



A subsidiary of Pinnacle West Capital Corporation

Martin P. Eroh

Acting Department Leader
Environmental
Palo Verde Nuclear
Generating Station

Tel. 623-393-6688
Fax 623-393-5442
e-mail Martin.Eroh@aps.com

Mail Station 7626
PO Box 52034
Phoenix, Arizona 85072-2034

291-04107-MPE/HCL/DRC

March 31, 2009

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Arizona Department of Water Resources
Groundwater Management Division
3550 North Central Avenue
Phoenix, AZ 85012-2105

Dear Sir or Madam:

2008 ANNUAL WATER WITHDRAWAL AND USE REPORT

Enclosed, is the 2008 Annual Water Withdrawal and Use Report for Groundwater Right 58-114051.0001 for the Palo Verde Nuclear Generating Station. In addition, the 2008 Annual Water Withdrawal and Use Reports are included in this submittal for the following permits: Temporary Dewatering Permit #59-208827.0001; Emergency Dewatering Permit #59-218220.0000; Hydrological Testing Permit #59-214658.0000; and Hydrological Testing Permit #59-217600.0000.

Enclosed, are APS checks for \$10,415.62 which covers the fees for Groundwater Right 58-114051.0001, \$14.39 for Temporary Dewatering Permit #59-208827.0001; \$ 0.15 for Emergency Dewatering Permit 59-218220.0000; \$57.70 for Hydrological Testing Permit #59-214658.0000; and \$52.48 for Hydrological Testing Permit #59-217600.0000.

Please contact Mr. Harvey Lesan at (623) 393-6490 should you have any questions regarding this submittal.

Sincerely,

MPE/HCL/DRC/hsc

Enclosures: 2008 Annual Water Withdrawal and Use Reports
Five APS Checks for \$10,415.62; \$14.39; \$0.15; \$57.70; and \$52.48

cc: Ms. D. Crawford, APS

ATTACHMENT
2008 ADWR Ground Water Withdrawal
and
Use Reports

GROUNDWATER RIGHT
58-114051.0001

ANNUAL WATER WITHDRAWAL AND USE REPORT

GROUNDWATER SUMMARY - WQ 2008

OWNER OF GROUNDWATER RIGHT

ARIZONA PUBLIC SERVICE CO
ATTN: HENRY DAY
PO BOX 52034, MS-7626
PHOENIX AZ 85072-3999

TYPE OF RIGHT

TYPE 1 GFR

RIGHT / PERMIT NO.

58-114051.0001

REPORTING PARTY

58-114051.0001

PALO VERDE NUCLEAR GENERATING STATION (PVNGS) WITHDRAWAL AUTHORITY ALLOTMENT: 5171.00 AF
P.O. BOX 52034 MS 7626
PHOENIX AZ 85072

PHOENIX AMA (602) 771-8585
LOCATION: E2 33 1.0N 6.0W

FACILITY NAME:

PALO VERDE POWER PLANT

If any of the information preprinted on this report is incorrect, please make the necessary changes.

PART I GROUNDWATER WITHDRAWN

From Box 14 Schedule A attached
Complete this section only if you operate a non-exempt well.

2034.3 \$ 3.00 \$ 6102.90

ACRE - FEET X Withdrawal Fee =

PART II WATER DELIVERED TO OTHER RIGHTS

From Box 24 Schedule D attached

0 ACRE - FEET

PART III WATER RECEIVED FROM OTHER SOURCES

Total from Schedule E attached

0 ACRE - FEET

PART IV TOTAL WATER USED BY THIS RIGHT

Calculate as follows: Part I + Part III - Part II

2034.3 ACRE - FEET

PART V LATE FEES

Complete if filing after March 31.

Note: A portion of a month after March 31 is counted as a full month.

1) Enter number of months late 0 (Maximum of 6)

2) Calculate Late Report Fee \$ 0
((\$25.00 X number of months late)

3) Calculate Late Payment Fee \$ 0
(10 % X number of months late X withdrawal fee calculated in Part I above)

PART VI WATER QUALITY

From WQARF Worksheet attached \$ 4312.72

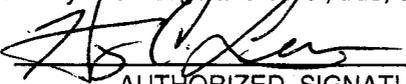
PART VII TOTAL FEES DUE

Add amounts from Parts I, V and VI \$ 10,415.62

Mail or hand deliver this report, together with the appropriate schedules, worksheets and fees to the Arizona Department of Water Resources. If mailed, the report must be postmarked no later than March 31, 2009. If hand delivered, the report must be received by the Department's Records Management Unit or local AMA office no later than 5:00 PM on March 31, 2009.

REPORTS FILED AFTER MARCH 31, 2009 ARE SUBJECT TO LATE FEES (A.R.S. § 45-632) AND PAYMENT OF PREVIOUSLY WAIVED MONETARY PENALTIES ASSOCIATED WITH PRIOR GROUNDWATER CODE VIOLATIONS.

