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AUTH. NAME AUTHOR AFFILIATION
 * Tennessee Valley Authority
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: "Discharge Monitoring Rept for TVA-Browns Ferry Nuclear Plant for Reporting Period of Feb 1 through Feb 28, 1993."

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	RGN2 FILE 02	1 1		
EXTERNAL:	BNL TICHLER, J03	1 1	EG&G SIMPSON, F	2 2
	NRC PDR	1 1		

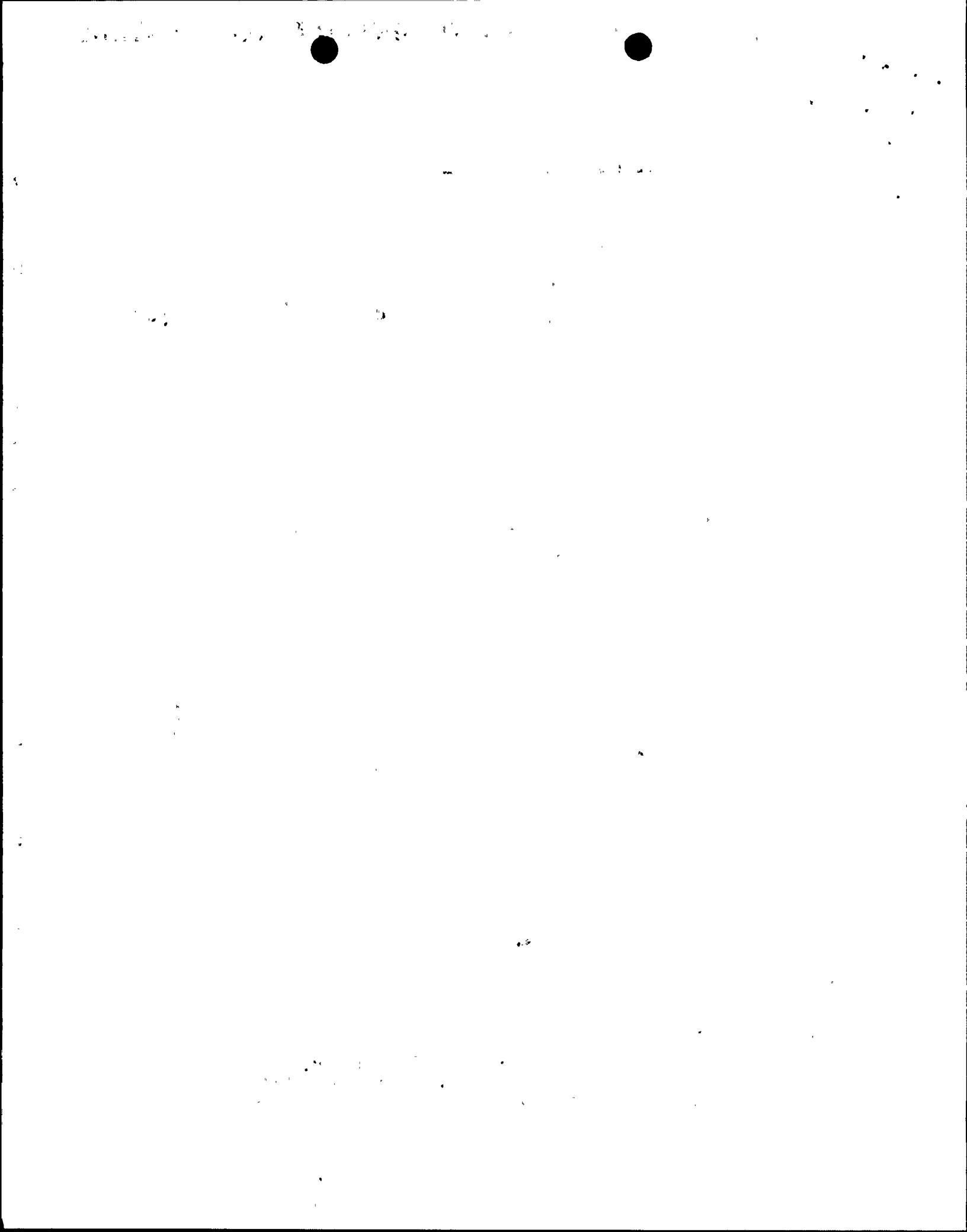
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Date of Report _____

