

NAME ARKANSAS POWER & LIGHT CO  
 ADDRESS GENERAL MANAGER  
ARK NUCLEAR P. O BOX 308  
RUSSELLVILLE AR 72801  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_

AR0001392 PERMIT NUMBER  
 001 DISCHARGE NUMBER  
 MONITORING PERIOD  
 FROM 08/07/01 TO 07/07/02  
(28 21) (22 21) (24 21) (24 21) (28 21) (28 21) (30 31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	QUANTITY OR LOADING (14 and 15) (16-17)			QUALITY OR CONCENTRATION (14 and 15) (16-17)			NO. EX (18-19)	FREQUENCY OF ANALYSIS (20-21)	SAMPLE TYPE (22-23)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Once Through cooling Water (001) Flow Rate	SAMPLE MEASUREMENT	889	1129	MGD				0	Cont.	Record
	PERMIT REQUIREMENT	1140	1145						Cont.	Record
Temperature	SAMPLE MEASUREMENT	97.04	107.21	°F				0	Cont.	Record
	PERMIT REQUIREMENT	105	110						Cont.	Record
Free Available Chlorine	SAMPLE MEASUREMENT				N/A	0.02	0.15	0	2/7	Grab
	PERMIT REQUIREMENT				N/A	0.2	0.5		1/7	Grab
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**J. P. O'Hanlon**  
 General Manager  
 TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*J. P. O'Hanlon*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER 501 968-2519  
 DATE 8/10/02

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference to attachments here)

8011140 416

PERMITTEE NAME/ADDRESS (Include Facility Name; Location if different)

DISCHARGE MONITORING REPORT (DMR)

DMR No. 158 R0021

NAME ARKANSAS POWER & LIGHT CO  
 ADDRESS GENERAL MANAGER  
ARK NUCLEAR P O BOX 608  
RUSSELLVILLE AR 72801 4  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_

AR0001392  
PERMIT NUMBER

01A  
DISCHARGE NUMBER

MONITORING PERIOD

FROM '80 07 01 TH '80 07 29  
(20 21) (22 23) (24 25) (26 27) (28 29) (30 31)  
 RUP

NOTE: Read instructions before completing this form.

PARAMETER (12 17)	X	QUANTITY OR LOADING (14-15)			QUALITY OR CONCENTRATION (16-21)				NO EX (22-23)	FREQUENCY OF ANALYSIS (24-25)	SAMPLE TYPE (26-27)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Low Volume Waste Water (01A) Flow Rate	SAMPLE MEASUREMENT	0.16	N/A	MGD					NA	Each Release	Record Estimate
	PERMIT REQUIREMENT	Not Specified	N/A							Daily	
Total Suspended Solids	SAMPLE MEASUREMENT				N/A	25.1	49.5	mg/l	0	1/7	Grab
	PERMIT REQUIREMENT				N/A	30	100			1/7	Grab
Oil and Grease	SAMPLE MEASUREMENT				N/A	1.64	3.0	mg/l	0	1/7	Grab
	PERMIT REQUIREMENT				N/A	15	20			1/7	Grab
pH	SAMPLE MEASUREMENT				6.1	N/A	8.9	pH	0	1/7	Grab
	PERMIT REQUIREMENT				6.0	N/A	9.0			1/7	Grab
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 J. P. O'Hanlon  
 General Manager  
 TYPED OR PRINTED

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*J.P. O'Hanlon*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 501 968-2519  
 ARPA CODE: \_\_\_\_\_  
 DATE: 80 10 20  
YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS: (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location if different)

NATIONAL POLLUTANT DISCHARGE CONTROL SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Form Approved ENVIRONMENTAL PROTECTION AGENCY (EPA) Form No. 330 (Rev. 10-77)

NAME ARKANSAS POWER & LIGHT CO  
 ADDRESS GENERAL MANAGER  
ARK NUCLEAR P.O. BOX 508  
RUSSELLVILLE AR 72809 4  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_