I hereby certify, under penalty of perjury, that the information contained in this report is, to the best of my knowledge and belief, true, correct and complete.

X 
AUTHORIZED SIGNATURE

Environmental Section Leader
TITLE

03-20-2009
DATE

Harvey C. Lesan

623-393-6490

PRINTED NAME

TELEPHONE NUMBER

NOTE: THIS REPORT MUST BE FILED EVEN IF NO WATER WAS USED PURSUANT TO THIS RIGHT.

WQARF WORKSHEET
 WATER QUALITY ASSURANCE
 REVOLVING FUND

ANNUAL REPORT 2008

OWNER
 Arizona Public Service Co

RIGHT/PERMIT NUMBER
 58-114051.0001

WORKSHEET FOR DETERMINING WHICH GROUNDWATER WITHDRAWALS ARE SUBJECT TO PAYMENT OF WATER QUALITY ASSURANCE REVOLVING FUND (WQARF) FEES AND FOR CALCULATION OF FEES DUE

TO CALCULATE WQARF FEES OWED:

- Enter in Box A the total groundwater withdrawn pursuant to this right/permit, as reported on Part I of the Annual Water Withdrawal and Use Report Summary page

A.
 Acre-Feet

- Calculate groundwater withdrawn pursuant to this right/permit that is NOT subject to the WQARF fee as follows:

- Enter in Box 1 the amount of groundwater (if any) withdrawn by a city, town, private water company, or county improvement district.

Box 1
 Acre-Feet

Note: Groundwater withdrawn by a city, town, private water company, or county improvement district and delivered to customers for use and not for resale is subject to a tax on potable water imposed by A.R.S. § 42-5302.

- Enter in Box 2 the amount of groundwater (if any) withdrawn pursuant to a withdrawal permit but **not** put to a beneficial use (e.g. pumped from well directly into a riverbed or sewer, etc.)

Box 2
 Acre-Feet

- Enter in Box 3 the amount of groundwater (if any) withdrawn and used within the Buckeye waterlogged area pursuant to a drainage water withdrawal permit.

Box 3
 Acre-Feet

- Add the total of amounts entered in Boxes 1 + 2 + 3 above; this total is the amount of groundwater exempted from WQARF fee. Enter this amount in Box B.

B.
 Acre-Feet

- Calculate the amount of groundwater that is subject to WQARF fee, and for which WQARF fees are owed:

- Total WQARF fees owed: Box A - Box B =

Box C
 (Acre-feet on which WQARF fees apply)

X \$2.12 =

WQARF Fees owed

Transfer the amount of WQARF fees to Part VI of the Summary Page.

Note: WQARF fees MUST BE REPORTED AND PAID at the time the Annual Water Withdrawal and Use Report is filed and the withdrawal fees paid, but NOT LATER THAN MARCH 31, 2009.

WORKSHEET W-1 2008

GROUNDWATER RIGHT/PERMIT/ 58-114051.0001
BMP Farm Unit NO.

1	DWR WELL REGISTRATION NO.	10 Q	40 Q	160 Q	LOCATION Sec Twn Rng		
	55-613122	SW	NW	SW	27	1.0N	6.0W
2	TYPE OF MEASURING DEVICE TOTALIZER	MAKE / MODEL N/A					
	SIZE N/A	UNITS MEASURED N/A					
	INSTALLATION OR OVERHAUL DATE NO METER - WELL NOT IN SERVICE						
3	POWER CO. NAME ARIZONA PUBLIC SERVICE	ACCOUNT NO. N/A	POWER METER NO. N/A				
	ENERGY CONSUMPTION N/A		UNITS N/A				

4 DOES ENERGY METER SERVE USES OTHER THAN THE WELL PUMP ? Yes No

ENTER "Y" OR "N" IN COLUMN 5 OF SCHEDULE A

WATER TOTALIZING METER READINGS		
5 INITIAL	6 ENDING	7 DIFFERENCE
N/A	N/A	N/A

IF METER WAS REPLACED DURING THE YEAR, INDICATE BEGINNING AND ENDING READING FOR EACH METER IN THE BOXES ABOVE.