DISCHARGE MONITORING REPORT

NPDES NUMBER: AL0022080

PERMITTEE INFORMATION:

NAME: TENNESSEE VALLEY AUTHORITY

ADDRESS: WT 8B-K

FACILITY NAME: TVA-Browns Ferry Nuclear Plant

FACILITY CONTACT:

NAME: Abraham Loudermilk

PHONE: 632-6656

REPORTING PERIOD: February 1 - February 28, 1993

I certify under penalty of law that this discharge monitoring report, required by NPDES Permit Number AL0022080 for the reporting period of February 1 through February 28, 1993 and consisting of pages numbered 1 through 9 and which are dated March 26, 1993 was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Murray Hines
SIGNATURE OF RESPONSIBLE INDIVIDUAL

March 26, 1993
DATE OF SIGNATURE

0056E 310110

9303310205 930228
PDR ADDCK 05000259
R PDR

IF 48
0/1



21112

ADEM DISCHARGE MONITORING REPORT

COMPANY : TVA - Browns Ferry Nuclear Plant

LOCATION : MONTHLY
U.S. Highway 72
Athens, Alabama 35611

MONTH : FEBRUARY, 1993

NPDES NO. AL0022080 MAJOR

DSN001

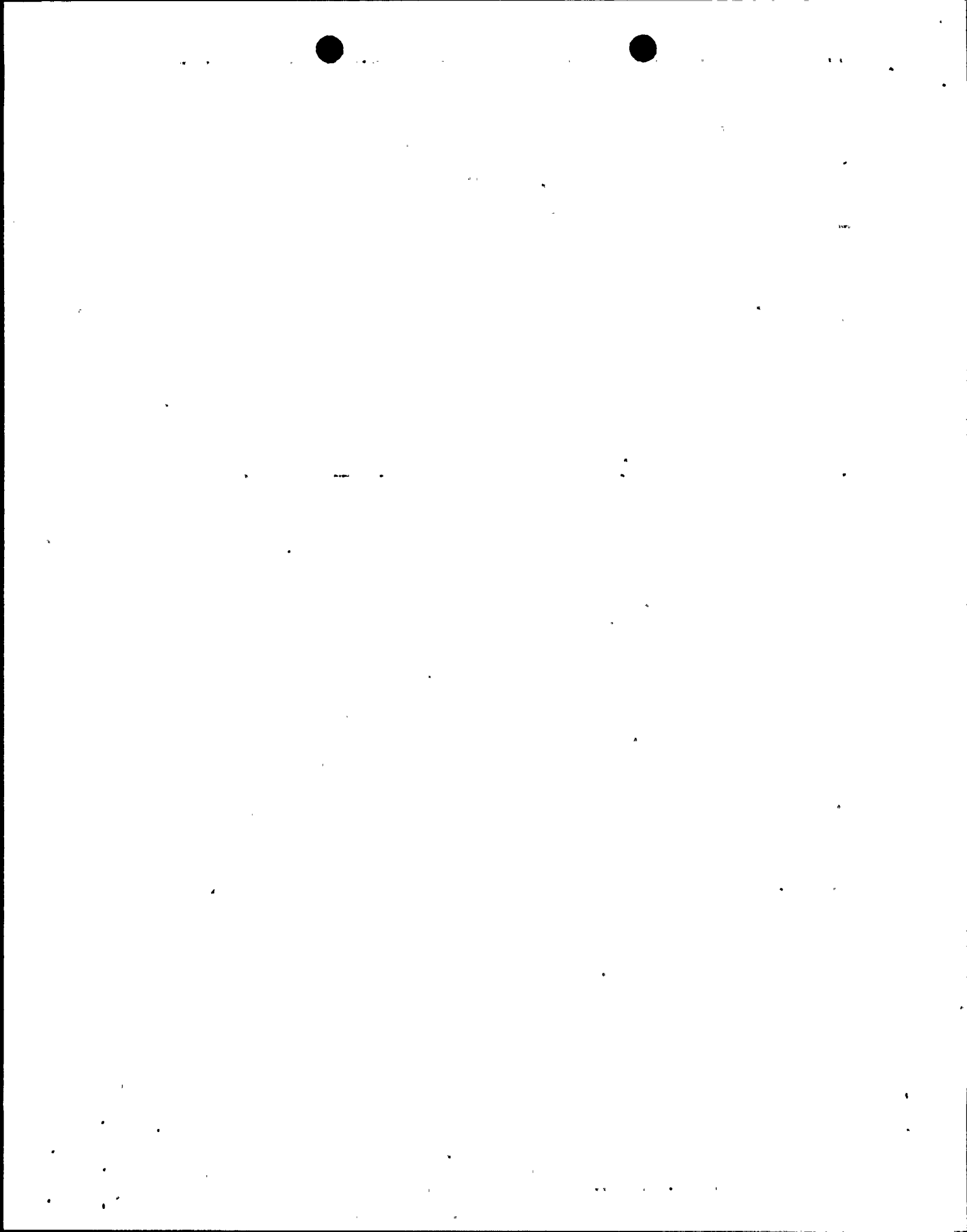
6 Hr Hourly

EFFECTIVE : 10-15-89

PARAM	Flow	pH	Cl,TA	Amb,RT	DRT	Temp,R	Temp	Temp	Hyd	6/ - Report Violations Only	
AVG	Mon	6.0 min	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2/ 5/ - Measurement Frequency	
MAX	Mon	9.0	730	Mon	90 F	10 F	92 F	93 F	0.01	in your permit.	
FREQ	Cont	1/wk	6/	2/ 5/	1/day	1/day	1/day	1/day	1/wk		