AR0001392  
 PERMIT NUMBER

01A  
 DISCHARGE NUMBER

MONITORING PERIOD  
 FROM 07 07 01 TH 01 07 02  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	QUANTITY OR LOADING (14-17)			QUALITY OR CONCENTRATION (14-17)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (18-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)			
Turbine Bldg. Sump Drain Water (CJA) Flow Rate	SAMPLE MEASUREMENT	0.136	N/A	MGD					NA	Daily	Estimate
	PERMIT REQUIREMENT	Not Specified	N/A							Daily	Estimate
Total Suspended Solids	SAMPLE MEASUREMENT				N/A	9.91	18	mg/l	0	1/7	Grab
	PERMIT REQUIREMENT				N/A	30	100			1/7	Grab
Oil and Grease	SAMPLE MEASUREMENT				N/A	7.25	13.1	mg/l	0	1/7	Grab
	PERMIT REQUIREMENT				N/A	15	20			1/7	Grab
pH	SAMPLE MEASUREMENT				7.8	N/A	8.4	pH	0	1/7	Grab
	PERMIT REQUIREMENT				6.0	N/A	9.0			1/7	Grab
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
J. P. O'Hanlon  
General Manager  
 TYPED OR PRINTED

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*J. P. O'Hanlon*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
 501 | 968-2519  
 AREA CODE | NUMBER  
 DATE  
 80 | 10 | 20  
 YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

ARKANSAS POWER & LIGHT CO  
 GENERAL MANAGER  
 AX-NUCLEAR P.O. BOX 608  
 RUSSELLVILLE AR 72802 4  
 FACILITY  
 LOCATION

AR0001392  
 PERMIT NUMBER

01B  
 DISCHARGE NUMBER

MONITORING PERIOD  
 FROM '80 07 01 TH '80 07 29  
(20 21) (22 23) (24 25) (26 27) (28 29) (30 31)

NOTE: Read instructions before completing this form.

PARAMETER (12.37)	X	QUANTITY OR LOADING (14.41)			QUALITY OR CONCENTRATION (14.42)			NO. EX (16.43)	FREQUENCY OF ANALYSIS (14.45)	SAMPLE TYPE (16.70)
		AVERAGE (14.51)	MAXIMUM (14.43)	UNITS (14.44)	MINIMUM (14.45)	AVERAGE (14.47)	MAXIMUM (14.48)			
Cooling Tower Blowdown Water (01B) Flow Rate	SAMPLE MEASUREMENT	5.57	N/A	MGD				NA	Daily	Estimate
	PERMIT REQUIREMENT	Not Specified	N/A						Daily	Estimate
pH	SAMPLE MEASUREMENT				7.6	N/A	8.7		0 24/31	Grab
	PERMIT REQUIREMENT				6.0	N/A	9.0		1/7	Grab
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 J. P. O'Hanlon  
 General Manager  
 TYPED OR PRINTED

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*J.P. O'Hanlon*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 501 068-2519  
 DATE: 80 10 20  
AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME ARKANSAS POWER & LIGHT CO  
 ADDRESS GENERAL MANAGER  
ARK NUCLEAR P O BOX 600  
RUSSELLVILLE AR 72801 4  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_

AR0001392 PERMIT NUMBER	002 DISCHARGE NUMBER
MONITORING PERIOD	
FROM '80 07 01 TH	'80 07 02
(20 21) (22 23) (24 24) R/P	(26 27) (28 29) (30 31)

NOTE: Read instructions before completing this form.

PARAMETER (12 17)	X	QUANTITY OR LOADING (14 15)			QUALITY OR CONCENTRATION (16 18)			NO. EX (62 63)	FREQUENCY OF ANALYSIS (64 65)	SAMPLE TYPE (69 70)
		AVERAGE (14 15)	MAXIMUM (16 17)	UNITS (18 19)	MINIMUM (16 17)	AVERAGE (18 19)	MAXIMUM (20 21)			
Treated Sanitary Sewage (002) Flow Rate	SAMPLE MEASUREMENT	0.005	N/A	MGD				NA	Daily	Estimate
	PERMIT REQUIREMENT	Not Specified	N/A						Daily	Estimate
Biochemical Oxygen Demand	SAMPLE MEASUREMENT				N/A	12.36	29.4	0	1/7	Grab
	PERMIT REQUIREMENT				N/A	30	45		1/7	Grab
Total Suspended Solids	SAMPLE MEASUREMENT				N/A	8.56	18.5	0	1/7	Grab
	PERMIT REQUIREMENT				N/A	30	45		1/7	Grab
pH	SAMPLE MEASUREMENT				6.4	N/A	7.4	0	1/7	Grab
	PERMIT REQUIREMENT				6.0	N/A	9.0		1/7	Grab
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
J. P. O'Hanlon  
General Manager  
 TYPED OR PRINTED

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*J.P. O'Hanlon*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
 501 968-2519  
 AREA CODE NUMBER