8 ACRE FEET	0	9 BREAKDOWN ESTIMATE	N/A
-------------	---	----------------------	-----

Enter total Acre-feet
Shown in 10 in Column 13 of Schedule A

10 TOTAL IN ACRE-FEET	N/A
-----------------------	-----

1	DWR WELL REGISTRATION NO.	10 Q	40 Q	160 Q	LOCATION Sec Twn Rng		
	55-613123	SW	SW	SE	27	1.0N	6.0W
2	TYPE OF MEASURING DEVICE TOTALIZER	MAKE / MODEL MCCROMETER 86.10.559					
	SIZE 10 INCHES	UNITS MEASURED 1000 GALLONS					
	INSTALLATION OR OVERHAUL DATE INSTALLATION 11/07/07						
3	POWER CO. NAME ARIZONA PUBLIC SERVICE	ACCOUNT NO. N/A	POWER METER NO. 465704				
	ENERGY CONSUMPTION 158480		UNITS kWh				

4 DOES ENERGY METER SERVE USES OTHER THAN THE WELL PUMP ? Yes No

ENTER "Y" OR "N" IN COLUMN 5 OF SCHEDULE A

WATER TOTALIZING METER READINGS		
5 INITIAL	6 ENDING	7 DIFFERENCE
16507	94069	77562

IF METER WAS REPLACED DURING THE YEAR, INDICATE BEGINNING AND ENDING READING FOR EACH METER IN THE BOXES ABOVE.

8 ACRE FEET	238.0	9 BREAKDOWN ESTIMATE	N/A
-------------	-------	----------------------	-----

Enter total Acre-feet
Shown in 10 in Column 13 of Schedule A

10 TOTAL IN ACRE-FEET	238.0
-----------------------	-------

1	DWR WELL REGISTRATION NO.	10 Q	40 Q	160 Q	LOCATION Sec Twn Rng		
	55-613124	NW	NW	NE	34	1.0N	6.0W
2	TYPE OF MEASURING DEVICE TOTALIZER	MAKE / MODEL MCCROMETER 03.047.0510 / 03.047.0310 / 03.047.0510					
	SIZE 10 INCHES	UNITS MEASURED 1000 GALLONS					
	INSTALLATION OR OVERHAUL DATE 05/23/09 REPLACED WITH 03.047.0310 / 08/26/09 REPLACED WITH 03.047.0510						
3	POWER CO. NAME ARIZONA PUBLIC SERVICE	ACCOUNT NO. N/A	POWER METER NO. 371857				
	ENERGY CONSUMPTION 2461920		UNITS kWh				

4 DOES ENERGY METER SERVE USES OTHER THAN THE WELL PUMP ? Yes No

ENTER "Y" OR "N" IN COLUMN 5 OF SCHEDULE A

WATER TOTALIZING METER READINGS		
5 INITIAL	6 ENDING	7 DIFFERENCE
206737 / 0 / 62	426398 / 152983 / 212701	219661 / 152983 / 212639

IF METER WAS REPLACED DURING THE YEAR, INDICATE BEGINNING AND ENDING READING FOR EACH METER IN THE BOXES ABOVE.

8 ACRE FEET	1796.2	9 BREAKDOWN ESTIMATE	N/A
-------------	--------	----------------------	-----

Enter total Acre-feet
Shown in 10 in Column 13 of Schedule A

10 TOTAL IN ACRE-FEET	1796.2
-----------------------	--------

1	DWR WELL REGISTRATION NO.	10 Q	40 Q	160 Q	LOCATION Sec Twn Rng		
	55-900619	NE	SE	NW	10	1.0S	6.0W
2	TYPE OF MEASURING DEVICE TOTALIZER	MAKE / MODEL SENSUS / SRII					
	SIZE 3 INCHES	UNITS MEASURED GALLONS					
	INSTALLATION OR OVERHAUL DATE INSTALLATION 07/29/04						
3	POWER CO. NAME ARIZONA PUBLIC SERVICE	ACCOUNT NO. N/A	POWER METER NO. H74241				
	ENERGY CONSUMPTION 609		UNITS kWh				

4 DOES ENERGY METER SERVE USES OTHER THAN THE WELL PUMP ? Yes No

ENTER "Y" OR "N" IN COLUMN 5 OF SCHEDULE A

WATER TOTALIZING METER READINGS		
5 INITIAL	6 ENDING	7 DIFFERENCE
10690	13291	2601

IF METER WAS REPLACED DURING THE YEAR, INDICATE BEGINNING AND ENDING READING FOR EACH METER IN THE BOXES ABOVE.

8 ACRE FEET	0.080	9 BREAKDOWN ESTIMATE	N/A
-------------	-------	----------------------	-----

Enter total Acre-feet
Shown in 10 in Column 13 of Schedule A

10 TOTAL IN ACRE-FEET	0.080
-----------------------	-------

SCHEDULE G-3

ARIZONA DEPARTMENT OF WATER RESOURCES

ELECTRICAL POWER OPERATIONS

Facility Name: Palo Verde Nuclear Generating Station

ANNUAL REPORT 2008

Facility No.: 13-213001.000

Facility Owner : Arizona Public Service Co.
 Contact Name: Henry Day
 Contact Address: Arizona Public Service
PO Box 52034, MS 7626
Phoenix, Arizona 85072-2034
 Contact Phone: 623-393-6567

Rights Used at Facility:	
<u>56-002030.0000</u>	<u>58-114051.0001</u>
_____	_____
_____	_____
_____	_____

If you received an annual use letter from an irrigation district or municipal provider, please submit a copy of their letter with your 2008 Annual Water Withdrawal and Use Report to validate deliveries received.