UNITS	MGD	s.u.	PPD		deg. F	deg. F	deg F.	deg. F	mg/L		
1	624.0			47.9	47.9	0.200	0.000	48.2			
2	624.0	7.60, 7.70		47.9	47.8	0.100	0.000	48.0	<.010	REPLICATE	
3	624.0			47.6	47.6	0.100	0.000	47.9			
4	624.0			47.8	47.7	0.000	0.000	47.9			
5	624.0			48.0	47.8	-.100	0.000	48.1			
6	624.0			48.4	48.0	-.200	0.000	48.4			
7	624.0			48.5	48.1	-.300	0.000	48.5			
8	624.0			49.3	48.6	0.100	0.000	49.3			
9	624.0	8.20		49.6	49.0	-.500	0.000	50.2	<.010		
10	624.0			49.9	49.2	-.500	0.000	49.9			
11	624.0			50.0	49.6	-.400	0.000	50.0			
12	624.0			50.2	49.8	-.300	0.000	50.0			
13	624.0			50.1	49.8	0.000	0.000	49.6			
14	624.0			49.2	49.1	0.200	0.000	49.2			
15	624.0	7.98		48.7	48.8	0.300	0.000	48.8	<.010		
16	624.0			48.1	48.5	0.600	0.000	48.7			
17	624.0			48.0	48.1	0.800	0.000	48.0			
18	624.0			46.5	47.3	0.900	0.000	46.7			
19	624.0			44.8	45.7	1.30	0.000	45.6			
20	624.0			45.1	45.5	1.30	0.000	45.9			
21	624.0			47.9	47.3	0.300	0.000	49.2			
22	624.0			48.6	48.3	0.000	0.000	48.5			
23	624.0	8.01		48.1	48.1	0.100	0.000	47.6	<.010		
24	624.0			47.4	47.2	0.400	0.000	46.9			
25	624.0			45.8	46.1	0.500	0.000	46.2			
26	624.0			45.9	46.0	0.400	0.000	46.1			
27	624.0			45.7	45.9	0.400	0.000	45.6			
28	624.0			45.2	45.6	0.700	0.000	46.2			
M AVG	624.0	7.90		47.9	47.8	0.229	0.000	48.0	<.010		
MAX	624.0	8.20		50.2	49.8	1.30	0.000	50.2	<.010		