DATE  
 80 10 20  
 YEAR MONTH DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (include Facility Name/Location if different)

DISCHARGE MONITORING REPORT (DMR)

DMR No. 158 R0071

NAME ARKANSAS POWER & LIGHT CO  
 ADDRESS GENERAL MANAGER  
ARK NUCLEAR P O BOX 600  
RUSSELLVILLE AR 72001 4  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_

AR0001392  
PERMIT NUMBER

001  
DISCHARGE NUMBER

MONITORING PERIOD

FROM '80 00 01 TH '80 08 29  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	QUANTITY OR LOADING (14-17)			QUALITY OR CONCENTRATION (14-17)			NO EX (16-18)	FREQUENCY OF ANALYSIS (14-15)	SAMPLE TYPE (16-17)	
		AVERAGE (14-15)	MAXIMUM (14-17)	UNITS (14-15)	MINIMUM (14-15)	AVERAGE (14-17)	MAXIMUM (14-17)				UNITS (14-17)
Once Through cooling Water (001) Flow Rate	SAMPLE MEASUREMENT	1054	1129	MGD				0	Cont.	Record	
	PERMIT REQUIREMENT	1140	1145							Cont.	Record
Temperature	SAMPLE MEASUREMENT	98.02	103.69	°F				0	Cont.	Record	
	PERMIT REQUIREMENT	105	110							Cont.	Record
Free Available Chlorine	SAMPLE MEASUREMENT				N/A	0.05	0.18	mg/l	0	2/7	Grab
	PERMIT REQUIREMENT				N/A	0.2	0.5			1/7	Grab
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
J. P. O'Hanlon  
General Manager  
 TYPED OR PRINTED

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*J.P. O'Hanlon*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
 501 968-2519  
 AREA CODE NUMBER

DATE  
 80 10 20  
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

EPA Approved OMB No. EPA R0023

NAME ARKANSAS POWER & LIGHT CO  
 ADDRESS GENERAL MANAGER  
ARK NUCLEAR P O BOX 608  
RUSSELLVILLE AR 72801 4  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_

AR0001392  
 PERMIT NUMBER

01A  
 DISCHARGE NUMBER

MONITORING PERIOD

FROM '80 03 01 TH '80 08 29  
(20 21) (22 23) (24 25) (26 27) (28 29) (30 31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	QUANTITY OR LOADING (14 and (Only) (46-51))			QUALITY OR CONCENTRATION (4 Card (Only) (18-45) (46-51) (54-61))				NO EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Low Volume Waste Water (OIA) Flow Rate	SAMPLE MEASUREMENT	0.16	N/A	MCD					NA	Each Release Daily	Record Estimate
	PERMIT REQUIREMENT	Not Specified	N/A								
Total Suspended Solids	SAMPLE MEASUREMENT				N/A	52.3	173	mg/l	1	1/7	Grab
	PERMIT REQUIREMENT				N/A	30	100			1/7	Grab
Oil and Grease	SAMPLE MEASUREMENT				N/A	2.6	7.9	mg/l	0	1/7	Grab
	PERMIT REQUIREMENT				N/A	15	20			1/7	Grab
pH	SAMPLE MEASUREMENT				6.2	N/A	9.0	pH	0	1/7	Grab
	PERMIT REQUIREMENT				6.0	N/A	9.0			1/7	Grab
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**J. P. O'Hanlon**  
 General Manager  
 TYPED OR PRINTED

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*J. P. O'Hanlon*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

501 968-2519  
 AREA CODE NUMBER

86 10 20  
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Ref. CL-1196

NAME ARKANSAS POWER & LIGHT CO  
 ADDRESS GENERAL MANAGER  
ARK NUCLEAR P O BOX 809  
RUSSELLVILLE AR 72801 4  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_

