO-58	5.27E-03	5.21E-03	1.01	20	AGREEMENT
	MN-54	6.83E-03	6.65E-03	1.03	20	AGREEMENT
	FE-59	6.08E-03	6.01E-03	1.01	20	AGREEMENT
	ZN-65	8.58E-03	8.49E-03	1.01	20	AGREEMENT
	CO-60	9.80E-03	1.01E-02	0.97	20	AGREEMENT

A5001-111	I-131	2.17E-01	2.01E-01	1.08	20	AGREEMENT
CARTRIDGE						

A4999-11	XE-133	1.45E-01	1.63E-01	0.89	20	AGREEMENT
GAS	KR-85	2.64E+00	2.97E+00	0.89	20	AGREEMENT

A4997-111	TRITIUM	1.05E-03	1.09E-03	0.96	12.5	AGREEMENT
LIQUID						

A4996-111	SR-89	5.45E-03	5.23E-03	1.04	17	AGREEMENT
LIQUID	SR-90	2.94E-04	3.26E-04	0.90	12.5	AGREEMENT

A5000-111	GROSS ALPHA	1.22E-03	1.03E-03	1.19	12.5	AGREEMENT
FILTER						



Robert J. Huallett 7-30-94
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 404 352-8677



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RESULTS OF RADIOCHEMISTRY CROSS CHECK PROGRAM

ARIZONA PUBLIC SERVICE

Third Quarter 1994

SAMPLE	ANALYSIS	UNIT 2 VALUE microCi/cc	ANALYTICS VALUE microCi/cc	RATIO UNIT 2: ANALYTICS	RESOLUTION	COMPARISON

A4998-111	CE-141	1.32E-02	1.27E-02	1.04	20	AGREEMENT
LIQUID	CR-51	2.89E-02	2.96E-02	0.98	20	AGREEMENT
	CS-134	4.66E-03	4.95E-03	0.94	20	AGREEMENT
	CS-137	3.29E-03	3.06E-03	1.08	20	AGREEMENT
	CO-58	5.26E-03	5.21E-03	1.01	20	AGREEMENT
	MN-54	6.95E-03	6.65E-03	1.05	20	AGREEMENT
	FE-59	6.12E-03	6.01E-03	1.02	20	AGREEMENT
	ZN-65	8.94E-03	8.49E-03	1.05	20	AGREEMENT
	CO-60	1.00E-02	1.01E-02	0.99	20	AGREEMENT

A5001-111	I-131	2.00E-01	2.01E-01	0.99	20	AGREEMENT
CARTRIDGE						

A4999-11	XE-133	1.27E-01	1.63E-01	0.78	20	AGREEMENT
GAS	KR-85	2.46E+00	2.97E+00	0.83	20	AGREEMENT

A4997-111	TRITIUM	1.02E-03	1.09E-03	0.93	12.5	AGREEMENT
LIQUID						

A4996-111	SR-89	5.50E-03	5.23E-03	1.05	17	AGREEMENT
LIQUID	SR-90	2.68E-04	3.26E-04	0.82	12.5	AGREEMENT

A5000-111	GROSS ALPHA	1.13E-03	1.03E-03	1.10	12.5	AGREEMENT
FILTER						



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RESULTS OF RADIOCHEMISTRY CROSS CHECK PROGRAM

ARIZONA PUBLIC SERVICE

Third Quarter 1994

SAMPLE	ANALYSIS	UNIT 3 VALUE microCi/cc	ANALYTICS VALUE microCi/cc	RATIO UNIT 3: ANALYTICS	RESOLUTION	COMPARISON

A4998-111	CE-141	1.29E-02	1.27E-02	1.01	20	AGREEMENT
LIQUID	CR-51	2.61E-02	2.96E-02	0.88	20	AGREEMENT
	CS-134	4.66E-03	4.95E-03	0.94	20	AGREEMENT
	CS-137	3.13E-03	3.06E-03	1.02	20	AGREEMENT
	CO-58	5.02E-03	5.21E-03	0.96	20	AGREEMENT
	MN-54	6.86E-03	6.65E-03	1.03	20	AGREEMENT
	FE-59	6.33E-03	6.01E-03	1.05	20	AGREEMENT
	ZN-65	9.19E-03	8.49E-03	1.08	20	AGREEMENT
	CO-60	1.02E-02	1.01E-02	1.01	20	AGREEMENT

A5001-111	I-131	1.96E-01	2.01E-01	0.97	20	AGREEMENT
CARTRIDGE						

A4999-11	XE-133	1.68E-01	1.63E-01	1.03	20	AGREEMENT
GAS	KR-85	2.87E+00	2.97E+00	0.97	20	AGREEMENT

A4997-111	TRITIUM	1.01E-03	1.09E-03	0.93	12.5	AGREEMENT
LIQUID						

A4996-111	SR-89	5.34E-03	5.23E-03	1.02	17	AGREEMENT
LIQUID	SR-90	3.31E-04	3.26E-04	1.02	12.5	AGREEMENT

A5000-111	GROSS ALPHA	1.26E-03	1.03E-03	1.23	12.5	AGREEMENT
FILTER						



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