Pursuant to Chapter 6 of the Third Management Plan of your Active Management Area, all electric power operations are required to supply the following information. Please complete one form per electrical power plant. Instructions are listed on the reverse side of this form.

PART 1 - FACILITY TOWER INFORMATION

Tower #	Date of Construction	Cooling Capacity (tons)
Unit 1	1977-1978	764,830
Unit 2	1977-1978	764,830
Unit 3	1977-1978	764,830

Tower #	Date of Modification	Cooling Capacity (tons)

PART 2 - INDIVIDUAL TOWERS

Tower	Avg Cycles of concentration	Non-Exempt Y/N	Blowdown produced (acre-feet)	Blowdown TDS (ppm)	Makeup TDS (ppm)	Type of Water	Percent of Effluent use
Unit 1	24.8	Y	910.80	22792	918	Effluent	100
Unit 2	26.4	Y	791.40	23955	918	Effluent	100
Unit 3	24.7	Y	926.02	22683	918	Effluent	100

PART 3 - FACILITY INFORMATION

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Power Generated X 1000 MWH	2291	2783	2872	1908	1971	2499	2927	2931	2577	2047	1945	2490	29241
Fully operational use periods (days/mo)	31	29	31	30	31	30	31	31	30	31	30	31	366

PART 4 - ALL WATER RECIEVED

Amount of water	Metered		Type of Water	Purpose
	Yes	No		
65,990	X		Secondary-Treated Effluent	Condenser Cooling
2,034	X		Groundwater	Domestic, Fire Protection, Demineralized water

TEMPORARY DEWATERING PERMIT
59-208827.0001

WQARF WORKSHEET

WATER QUALITY ASSURANCE
REVOLVING FUND

ANNUAL REPORT 2008

OWNER

RDE NUCLEAR GENERATING STATION

RIGHT/PERMIT NUMBER

59-208827.0001



WORKSHEET FOR DETERMINING WHICH GROUNDWATER WITHDRAWALS ARE SUBJECT TO PAYMENT OF WATER QUALITY ASSURANCE REVOLVING FUND (WQARF) FEES AND FOR CALCULATION OF FEES DUE

TO CALCULATE WQARF FEES OWED:

- Enter in Box A the total groundwater withdrawn pursuant to this right/permit, as reported on Part I of the Annual Water Withdrawal and Use Report Summary page

A. Acre-Feet

- Calculate groundwater withdrawn pursuant to this right/permit that is NOT subject to the WQARF fee as follows:

- Enter in Box 1 the amount of groundwater (if any) withdrawn by a city, town, private water company, or county improvement district.

Box 1
Acre-Feet

Note: Groundwater withdrawn by a city, town, private water company, or county improvement district and delivered to customers for use and not for resale is subject to a tax on potable water imposed by A.R.S. § 42-5302.

- Enter in Box 2 the amount of groundwater (if any) withdrawn pursuant to a withdrawal permit but **not** put to a beneficial use (e.g. pumped from well directly into a riverbed or sewer, etc.)

Box 2
Acre-Feet

- Enter in Box 3 the amount of groundwater (if any) withdrawn and used within the Buckeye waterlogged area pursuant to a drainage water withdrawal permit.

Box 3
Acre-Feet

- Add the total of amounts entered in Boxes 1 + 2 + 3 above; this total is the amount of groundwater exempted from WQARF fee. Enter this amount in Box B.

B. Acre-Feet

- Calculate the amount of groundwater that is subject to WQARF fee, and for which WQARF fees are owed:

- Total WQARF fees owed: Box A - Box B =

Box C
(Acre-feet on which WQARF fees apply)

X \$2.12 = WQARF Fees owed

Transfer the amount of WQARF fees to Part VI of the Summary Page.

Note: WQARF fees MUST BE REPORTED AND PAID at the time the Annual Water Withdrawal and Use Report is filed and the withdrawal fees paid, but NOT LATER THAN MARCH 31, 2009.

SCHEDULE G-5

GENERAL INDUSTRIAL USERS

ANNUAL REPORT 2008

ARIZONA DEPARTMENT OF WATER RESOURCES

Facility Name: Palo Verde Nuclear Generating Station

Facility No.: 13-2130001.0000

Facility Owner: Arizona Public Service

Contact Name: Henry Day

Contact Address: Arizona Public Service
PO Box 52034 MS 7626
Phoenix, AZ 85072-2034

Contact Phone: 623-393-6567

Rights Used at Facility:

59-208827.0001

If you received an annual use letter from an irrigation district or municipal provider, please submit a copy of their letter with your 2008 Annual Water Withdrawal and Use Report to validate deliveries received.

Pursuant to Chapter 6 of the Third Management Plan of your Active Management Area, all general industrial use facilities are required to supply the following information. Please complete one form per general industrial use facility. Instructions are listed on the reverse side of this form.