(2-18) **AR0001392** PERMIT NUMBER  
 (17-19) **01A** DISCHARGE NUMBER

MONITORING PERIOD  
 FROM **NOV 08 07 TH** **YE 2007** **MO 02** **DAY 28**  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	QUANTITY OR LOADING (14-15)			QUALITY OR CONCENTRATION (16-17)				NO EX (62-64)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE (46-51)	MAXIMUM (51-52)	UNITS	MINIMUM (18-19)	AVERAGE (46-51)	MAXIMUM (51-52)	UNITS			
Turbine Bldg. Sump	SAMPLE MEASUREMENT	0.139	N/A	MGD					0	1/7	Grab
Drain Water (01A) Flow Rate	PERMIT REQUIREMENT	Not Specified	N/A						0	1/7	Estimate
Total Suspended Solids	SAMPLE MEASUREMENT				N/A	11.8	19.5	mg/l	0	1/7	Grab
	PERMIT REQUIREMENT				N/A	30	100			1/7	Grab
Oil and Grease	SAMPLE MEASUREMENT				N/A	13.1	17.2	mg/l	0	1/7	Grab
	PERMIT REQUIREMENT				N/A	15	20			1/7	Grab
pH	SAMPLE MEASUREMENT				6.6	N/A	8.6	pH	0	1/7	Grab
	PERMIT REQUIREMENT				6.0	N/A	9.0			1/7	Grab
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**J. P. O'Hanlon**  
 General Manager  
 TYPED OR PRINTED

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*J.P. O'Hanlon*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER: 501 968-2519  
 DATE: 8/10/20

COMMENT AND EXPLANATION OF ANY VIOLATIONS: *Please use all attachments here!*



NAME ARKANSAS POWER & LIGHT CO  
 ADDRESS GENERAL MANAGER  
ARK NUCLEAR P.O. BOX 608  
RUSSELLVILLE AR 72801 4  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_

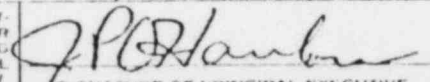
AR0001392  
 PERMIT NUMBER

01B  
 DISCHARGE NUMBER

MONITORING PERIOD  
 FROM '80 05 01 TH '80 08 29  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	QUANTITY OR LOADING (14 and 15) (16-17)			QUALITY OR CONCENTRATION (18-21) (22-23)				NO. EX. (24-25)	FREQUENCY OF ANALYSIS (26-28)	SAMPLE TYPE (29-30)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Cooling Tower Blowdown Water (01B) Flow Rate	SAMPLE MEASUREMENT	5.57	N/A	MGD					NA	Daily	Estimate
	PERMIT REQUIREMENT	Not Specified	N/A							Daily	Estimate
pH	SAMPLE MEASUREMENT				4.2	N/A	8.6	pH	2	22/31	Grab
	PERMIT REQUIREMENT				6.0	N/A	9.0			1/7	Grab
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  J. P. O'Hanlon General Manager TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalty under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
			501 AREA CODE	968-2519 NUMBER	80 YEAR	10 MO	20 DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Ref. CL-1210

NAME ARKANSAS POWER & LIGHT CO  
 ADDRESS GENERAL MANAGER  
ARK NUCLEAR P O BOX 609  
RUSSELLVILLE AR 72801  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_

AR0001392  
 PERMIT NUMBER

002  
 DISCHARGE NUMBER

MONITORING PERIOD  
 FROM 60 03 VI TH 90 08 29  
(20 21) (22 23) (24 25) (26 27) (28 29) (30 31)

NOTE: Read instructions before completing this form.

PARAMETER (12.17)	X	QUANTITY OR LOADING (14 and 15) (16.51)			QUALITY OR CONCENTRATION (14 and 15) (16.51)				NO EX (12.61)	FREQUENCY OF ANALYSIS (14.45)	SAMPLE TYPE (16.10)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Treated Sanitary Sewage (002) Flow Rate	SAMPLE MEASUREMENT	0.003	N/A	MGD					NA	Daily	Estimate
	PERMIT REQUIREMENT	Not Specified	N/A							Daily	Estimate
Biochemical Oxygen Demand	SAMPLE MEASUREMENT				N/A	11.0	20.7	mg/l	0	1/7	Grab
	PERMIT REQUIREMENT				N/A	30	45			1/7	Grab
Total Suspended Solids	SAMPLE MEASUREMENT				N/A	5.2	7.5	mg/l	0	1/7	Grab
	PERMIT REQUIREMENT				N/A	30	45			1/7	Grab
pH	SAMPLE MEASUREMENT				6.1	N/A	7.4	pH	0	1/7	Grab
	PERMIT REQUIREMENT				6.0	N/A	9.0			1/7	Grab
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
J. P. O'Hanlon  
General Manager  
 TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*J P O'Hanlon*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
 501 968-2519  
 AREA CODE NUMBER  
 DATE  
 80 10 22  
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATION'S: (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location if Applicable)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Form Approved OMB No. 158 R0071

NAME ARKANSAS POWER & LIGHT CO  
 ADDRESS GENERAL MANAGER  
ARK NUCLEAR P. O. BOX 300  
RUSSELLVILLE AR 72801 4  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_