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Responsible Official _____ Date _____ ADEM FORM 261 (B) 1/88



ADEM DISCHARGE MONITORING REPORT

COMPANY : TVA - Browns Ferry Nuclear Plant
 DSN001a (Formerly 103)

LOCATION : MONTHLY
 U.S. Highway 72
 Athens, Alabama 35611

MONTH : FEBRUARY, 1993

NPDES NO. AL0022080 MAJOR
 EFFECTIVE : 10-15-89

PARAM	Flow	O & G	TSS																	
AVG	Mon	15.0	30.0																	
MAX	Mon	20.0	100.0																	
FREQ	1/wk	1/wk	1/wk																	
UNITS	MGD	mg/l	mg/l																	
1																				
2																				
3																				
4																				
5	0.056	5.00	23.0																	
6																				
7																				
8																				
9																				
10																				
11																				
12	0.072	<5.00, <5.00	10.0, 9.00																	
13																				
14																				
15																				
16																				
17																				
18																				
19	0.086	<5.00	13.0																	
20																				
21																				
22																				
23																				
24																				
25																				
26	0.049	<5.00	19.0																	
27																				
28																				
H AVG	0.066	<5.00	14.8																	
MAX	0.086	5.00	23.0																	

REPLICATE

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Responsible Official _____ Date _____ ADEM FORM 261 (B) 1/88



ADEM DISCHARGE MONITORING REPORT

MONTH : FEBRUARY, 1993

COMPANY : TVA - Browns Ferry Nuclear Plant

LOCATION : MONTHLY
 U.S. Highway 72
 Athens, Alabama 35611

NPDES NO. AL0022080 MAJOR

EFFECTIVE : 10-15-89

DSN001b

PARAM	Flow	O & G	TSS	Cu.T	Fe.T					
AVG	Mon	15.0	30.0	N/A	N/A	2/ Will be applicable only when chemical metal cleaning				
MAX	Mon	20.0	100.0	1.0	1.0	2/ solutions are being used. The rest located in Permit				
FREQ	1/Bat	2/wk	2/wk	1/Batch	1/Batch					
UNITS	MGD	mg/l	mg/l	mg/l	mg/l					
1	0.031	<5.00, <5.00	<1.00, <1.00							REPLICATE
2	0.031	<5.00	<1.00							
3	0.031									
4	0.067									
5	0.066									
6	NONE									
7	0.053									
8	0.032	13.0	<1.00							
9	0.014									
10	0.031	<5.00	1.00							
11	NONE									
12	0.031									
13	0.031									
14	0.031									
15	0.006	10.0	<1.00							
16	0.045									
17	0.083	<5.00	<1.00							
18	0.079	9.00	61.0							
19	0.136									
20	0.031									
21	0.034	<5.00	<1.00							
22	0.031									
23	NONE									
24	0.031	<5.00	<1.00							
25	2.2E-4									
26	0.062									
27	0.011									
28	0.051									
M AVG	0.042	<6.70	<7.00							
MAX	0.136	13.0	61.0							

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Signature of Responsible Official _____ Date _____

ADEM FORM 261 (B) 1/88



ADEM DISCHARGE MONITORING REPORT

COMPANY : TVA - Browns Ferry Nuclear Plant
 DSN001c (Formerly 107)

LOCATION : MONTHLY
 U.S. Highway 72
 Athens, Alabama 35611

MONTH : FEBRUARY, 1993

NPDES NO. AL0022080 MAJOR
 EFFECTIVE : 10-15-89

PARAM	Flow	O & G	TSS																	
AVG	Mon	15.0	30.0																	
MAX	Mon	20.0	100.0																	
FREQ	1/wk	1/wk	1/wk																	
UNITS	MGD	mg/l	mg/l																	
1																				
2																				
3	0.002	<5.00, <5.00	3.60, 4.00																	REPLICATE
4																				
5																				
6																				
7																				
8																				
9	0.002	<5.00	2.00																	
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17	0.002	<5.00	6.00																	
18																				
19																				
20																				
21																				
22																				
23																				
24	3.1E-4	<5.00	7.00																	
25																				
26																				
27																				
28																				
M AVG	0.002	<5.00	4.52																	
MAX	0.002	<5.00	7.00																	