PART 1 - DESCRIPTION OF WATER USES

Please describe the primary purposes for which water from any source, including effluent, is used.

Primary Purpose is reuse as cooling water make up.

PART 2 - AMOUNTS USED FOR VARIOUS PURPOSES

Please provide metered quantities of water used annually from any source, including effluent, for the following purposes:

Purpose	Amount Metered (AF)	Amount Estimated (AF)
Industrial Process Water		
Process Cooling Water	2.81	
Process Cleaning Water		
Space Cooling Water		
Landscape Watering		
Other (Please Specify)		

PART 3 - WASTEWATER PRODUCTION AND USE

Please provide estimated quantities of wastewater generated and recycled.

GENERATED	none	AF	RECYCLED	none	AF
-----------	------	----	----------	------	----

EMERGENCY DEWATERING PERMIT
59-218220.0000

**HYDROLOGICAL TESTING PERMIT
59-214658.0000**

ANNUAL WATER WITHDRAWAL AND USE REPORT

SHORT FORM 2008

OWNER OF GROUNDWATER RIGHT
 ARIZONA PUBLIC SERVICE CO
 PO BOX 53999, MS-8376
 PHOENIX, AZ 85072-3999

TYPE OF RIGHT
 HYDROLOGIC TESTING PERMIT

RIGHT/PERMIT NO.
 59-214658.0000

PHOENIX AMA (602) 771-8585

REPORTING PARTY
 59-214658.0000
 ARIZONA PUBLIC SERVICE CO
 PO BOX 53999, MS-8376
 PHOENIX, AZ 85072-3999



PERMIT EXPIRATION DATE: 03/20/2008
FACILITY NAME:

If any of the information reprinted on this report is incorrect, please make the necessary changes.

PART I GROUNDWATER WITHDRAWAL FEE AND WATER QUALITY ASSURANCE FEE

11.27 X \$5.12 = \$ 57.70

Amount of Right or Permit in Acre-Feet Fees

Note: If no water was withdrawn, no withdrawal fee is due.

PART II LATE FEES

Complete if filing after March 31

Note: A portion of a month after March 31 is counted as a full month

- 1) Enter number of months late (Maximum of 6)
- 2) Calculate Late Report Fee ----- \$ 0
 (\$25.00 X Number of Months Late)
- 3) Calculate Late Payment Fee ----- \$ 0
 (10% X Number of Months Late X [Amount of Right or Permit X \$3.00])

PART III TOTAL FEES DUE

Add Amounts From Parts I and II \$ 57.70

PART IV ESTIMATE OF GROUNDWATER WITHDRAWN

ALTHOUGH YOU DO NOT HAVE TO MEASURE THE AMOUNT OF WATER WITHDRAWN FROM YOUR WELL, THE LAW REQUIRES THAT YOU SUBMIT AN ESTIMATE OF THE AMOUNT OF WATER WITHDRAWN.

DWR WELL REGISTRATION NUMBER	LOCATION			ESTIMATE OF WATER WITHDRAWN
	10 Q	40 Q	160 Q	
55-214659	NW	NE	NE 34	11.27

Mail or hand deliver this report, together with the appropriate fees, to the Arizona Department of Water Resources. If mailed, the report must be postmarked no later than March 31, 2009. If hand delivered, the report must be received by the Department's Records Management Unit or local AMA office no later than 5:00 PM on March 31, 2009. REPORTS FILED AFTER MARCH 31, 2009 ARE SUBJECT TO LATE FEES (ARS § 45-632) AND PAYMENT OF PREVIOUSLY WAIVED MONETARY PENALTIES ASSOCIATED WITH PRIOR GROUNDWATER CODE VIOLATIONS.

I hereby certify, under penalty of perjury, that the information contained in this report is, to the best of my knowledge and belief, true, correct and complete.

X Harvey C. Lesan AUTHORIZED SIGNATURE TITLE ENVIRONMENTAL SECTION LEADER DATE 3-31-09
HARVEY C. LESAN PRINTED NAME TELEPHONE NUMBER 623-393-6490

NOTE: THIS REPORT MUST BE FILED EVEN IF NO WATER WAS USED PURSUANT TO THIS RIGHT.

**HYDROLOGICAL TESTING PERMIT
59-217600.0000**

ANNUAL WATER WITHDRAWAL AND USE REPORT

GROUNDWATER SUMMARY - WQ 2008

OWNER OF GROUNDWATER RIGHT

ARIZONA PUBLIC SERVICE CO
PO BOX 53999, MS-8376
PHOENIX AZ 85072-3999

TYPE OF RIGHT

HYDROLOGIC TESTING PERMIT

RIGHT / PERMIT NO.