AR0001392 PERMIT NUMBER  
 001 DISCHARGE NUMBER  
 MONITORING PERIOD  
 FROM 'SU' 09 'VI' TH 'EU' MO 9 '19' 80  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (11.37)	X	QUANTITY OR LOADING (13.41)			QUALITY OR CONCENTRATION (14.51)				NO. EX (15.61)	FREQUENCY OF ANALYSIS (16.65)	SAMPLE TYPE (17.70)
		AVERAGE (18.53)	MAXIMUM (19.61)	UNITS (20.68)	MINIMUM (21.76)	AVERAGE (22.84)	MAXIMUM (23.92)	UNITS (24.99)			
Once Through cooling Water (001) Flow Rate	SAMPLE MEASUREMENT	753	1143	MGD					0	Cont.	Record
	PERMIT REQUIREMENT	1140	1145							Cont.	Record
Temperature	SAMPLE MEASUREMENT	85.89	99.97	°F					0	Cont.	Record
	PERMIT REQUIREMENT	105	110							Cont.	Record
Free Available Chlorine	SAMPLE MEASUREMENT				N/A	0.02	0.05	mg/l	0	2/7	Grab
	PERMIT REQUIREMENT				N/A	0.2	0.5			1/7	Grab
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**J. P. O'Hanlon**  
 General Manager  
 TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*J. P. O'Hanlon*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
 501 968-2519  
 AREA CODE NUMBER

DATE  
 80 10 20  
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS: (Reference all attachments here)

PERMITTEE (NAME/ADDRESS (include Facility Name) Location (if different))

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Form Approved OMB No. 158-R-0073

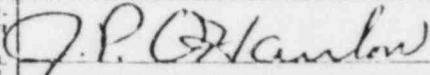
NAME ARKANSAS POWER & LIGHT CO  
 ADDRESS GENERAL MANAGER  
ARK NUCLEAR P O BOX 800  
RUSSELLVILLE AR 72801 4  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_

12 9 (17 19)

AR0001392 PERMIT NUMBER	01A DISCHARGE NUMBER								
MONITORING PERIOD									
FROM <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">'80 (20 21)</td> <td style="width: 25%;">02 (22 23)</td> <td style="width: 25%;">01 (24 25)</td> <td style="width: 25%;">TH (26 27)</td> </tr> <tr> <td style="width: 25%;">YE 80 (28 29)</td> <td style="width: 25%;">MO 09 (30 31)</td> <td style="width: 25%;">DA 30 (32 33)</td> <td></td> </tr> </table>	'80 (20 21)	02 (22 23)	01 (24 25)	TH (26 27)	YE 80 (28 29)	MO 09 (30 31)	DA 30 (32 33)		
'80 (20 21)	02 (22 23)	01 (24 25)	TH (26 27)						
YE 80 (28 29)	MO 09 (30 31)	DA 30 (32 33)							

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	(14 and Only) (46-51) QUANTITY OR LOADING (54-57)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Low Volume Waste Water (QIA) Flow Rate	SAMPLE MEASUREMENT	0.14	N/A	MGD					0	Each Release Daily	Record Estimate
	PERMIT REQUIREMENT	Not Specified	N/A								
Total Suspended Solids	SAMPLE MEASUREMENT				N/A	20.4	26.5	mg/l	0	1/7	Grab
	PERMIT REQUIREMENT				N/A	30	100			1/7	Grab
Oil and Grease	SAMPLE MEASUREMENT				N/A	5.8	11.1	mg/l	0	1/7	Grab
	PERMIT REQUIREMENT				N/A	15	20			1/7	Grab
pH	SAMPLE MEASUREMENT				6.2	N/A	8.9	pH	0	1/7	Grab
	PERMIT REQUIREMENT				6.0	N/A	9.0			1/7	Grab
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 USC § 1001 AND 33 USC § 1319. (Penal ties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE
J. P. O'Hanlon General Manager TYPED OR PRINTED	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	501 968-2519 AREA CODE NUMBER	80 10 20 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

**PERMITTEE NAME/ADDRESS:** ARK NUCLEAR P O BOX 608 RUSSELLVILLE AR 72601  
**GENERAL MANAGER:** J. P. O'Hanlon  
**DISCHARGE MONITORING REPORT (DMR) PERMIT NUMBER:** AR0001392  
**DISCHARGE NUMBER:** 01A  
**MONITORING PERIOD:** FROM 08/01/80 TO 09/01/80