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Signature of Responsible Official _____ Date _____

ADEM FORM 261 (B) 1/88



ADEM DISCHARGE MONITORING REPORT

MONTH : FEBRUARY, 1993

COMPANY : TVA - Browns Ferry Nuclear Plant

LOCATION : MONTHLY
 U.S. Highway 72
 Athens, Alabama 35611

NPDES NO. AL0022080 MAJOR

DSN001d (Formerly 110)

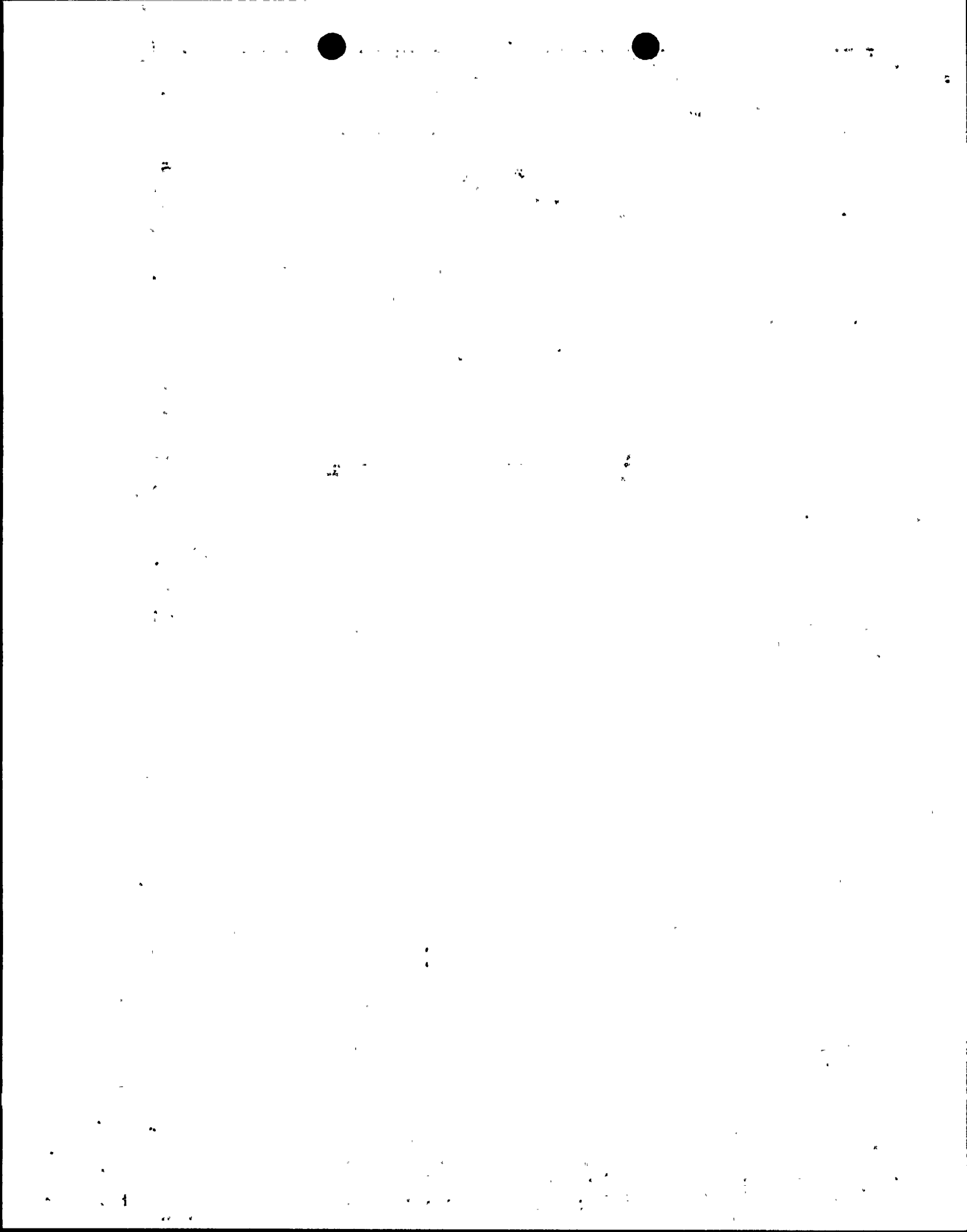
EFFECTIVE : 10-15-89

PARAM	Flow	O & G	TSS																	
AVG	Mon	15.0	30.0																	
MAX	Mon	20.0	100.0																	
FREQ	1/wk	1/wk	1/wk																	
UNITS	MGD	mg/l	mg/l																	
1																				
2																				
3	6.8E-4	<5.00, <5.00	20.0, 14.0																	REPLICATE
4																				
5																				
6																				
7																				
8																				
9	6.2E-4	<5.00	8.00																	
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17	3.3E-4	<5.00	14.0																	
18																				
19																				
20																				
21																				
22																				
23																				
24	8.6E-4	<5.00	12.0																	
25																				
26																				
27																				
28																				
M AVG	6.2E-4	<5.00	13.6																	
MAX	8.6E-4	<5.00	20.0																	

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Signature of Responsible Official _____ Date _____

ADEM FORM 261 (B) 1/88



ADEM DISCHARGE MONITORING REPORT

MONTH : FEBRUARY, 1993

COMPANY : TVA - Browns Ferry Nuclear Plant

LOCATION : MONTHLY
U.S. Highway 72
Athens, Alabama 35611

NPDES NO. AL0022080 MAJOR

DSN002 (Formerly 102)