59-217600.0000

REPORTING PARTY

59-217600.0000

ARIZONA PUBLIC SERVICE CO
PO BOX 53999, MS-8376
PHOENIX AZ 85072-3999

PHOENIX AMA (602) 771-8585

WITHDRAWAL AUTHORITY ALLOTMENT: 13.00 AF

PERMIT EXPIRATION DATE: 02/13/2009

FACILITY NAME:

If any of the information preprinted on this report is incorrect, please make the necessary changes.

PART I GROUNDWATER WITHDRAWN

From Box 14 Schedule A attached
Complete this section only if you operate a non-exempt well.

10.25

\$ 3.00

\$ 30.75

ACRE - FEET X Withdrawal Fee =

PART II WATER DELIVERED TO OTHER RIGHTS

From Box 24 Schedule D attached

0

ACRE - FEET

PART III WATER RECEIVED FROM OTHER SOURCES

Total from Schedule E attached

0

ACRE - FEET

PART IV TOTAL WATER USED BY THIS RIGHT

Calculate as follows: Part I + Part III - Part II

0

ACRE - FEET

PART V LATE FEES

Complete if filing after March 31.

Note: A portion of a month after March 31 is counted as a full month.

1) Enter number of months late 0 (Maximum of 6)

2) Calculate Late Report Fee \$ 0
(\$25.00 X number of months late)

3) Calculate Late Payment Fee \$ 0
(10 % X number of months late X withdrawal fee calculated in Part I above)

PART VI WATER QUALITY

From WQARF Worksheet attached \$ 21.73

PART VII TOTAL FEES DUE

Add amounts from Parts I, V and VI \$ 52.48

Mail or hand deliver this report, together with the appropriate schedules, worksheets and fees to the Arizona Department of Water Resources. If mailed, the report must be postmarked no later than March 31, 2009. If hand delivered, the report must be received by the Department's Records Management Unit or local AMA office no later than 5:00 PM on March 31, 2009.

REPORTS FILED AFTER MARCH 31, 2009 ARE SUBJECT TO LATE FEES (A.R.S. § 45-632) AND PAYMENT OF PREVIOUSLY WAIVED MONETARY PENALTIES ASSOCIATED WITH PRIOR GROUNDWATER CODE VIOLATIONS.

I hereby certify, under penalty of perjury, that the information contained in this report is, to the best of my knowledge and belief, true, correct and complete.

X Harvey C. Lesan
AUTHORIZED SIGNATURE

ENV. SECTION LDR
TITLE

3-31-09
DATE

HARVEY C. LESAN
PRINTED NAME

623-393-6490
TELEPHONE NUMBER

WORKSHEET W-1 2008

GROUNDWATER RIGHT/PERMIT/ 59-217600.0000
BMP Farm Unit NO.

1 DWR WELL REGISTRATION NO. 55-214659	10 Q	40 Q	160 Q	LOCATION Sec Twn Rng		
	NW	NE	NE	34	1.0N	6.0W
2 TYPE OF MEASURING DEVICE TOTALIZER	MAKE / MODEL McCrometer					
SIZE N/A	UNITS MEASURED 1000gal					
INSTALLATION OR OVERHAUL DATE November 2007						
3 POWER CO. NAME Arizona Public Service	ACCOUNT NO. N/A		POWER METER NO. N/A			
ENERGY CONSUMPTION N/A			UNITS N/A			

4 DOES ENERGY METER SERVE USES OTHER THAN THE WELL PUMP ? Yes No
ENTER "Y" OR "N" IN COLUMN 5 OF SCHEDULE A

WATER TOTALIZING METER READINGS		
5 INITIAL	6 ENDING	7 DIFFERENCE
20787000	24128000	3341000

IF METER WAS REPLACED DURING THE YEAR, INDICATE BEGINNING AND ENDING READING FOR EACH METER IN THE BOXES ABOVE.

8 ACRE FEET	10.25	9 BREAKDOWN ESTIMATE	N/A
-------------	-------	----------------------	-----

Enter total Acre-feet
Shown in 10 in Column 13 of Schedule A

10 TOTAL IN ACRE-FEET	10.25
-----------------------	-------

1 DWR WELL REGISTRATION NO.	10 Q	40 Q	160 Q	LOCATION Sec Twn Rng		
2 TYPE OF MEASURING DEVICE	MAKE / MODEL					
SIZE	UNITS MEASURED					
INSTALLATION OR OVERHAUL DATE						
3 POWER CO. NAME	ACCOUNT NO.		POWER METER NO.			
ENERGY CONSUMPTION			UNITS			

4 DOES ENERGY METER SERVE USES OTHER THAN THE WELL PUMP ? Yes No
ENTER "Y" OR "N" IN COLUMN 5 OF SCHEDULE A

WATER TOTALIZING METER READINGS		
5 INITIAL	6 ENDING	7 DIFFERENCE

IF METER WAS REPLACED DURING THE YEAR, INDICATE BEGINNING AND ENDING READING FOR EACH METER IN THE BOXES ABOVE.

