SARPB-ETT 2 December 1982

SUBJECT: Third Quarter FY 82 Groundwater Monitoring Results for PBA's Hazardous Waste Sites

Dr. Robert Blanz
Arkansas Department of Pollution Control and Ecology
8001 National Drive
Little Rock, Arkansas 72209

RECEIVED
DEC 09 1982
6W-EA

Dear Dr. Blanz:

1. Reference:

a. Letter to Arkansas Department of Pollution Control and Ecology (ADPC&E) from Pine Bluff Arsenal (PBA), dated 5 April 1982.

b. Letter to PBA from ADPC&E, dated 30 April 1982.

c. Letter to ADPC&E from PBA, dated 12 October 1982.

d. Letter to PBA from ADPC&E, dated 4 November 1982.

2. The third quarter FY 82 groundwater monitoring results for PBA are provided (Incl 1), in accordance with 40CFR 265.94 (a) (2) (i) for both active and inactive facilities appearing on the Part A application.

3. Based on information provided in reference 1a and guidance provided in reference 1b, PBA does not now have any active hazardous waste facilities currently in operation.

4. PBA has a large number of inactive (historic) sites that have been removed from the Part A RCRA hazardous waste facilities application. Based on guidance provided by the ADPC&E and Region VI EPA, on 27 July 1982 in Dallas, Texas, these historic sites have been delisted (ref 1d) and a MCA project has been submitted for closure, using the CERCLA criteria and regulations.

5. A request for delisting of the active sites has been submitted (ref 1c) and additional information requested by ADPC&E (ref 1d) is being prepared.

6. Point-of-contact this office is Mr. Thomas E. Shook, Environmental Coordinator, (501) 541-3572.

X Reply to Vol 1

JOE G. JANSKI, PE
Director, Engineering and Technology

1 Incl
as
Info Copy: EPA, Region VI

9833831

RUN DATE: 09 NOV 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 10 - BOMB MAT & DISP

SAMPLING SITES RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	B 145	136	137	138	139	140	141
WATER LEVELS (A)	12 JUL 82		FT	185.6	212.8	211.8	190.4	190.3	190.2	201.0
ARSENIC	12 JUL 82	.010	MGL	ND	ND	ND	ND	ND	.010	ND
ARSENIC	13 JUL 82	.010	MGL							
BARIUM	12 JUL 82	.1	MGL	.4	.5	ND	.5	ND	.7	.5
BARIUM	13 JUL 82	.1	MGL							
CADMIUM	12 JUL 82	.005	MGL	ND	ND	ND	ND	ND	ND	ND
CADMIUM	13 JUL 82	.005	MGL							
CHROMIUM	12 JUL 82	.010	MGL	.030	ND	ND	ND	ND	ND	ND
CHROMIUM	13 JUL 82	.010	MGL							
FLUORIDE	12 JUL 82	.10	MGL	.11	.31	.27	.22	.19	.32	.14
FLUORIDE	13 JUL 82	.10	MGL							
LEAD	12 JUL 82	.010	MGL	ND	ND	ND	ND	ND	ND	ND
LEAD	13 JUL 82	.010	MGL							
MERCURY	12 JUL 82	.2	UGL	ND	ND	ND	ND	ND	ND	ND
MERCURY	13 JUL 82	.2	UGL							
NO2+NO3 AS N	12 JUL 82	.05	MGL	24.00*	.09	2.00	.27	.07	ND	.30
NO2+NO3 AS N	13 JUL 82	.05	MGL							
SELENIUM	12 JUL 82	.005	MGL	ND	ND	ND	ND	ND	ND	ND
SELENIUM	13 JUL 82	.005	MGL							
SILVER	12 JUL 82	.01	MGL	ND	ND	ND	ND	ND	ND	ND
SILVER	13 JUL 82	.01	MGL							
ENDRIN	12 JUL 82	.04	UGL	ND	ND	ND	ND	ND	ND	ND
ENDRIN	13 JUL 82	.04	UGL							
LINDANE	12 JUL 82	.08	UGL	ND	ND	ND	ND	ND	ND	ND
LINDANE	13 JUL 82	.08	UGL							
TOXAPHENE	12 JUL 82	1.6	UGL	ND	ND	ND	ND	ND	ND	ND
TOXAPHENE	13 JUL 82	1.6	UGL							
METHOXYCHLOR	12 JUL 82	1.6	UGL	ND	ND	ND	ND	ND	ND	ND
METHOXYCHLOR	13 JUL 82	1.6	UGL							
2,4-D	12 JUL 82	3.8	UGL	ND	ND	ND	ND	ND	ND	ND
2,4-D	13 JUL 82	3.8	UGL							
SILVEX	12 JUL 82	.5	UGL	ND	ND	ND	ND	ND	ND	ND
SILVEX	13 JUL 82	.5	UGL							
GROSS ALPHA	12 JUL 82	12.00	PCL	<4.43	<12.00	<3.56	<8.03	<10.50	<11.50	<5.31
GROSS ALPHA	13 JUL 82	5.31	PCL							
GROSS BETA	12 JUL 82	1.30	PCL	5.58	10.60	2.59	4.80	4.67	8.40	3.19
GROSS BETA	13 JUL 82	1.30	PCL							
CHLORIDE	12 JUL 82	1.0	MGL	79.0	690.0#	18.0	220.0	246.0	260.0#	260.0#
CHLORIDE	13 JUL 82	1.0	MGL							
IRON	12 JUL 82	.03	MGL	1.24#	ND	ND	.95#	ND	ND	