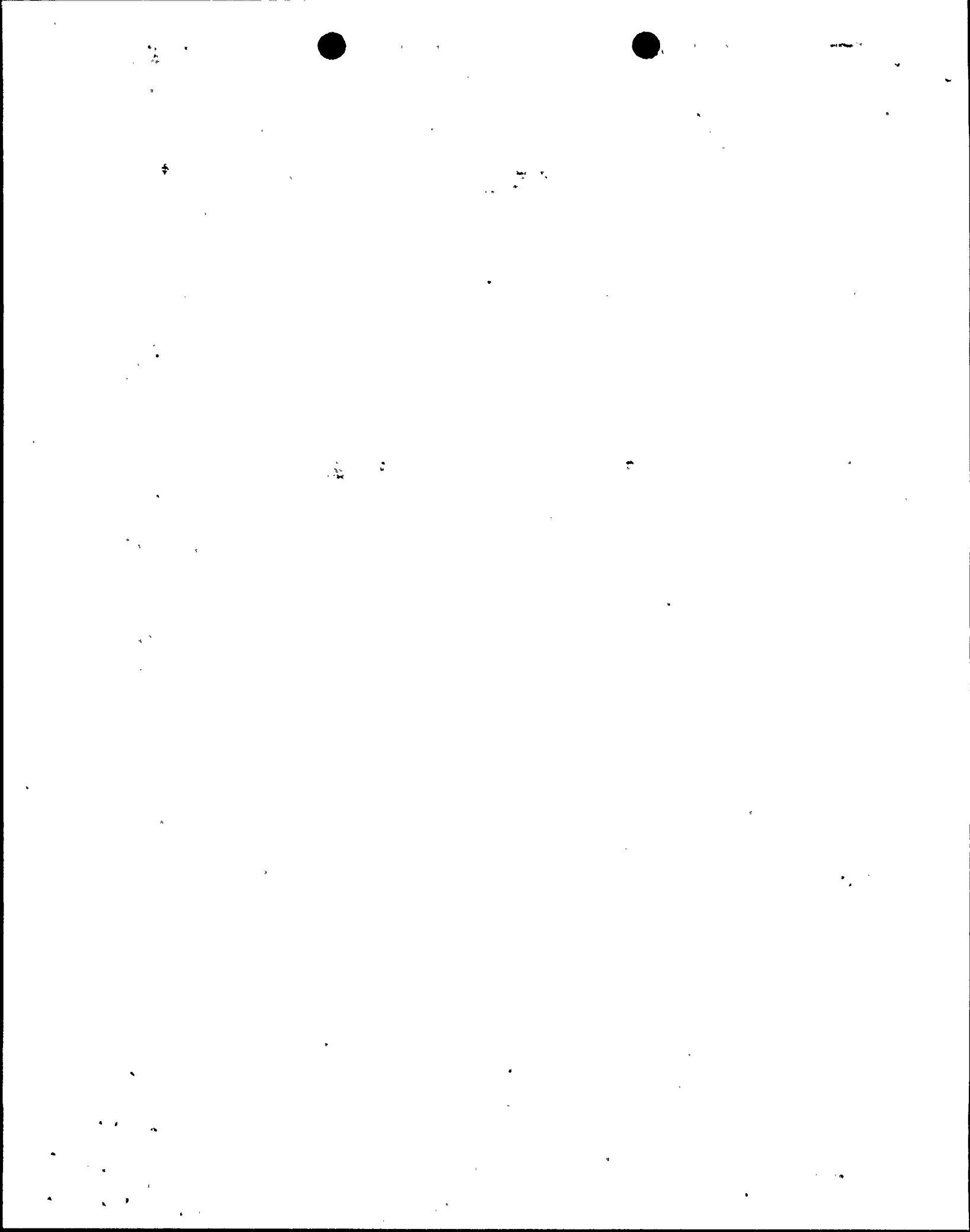
EFFECTIVE : 10-15-89

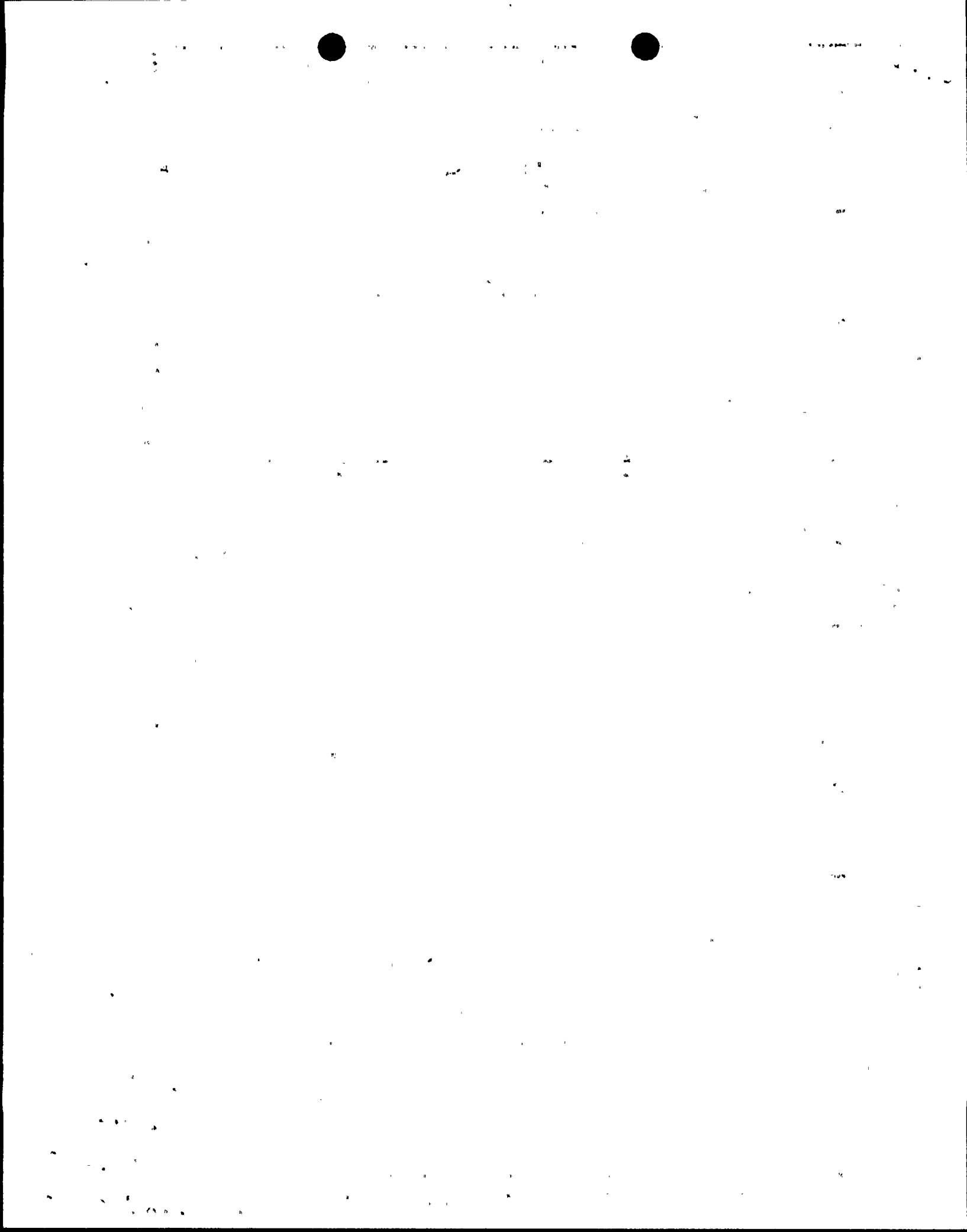
PARAM	Flow	pH	O & G	TSS	Hyd																
AVG	Mon	6.0 min	15.0	30.0	N/A																
MAX	Mon	9.0	20.0	100.0	0.01																
FREQ	1/Bat	1/Batch	1/Batch	2/Batch	1/Batch*	* Discharge no longer has the potential to contain Hydrazine															
UNITS	MGD	s.u.	mg/l	mg/l	mg/l																
1	NONE																				
2	NONE																				
3	NONE																				
4	0.327		<5.00	4.00																	
5	0.327																				
6	0.327	7.73, 7.77	<5.00, <5.00	<1.00, <1.00																	REPLICATE
7	NONE																				
8	NONE																				
9	NONE																				
10	NONE																				
11	NONE																				