8 ACRE FEET		9 BREAKDOWN ESTIMATE	
-------------	--	----------------------	--

Enter total Acre-feet
Shown in 10 in Column 13 of Schedule A

10 TOTAL IN ACRE-FEET	
-----------------------	--

1 DWR WELL REGISTRATION NO.	10 Q	40 Q	160 Q	LOCATION Sec Twn Rng		
2 TYPE OF MEASURING DEVICE	MAKE / MODEL					
SIZE	UNITS MEASURED					
INSTALLATION OR OVERHAUL DATE						
3 POWER CO. NAME	ACCOUNT NO.		POWER METER NO.			
ENERGY CONSUMPTION			UNITS			

4 DOES ENERGY METER SERVE USES OTHER THAN THE WELL PUMP ? Yes No
ENTER "Y" OR "N" IN COLUMN 5 OF SCHEDULE A

WATER TOTALIZING METER READINGS		
5 INITIAL	6 ENDING	7 DIFFERENCE

IF METER WAS REPLACED DURING THE YEAR, INDICATE BEGINNING AND ENDING READING FOR EACH METER IN THE BOXES ABOVE.

8 ACRE FEET		9 BREAKDOWN ESTIMATE	
-------------	--	----------------------	--

Enter total Acre-feet
Shown in 10 in Column 13 of Schedule A

10 TOTAL IN ACRE-FEET	
-----------------------	--

1 DWR WELL REGISTRATION NO.	10 Q	40 Q	160 Q	LOCATION Sec Twn Rng		
2 TYPE OF MEASURING DEVICE	MAKE / MODEL					
SIZE	UNITS MEASURED					
INSTALLATION OR OVERHAUL DATE						
3 POWER CO. NAME	ACCOUNT NO.		POWER METER NO.			
ENERGY CONSUMPTION			UNITS			

4 DOES ENERGY METER SERVE USES OTHER THAN THE WELL PUMP ? Yes No
ENTER "Y" OR "N" IN COLUMN 5 OF SCHEDULE A

WATER TOTALIZING METER READINGS		
5 INITIAL	6 ENDING	7 DIFFERENCE

IF METER WAS REPLACED DURING THE YEAR, INDICATE BEGINNING AND ENDING READING FOR EACH METER IN THE BOXES ABOVE.

8 ACRE FEET		9 BREAKDOWN ESTIMATE	
-------------	--	----------------------	--

Enter total Acre-feet
Shown in 10 in Column 13 of Schedule A

10 TOTAL IN ACRE-FEET	
-----------------------	--

SCHEDULE G-5

GENERAL INDUSTRIAL USERS

ANNUAL REPORT 2008

ARIZONA DEPARTMENT OF WATER RESOURCES

Facility Name: Palo Verde Nuclear Generating Station

Facility No.: 13-213001.0000

Facility Owner: Arizona Public Service

Contact Name: Henry Day

Contact Address: Arizona Public Service
PO BOX 52034 MS 7626
Phoenix, AZ 85072

Contact Phone: 623-393-6567

Rights Used at Facility:

_____	_____
_____	_____
_____	_____

If you received an annual use letter from an irrigation district or municipal provider, please submit a copy of their letter with your 2008 Annual Water Withdrawal and Use Report to validate deliveries received.

Pursuant to Chapter 6 of the Third Management Plan of your Active Management Area, all general industrial use facilities are required to supply the following information. Please complete one form per general industrial use facility. Instructions are listed on the reverse side of this form.

PART 1 - DESCRIPTION OF WATER USES

Please describe the primary purposes for which water from any source, including effluent, is used.

Hydrologic Testing

PART 2 - AMOUNTS USED FOR VARIOUS PURPOSES

Please provide metered quantities of water used annually from any source, including effluent, for the following purposes:

Purpose	Amount Metered (AF)	Amount Estimated (AF)
Industrial Process Water		
Process Cooling Water		
Process Cleaning Water		
Space Cooling Water		
Landscape Watering		
Other (Please Specify) hydrologic testing	10.25	

PART 3 - WASTEWATER PRODUCTION AND USE

Please provide estimated quantities of wastewater generated and recycled.

GENERATED	N/A	AF	RECYCLED	N/A	AF
-----------	-----	----	----------	-----	----

WQARF WORKSHEET

WATER QUALITY ASSURANCE
REVOLVING FUND

ANNUAL REPORT 2008

OWNER

ARIZONA PUBLIC SERVICE CO

RIGHT/PERMIT NUMBER

59-217600.0000



WORKSHEET FOR DETERMINING WHICH GROUNDWATER WITHDRAWALS ARE SUBJECT TO PAYMENT OF WATER QUALITY ASSURANCE REVOLVING FUND (WQARF) FEES AND FOR CALCULATION OF FEES DUE

TO CALCULATE WQARF FEES OWED:

- Enter in Box A the total groundwater withdrawn pursuant to this right/permit, as reported on Part I of the Annual Water Withdrawal and Use Report Summary page

A.
Acre-Feet

- Calculate groundwater withdrawn pursuant to this right/permit that is NOT subject to the WQARF fee as follows:

- Enter in Box 1 the amount of groundwater (if any) withdrawn by a city, town, private water company, or county improvement district.