RECEIVED
DEC 09 1982
6W-EA

RUN DATE: 08 NOV 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 10 - BOMB MAT & DISP

SAMPLING SITES
RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	B 145	136	137	138	139	140	141
IRON	13 JUL 82	.03	MGL							18.10#
MANGANESE	12 JUL 82	.01	MGL	2.51#	12.70#	.23#	.85#	1.77#	6.30#	
MANGANESE	13 JUL 82	.01	MGL							2.05#
PHENOL	12 JUL 82	.01	MGL	.03	.04	.03	.03	.04	.03	
PHENOL	13 JUL 82	.01	MGL							.03
SODIUM	12 JUL 82	1.	MGL	65.	176.	598.	75.	100.	156.	
SODIUM	13 JUL 82	1.	MGL							99.
SULFATE	12 JUL 82	5.0	MGL	31.0	124.0	49.0	29.0	40.0	72.0	
SULFATE	13 JUL 82	5.0	MGL							61.0
PH(FIELD)	12 JUL 82		PH	6.0#	6.6	5.9#	6.1#	6.4#	7.0	
PH(FIELD)	12 JUL 82		PH	6.0#	6.6	5.9#	6.1#	6.4#	7.0	
PH(FIELD)	12 JUL 82		PH	6.0#	6.6	5.9#	6.1#	6.4#	7.0	
PH(FIELD)	12 JUL 82		PH	6.0#	6.6	5.9#	6.1#	6.4#	7.0	
PH(FIELD)	13 JUL 82		PH							5.8#
PH(FIELD)	13 JUL 82		PH							5.8#
PH(FIELD)	13 JUL 82		PH							5.8#
PH(FIELD)	13 JUL 82		PH							5.8#
SPEC COND	12 JUL 82	1.	UMC	718.	1770.	337.	1090.	1500.	1260.	
SPEC COND	12 JUL 82	1.	UMC	720.	1740.	337.	1080.	1520.	1270.	
SPEC COND	12 JUL 82	1.	UMC	720.	1790.	336.	1070.	1520.	1270.	
SPEC COND	12 JUL 82	1.	UMC	722.	1780.	340.	1080.	1510.	1260.	
SPEC COND	13 JUL 82	1.	UMC							646.
SPEC COND	13 JUL 82	1.	UMC							650.
SPEC COND	13 JUL 82	1.	UMC							645.
SPEC COND	13 JUL 82	1.	UMC							650.
TOC	12 JUL 82	1.0	MGL	40.0	84.0	33.0	53.0	40.0	72.0	
TOC	12 JUL 82	1.0	MGL	41.0	83.0	34.0	53.0	41.0	72.0	
TOC	12 JUL 82	1.0	MGL	40.0	83.0	33.0	53.0	40.0	72.0	
TOC	12 JUL 82	1.0	MGL	40.0	83.0	34.0	53.0	41.0	72.0	
TOC	13 JUL 82	1.0	MGL							51.0
TOC	13 JUL 82	1.0	MGL							51.0
TOC	13 JUL 82	1.0	MGL							51.0
TOC	13 JUL 82	1.0	MGL							52.0
TOX	12 JUL 82	.010	MGL	.210 C	5.370 C	.031 C	1.510 C	3.350 C	2.830 C	
TOX	12 JUL 82	.010	MGL	.280 C	6.130 C	.100 C	1.740 C	3.400 C	3.120 C	
TOX	12 JUL 82	.010	MGL	.270 C	5.510 C	.088 C	1.570 C	3.540 C	2.720 C	
TOX	12 JUL 82	.010	MGL	.290 C	5.140 C	.110 C	1.390 C	3.270 C	2.740 C	
TOX	13 JUL 82	.010	MGL							4.670 C
TOX	13 JUL 82	.010	MGL							3.830 C
TOX	13 JUL 82	.010	MGL							3.860 C
TOX	13 JUL 82	.010	MGL							3.820 C