12	NONE																				
13	0.155	8.91	<5.00	3.00																	
14	0.155	8.17		3.00																	
15	NONE																				
16	NONE																				
17	NONE																				
18	NONE																				
19	NONE																				
20	NONE																				
21	NONE																				
22	NONE																				
23	NONE																				
24	NONE																				
25	NONE																				
26	NONE																				
27	NONE																				
28	NONE																				
M AVG	0.258	8.15	<5.00	<2.40																	
MAX	0.327	8.91	<5.00	4.00																	

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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ADEM FORM 261 (B) 1/88





ADEM DISCHARGE MONITORING REPORT

COMPANY : TVA - Browns Ferry Nuclear Plant

LOCATION : MONTHLY
 U.S. Highway 72
 Athens, Alabama 35611

MONTH : FEBRUARY, 1993

NPDES NO. AL0022080 MAJOR

EFFECTIVE : 10-15-89

DSN011

PARAM	Flow	BOD (5)	TSS
AVG	Mon	30.0	90.0
MAX	Mon	45.0	135.0
FREQ	5/wk	2/mo	2/mo
UNITS	MGD	mg/l	mg/l
1	0.040		
2	0.040	11.0	3.00
3	0.040		
4	0.040		
5	0.040		
6			
7			
8	0.040		
9	0.031		
10	0.031		
11	0.049		
12	0.049		
13			
14			
15	0.049		
16	0.049		
17	0.049		
18	0.049		
19	0.049		
20			
21			
22	0.00		
23	0.040	15.0	20.0
24	0.040		
25	0.040		
26	0.040		
27			
28			
M AVG	0.040	13.0	11.5
MAX	0.049	15.0	20.0

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Responsible Official _____ Date _____

ADEM FORM 261 (B) 1/88



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