Box 1
Acre-Feet

Note: Groundwater withdrawn by a city, town, private water company, or county improvement district and delivered to customers for use and not for resale is subject to a tax on potable water imposed by A.R.S. § 42-5302.

- Enter in Box 2 the amount of groundwater (if any) withdrawn pursuant to a withdrawal permit but **not** put to a beneficial use (e.g. pumped from well directly into a riverbed or sewer, etc.)

Box 2
Acre-Feet

- Enter in Box 3 the amount of groundwater (if any) withdrawn and used within the Buckeye waterlogged area pursuant to a drainage water withdrawal permit.

Box 3
Acre-Feet

- Add the total of amounts entered in Boxes 1 + 2 + 3 above; this total is the amount of groundwater exempted from WQARF fee. Enter this amount in Box B.

B.
Acre-Feet

- Calculate the amount of groundwater that is subject to WQARF fee, and for which WQARF fees are owed:

- Total WQARF fees owed: Box A - Box B =

X \$2.12 =
Box C
(Acre-feet on which WQARF fees apply) WQARF Fees owed

Transfer the amount of WQARF fees to Part VI of the Summary Page.

Note: WQARF fees MUST BE REPORTED AND PAID at the time the Annual Water Withdrawal and Use Report is filed and the withdrawal fees paid, but NOT LATER THAN MARCH 31, 2009.

ANNUAL WATER WITHDRAWAL AND USE REPORT

GROUNDWATER SUMMARY - WQ 2008

OWNER OF GROUNDWATER RIGHT

ARIZONA PUBLIC SERVICE CO
ATTN: HENRY DAY
PO BOX 52034, MS-7626
PHOENIX AZ 85072-3999

TYPE OF RIGHT

TYPE 1 GFR

RIGHT / PERMIT NO.

58-114051.0001

REPORTING PARTY

58-114051.0001

PALO VERDE NUCLEAR GENERATING STATION (PVNGS) WITHDRAWAL AUTHORITY ALLOTMENT: 5171.00 AF

P.O. BOX 52034 MS 7626

PHOENIX AZ 85072

PHOENIX AMA (602) 771-8585

LOCATION: E2 33 1.0N 6.0W

FACILITY NAME:

PALO VERDE POWER PLANT

If any of the information preprinted on this report is incorrect, please make the necessary changes.

PART I GROUNDWATER WITHDRAWN

From Box 14 Schedule A attached
Complete this section only if you operate a non-exempt well.

2034.3 \$ 3.00 \$ 6102.90

ACRE - FEET X Withdrawal Fee =

PART II WATER DELIVERED TO OTHER RIGHTS

From Box 24 Schedule D attached

0 ACRE - FEET

PART III WATER RECEIVED FROM OTHER SOURCES

Total from Schedule E attached

0 ACRE - FEET

PART IV TOTAL WATER USED BY THIS RIGHT

Calculate as follows: Part I + Part III - Part II

2034.3 ACRE - FEET

PART V LATE FEES

Complete if filing after March 31.

Note: A portion of a month after March 31 is counted as a full month.

1) Enter number of months late (Maximum of 6)

2) Calculate Late Report Fee (\$25.00 X number of months late)

3) Calculate Late Payment Fee (10% X number of months late X withdrawal fee calculated in Part I above)

PART VI WATER QUALITY

From WQARF Worksheet attached

PART VII TOTAL FEES DUE

Add amounts from Parts I, V and VI

Mail or hand deliver this report, together with the appropriate schedules, worksheets and fees to the Arizona Department of Water Resources. If mailed, the report must be postmarked no later than March 31, 2009. If hand delivered, the report must be received by the Department's Records Management Unit or local AMA office no later than 5:00 PM on March 31, 2009.

REPORTS FILED AFTER MARCH 31, 2009 ARE SUBJECT TO LATE FEES (A.R.S. § 45-632) AND PAYMENT OF PREVIOUSLY WAIVED MONETARY PENALTIES ASSOCIATED WITH PRIOR GROUNDWATER CODE VIOLATIONS.

I hereby certify, under penalty of perjury, that the information contained in this report is, to the best of my knowledge and belief, true, correct and complete.

[Signature]
AUTHORIZED SIGNATURE

Environmental Section Leader
TITLE

03-20-2009
DATE

Harvey C. Lesan
PRINTED NAME

623-393-6490
TELEPHONE NUMBER

NOTE: THIS REPORT MUST BE FILED EVEN IF NO WATER WAS USED PURSUANT TO THIS RIGHT.