RUN DATE: 08 NOV 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 10 - BOMB MAT & DISP

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS 142		143		144	
WATER LEVELS (A)	12 JUL 82		FT	187.4		201.7		202.4	
ARSENIC	13 JUL 82	.010	MGL	ND		.013		ND	
BARIUM	13 JUL 82	.1	MGL	ND		.4		.6	
CADMIUM	13 JUL 82	.005	MGL	ND		ND		ND	
CHROMIUM	13 JUL 82	.010	MGL	ND		ND		ND	
FLUORIDE	13 JUL 82	.10	MGL	.18		.56		.29	
LEAD	13 JUL 82	.010	MGL	ND		ND		ND	
MERCURY	13 JUL 82	.2	UGL	ND		ND		ND	
NO2+NO3 AS N	13 JUL 82	.05	MGL	.05		ND		.05	
SELENIUM	13 JUL 82	.005	MGL	ND		ND		ND	
SILVER	13 JUL 82	.01	MGL	ND		ND		ND	
ENDRIN	13 JUL 82	.04	UGL	ND		ND		ND	
LINDANE	13 JUL 82	.03	UGL	ND		ND		ND	
TOXAPHENE	13 JUL 82	1.6	UGL	ND		ND		ND	
METHOXYCHLOR	13 JUL 82	1.6	UGL	ND		ND		ND	
2,4-D	13 JUL 82	3.8	UGL	ND		ND		ND	
SILVEX	13 JUL 82	.5	UGL	ND		ND		ND	
GROSS ALPHA	13 JUL 82	10.70	PCL	<7.80		<6.57		<10.70	
GROSS BETA	13 JUL 82	1.88	PCL	16.90		ND		1.62	
CHLORIDE	13 JUL 82	1.0	MGL	330.0#		180.0		350.0#	
IRON	13 JUL 82	.03	MGL	3.00#		2.77#		4.64#	
MANGANESE	13 JUL 82	.01	MGL	1.76#		6.40#		7.30#	
PHENOL	13 JUL 82	.01	MGL	.02		.03		.03	
SODIUM	13 JUL 82	1.	MGL	142.		106.		180.	
SULFATE	13 JUL 82	5.0	MGL	96.0		100.0		71.0	
PH(FIELD)	13 JUL 82		PH	8.5		6.7		6.7	
PH(FIELD)	13 JUL 82		PH	8.5		6.7		6.7	
PH(FIELD)	13 JUL 82		PH	8.5		6.7		6.7	
PH(FIELD)	13 JUL 82		PH	8.5		6.7		6.7	
SPEC COND	13 JUL 82	1.	UMC	995.		1190.		2060.	
SPEC COND	13 JUL 82	1.	UMC	995.		1200.		2070.	
SPEC COND	13 JUL 82	1.	UMC	990.		1190.		2060.	
SPEC COND	13 JUL 82	1.	UMC	995.		1190.		2060.	
TOC	13 JUL 82	1.0	MGL	71.0		63.0		105.0	
TOC	13 JUL 82	1.0	MGL	73.0		62.0		107.0	
TOC	13 JUL 82	1.0	MGL	73.0		62.0		106.0	
TOC	13 JUL 82	1.0	MGL	71.0		62.0		106.0	
TOX	13 JUL 82	.010	MGL	4.350	C	3.180	C	3.930	C
TOX	13 JUL 82	.010	MGL	4.140	C	2.820	C	2.450	C
TOX	13 JUL 82	.010	MGL	3.810	C	3.050	C	3.360	C
TOX	13 JUL 82	.010	MGL	3.950	C	3.460	C	3.960	C

RUN DATE: 08 NOV 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 10 - BOMB MAT & DISP