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	QUALITY OR CONCENTRATION (14-16)			UNITS	NO. OF SAMPLES (22-23)	FREQUENCY OF ANALYSIS (24-25)	SAMPLE TYPE (26-28)
	AVERAGE (14-15)	MINIMUM (16-17)	MAXIMUM (18-19)				
Turbine Bldg. Sump Drain Water (01A) Flow Rate	0.067 Not Specified	N/A	N/A	MGD	11	Daily	Estimate
Total Suspended Solids			18.5	mg/l	0	1/7	Grab
Oil and Grease			100		0	1/7	Grab
			15.2	mg/l	0	1/7	Grab
			20		0	1/7	Grab
pH		7.6	8.3	pH	0	1/7	Grab
		6.0	9.0		0	1/7	Grab

**NAME/TITLE PRINCIPAL EXECUTIVE OFFICER:** J. P. O'Hanlon  
**General Manager**  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

**DATE:** 8/10/80  
**TELEPHONE:** 908-2519

NAME ARKANSAS POWER & LIGHT CO  
 ADDRESS GENERAL MANAGER  
ARK NUCLEAR P O BOX 608  
BUSSELLVILLE AR 72801 4  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_

(214) AR0001392 PERMIT NUMBER  
 (1719) 01B DISCHARGE NUMBER  
 MONITORING PERIOD  
 FROM (10-21) '80 (12-23) 09 (12-25) 01 TH (12-27) RU (12-29) MO (10-31) 30

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	QUANTITY OR LOADING (14-15)			QUALITY OR CONCENTRATION (14-15)			NO. EX (62-67)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-51)	MAXIMUM (54-61)	UNITS (57-61)	MINIMUM (46-51)	AVERAGE (54-61)	MAXIMUM (54-61)			
Cooling Tower Blowdown Water (01B) Flow Rate	SAMPLE MEASUREMENT	0.96	N/A	M <sup>3</sup> /D				NA	Daily	Estimate
	PERMIT REQUIREMENT	Not Specified	N/A						Daily	Estimate
pH	SAMPLE MEASUREMENT				8.2	N/A	8.6	0	11/30	Grab
	PERMIT REQUIREMENT				6.0	N/A	9.0		1/7	Grab
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <u>J. P. O'Hanlon</u> General Manager TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. 516 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalty under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>J. P. O'Hanlon</i>	TELEPHONE NUMBER 501 968-2519	DATE 50 / 10 / 20
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COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME ARKANSAS POWER & LIGHT CO  
 ADDRESS GENERAL MANAGER  
ARK NUCLEAR P O BOX 608  
RUSSELLVILLE AR 72001 4  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_

AR0001392 PERMIT NUMBER  
 002 DISCHARGE NUMBER

MONITORING PERIOD  
 FROM '80 09 01 TH YE 80 MOS 030  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	QUANTITY OR LOADING (14-15)			QUALITY OR CONCENTRATION (14-15)				NO EX (42-43)	FREQUENCY OF ANALYSIS (44-45)	SAMPLE TYPE (49-50)
		AVERAGE (16-18)	MAXIMUM (19-21)	UNITS (22-23)	MINIMUM (24-26)	AVERAGE (27-29)	MAXIMUM (30-32)	UNITS (33-35)			
Treated Sanitary Sewage (002) Flow Rate	SAMPLE MEASUREMENT	0.004	N/A	MGD					0	Daily	Estimate
	PERMIT REQUIREMENT	Not Specified	N/A							Daily	Estimate
Biochemical Oxygen Demand	SAMPLE MEASUREMENT				N/A	15	22.7	mg/l	0	1/7	Grab
	PERMIT REQUIREMENT				N/A	30	45			1/7	Grab
Total Suspended Solids	SAMPLE MEASUREMENT				N/A	4.3	7	mg/l	0	1/7	Grab
	PERMIT REQUIREMENT				N/A	30	45			1/7	Grab
pH	SAMPLE MEASUREMENT				6.2	N/A	6.7	pH	0	1/7	Grab
	PERMIT REQUIREMENT				6.0	N/A	9.0			1/7	Grab
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**J. P. O'Hanlon**  
 General Manager  
 TYPED OR PRINTED

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*J. P. O'Hanlon*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
 501 968-2519  
 ARFA CODE NUMBER  
 DATE  
 8 20 10 20  
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)