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

A VALUES SHOWN ARE FOR WATER LEVEL ELEVATION ABOVE A REFERENCE DATUM
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD
# VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER REGULATION CRITERIA

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 11 - OLD MFG/DDT LNDFL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 115	B 116	B 118	117	WES44	WES43	WES80
WATER										
LEVELS (A)	02 JUN 82		FT							243.3
LEVELS (A)	21 JUN 82		FT	261.7	254.6	266.2				
LEVELS (A)	23 JUN 82		FT				250.1	249.0	250.3	
ARSENIC	02 JUN 82	.010	MGL							ND
ARSENIC	22 JUN 82	.010	MGL	ND	ND	ND				
ARSENIC	23 JUN 82	.010	MGL				ND	ND	ND	
BARIUM	02 JUN 82	.1	MGL							ND
BARIUM	22 JUN 82	.1	MGL	ND	ND	ND				
BARIUM	23 JUN 82	.1	MGL				.2	ND	ND	
CADMIUM	02 JUN 82	.005	MGL							ND
CADMIUM	22 JUN 82	.005	MGL	ND	ND	ND				
CADMIUM	23 JUN 82	.005	MGL				ND	.005	ND	
CHROMIUM	02 JUN 82	.010	MGL							ND
CHROMIUM	22 JUN 82	.010	MGL	ND	ND	ND				
CHROMIUM	23 JUN 82	.010	MGL				ND	ND	ND	
FLUORIDE	02 JUN 82	.10	MGL							.24
FLUORIDE	22 JUN 82	.10	MGL	ND	.35	.10				
FLUORIDE	23 JUN 82	.10	MGL				.10	2.00*	.10	
LEAD	02 JUN 82	.010	MGL							.023
LEAD	22 JUN 82	.010	MGL	ND	ND	ND				
LEAD	23 JUN 82	.010	MGL				ND	ND	ND	
MERCURY	02 JUN 82	.2	UGL							.3
MERCURY	22 JUN 82	.2	UGL	ND	ND	ND				
MERCURY	23 JUN 82	.2	UGL				ND	.6	ND	
NO2+NO3 AS N	02 JUN 82	.05	MGL							2.00
NO2+NO3 AS N	22 JUN 82	.05	MGL	68.00*	ND	.24				
NO2+NO3 AS N	23 JUN 82	.05	MGL				ND	ND	.14	
SELENIUM	02 JUN 82	.005	MGL							.043*
SELENIUM	22 JUN 82	.005	MGL	ND	ND	ND				
SELENIUM	23 JUN 82	.005	MGL				ND	.005	ND	
SILVER	02 JUN 82	.01	MGL							ND
SILVER	22 JUN 82	.01	MGL	ND	ND	ND				
SILVER	23 JUN 82	.01	MGL				ND	ND	ND	
ENDRIN	02 JUN 82	.04	UGL							ND
ENDRIN	22 JUN 82	.04	UGL	ND	ND	ND				
ENDRIN	23 JUN 82	.04	UGL				ND	ND	ND	
LINDANE	02 JUN 82	.08	UGL							ND
LINDANE	22 JUN 82	.08	UGL	ND	ND	ND				
LINDANE	23 JUN 82	.08	UGL				ND	ND	ND	
TOXAPHENE	02 JUN 82	1.6	UGL							ND

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 11 - OLD MFG/DDT LNDFL

SAMPLING SITES RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	B 115	B 116	B 118	117	WES44	WES43	WES80
TOXAPHENE	22 JUN 82	1.6	UGL	ND	ND	ND				
TOXAPHENE	23 JUN 82	1.6	UGL				ND	ND	ND	
METHOXYCHLOR	02 JUN 82	1.6	UGL							ND
METHOXYCHLOR	22 JUN 82	1.6	UGL	ND	ND	ND				
METHOXYCHLOR	23 JUN 82	1.6	UGL				ND	ND	ND	
2,4-D	02 JUN 82	3.8	UGL							ND
2,4-D	22 JUN 82	3.8	UGL	ND	ND	ND				
2,4-D	23 JUN 82	3.8	UGL				ND	ND	ND	
SILVEX	02 JUN 82	.5	UGL							ND
SILVEX	22 JUN 82	.5	UGL	ND	ND	ND				
SILVEX	23 JUN 82	.5	UGL				ND	ND	ND	
GROSS ALPHA	02 JUN 82	11.90	PCL							ND
GROSS ALPHA	22 JUN 82	3.29	PCL	ND	ND	ND				
GROSS ALPHA	23 JUN 82	1.30	PCL				1.92	19.00	<3.73	
RADIUM-226	02 JUN 82	.24	PCL							ND
GROSS BETA	02 JUN 82	1.30	PCL							6.78
GROSS BETA	22 JUN 82	1.61	PCL	ND	2.28	ND				
GROSS BETA	23 JUN 82	1.30	PCL				2.58	15.60	20.70	
CHLORIDE	02 JUN 82	1.0	MGL							340.0#
CHLORIDE	22 JUN 82	1.0	MGL	22.0	25.0	2.0				
CHLORIDE	23 JUN 82	1.0	MGL				22.0	48.0	420.0#	
IRON	02 JUN 82	.03	MGL							ND
IRON	22 JUN 82	.03	MGL	.38#	.11	ND				
IRON	23 JUN 82	.03	MGL				.06	.45#	.42#	
MANGANESE	02 JUN 82	.01	MGL							1.45#
MANGANESE	22 JUN 82	.01	MGL	.51#	.89#	.23#				
MANGANESE	23 JUN 82	.01	MGL				1.25#	.70#	1.25#	
PHENOL	02 JUN 82	.01	MGL							.02
PHENOL	22 JUN 82	.01	MGL	.01	.08	ND				
PHENOL	23 JUN 82	.01	MGL				.02	.02	.03	
SODIUM	02 JUN 82	1.	MGL							420.
SODIUM	22 JUN 82	1.	MGL	35.	42.	12.				
SODIUM	23 JUN 82	1.	MGL				41.	392.	620.	
SULFATE	02 JUN 82	5.0	MGL							1370.0#
SULFATE	22 JUN 82	5.0	MGL	33.0	7.0	25.0				
SULFATE	23 JUN 82	5.0	MGL				53.0	1580.0#	820.0#	
PH(FIELD)	02 JUN 82		PH							5.7#
PH(FIELD)	02 JUN 82		PH							5.7#
PH(FIELD)	02 JUN 82		PH							5.7#
PH(FIELD)	02 JUN 82		PH							5.7#
PH(FIELD)	22 JUN 82		PH	5.5#	6.6	6.4#				

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 11 - OLD MFG/DDT LNDFL

SAMPLING SITES
RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	B 115	B 116	B 118	117	WES44	WES43	WES80
PH(FIELD)	22 JUN 82		PH	5.5#	6.6	6.4#				
PH(FIELD)	22 JUN 82		PH	5.5#	6.6	6.4#				
PH(FIELD)	22 JUN 82		PH	5.5#	6.6	6.4#				
PH(FIELD)	23 JUN 82		PH				6.0#	4.0#	6.2#	
PH(FIELD)	23 JUN 82		PH				6.0#	4.0#	6.2#	
PH(FIELD)	23 JUN 82		PH				6.0#	4.0#	6.2#	
PH(FIELD)	23 JUN 82		PH				6.0#	4.0#	6.2#	
SPEC COND	02 JUN 82	1.	UMC							3650.
SPEC COND	02 JUN 82	1.	UMC							3680.
SPEC COND	02 JUN 82	1.	UMC							3640.
SPEC COND	02 JUN 82	1.	UMC							3680.
SPEC COND	22 JUN 82	1.	UMC	260.	430.	134.				
SPEC COND	22 JUN 82	1.	UMC	260.	430.	134.				
SPEC COND	22 JUN 82	1.	UMC	260.	430.	134.				
SPEC COND	22 JUN 82	1.	UMC	260.	430.	134.				
SPEC COND	23 JUN 82	1.	UMC				360.	3120.	3120.	
SPEC COND	23 JUN 82	1.	UMC				360.	3120.	3120.	
SPEC COND	23 JUN 82	1.	UMC				360.	3120.	3120.	
SPEC COND	23 JUN 82	1.	UMC				360.	3120.	3120.	
TOC	02 JUN 82	1.0	MGL							40.0
TOC	02 JUN 82	1.0	MGL							37.0
TOC	02 JUN 82	1.0	MGL							37.0
TOC	02 JUN 82	1.0	MGL							38.0
TOC	22 JUN 82	1.0	MGL	32.0	37.0	16.0				
TOC	22 JUN 82	1.0	MGL	32.0	37.0	16.0				
TOC	22 JUN 82	1.0	MGL	32.0	37.0	17.0				
TOC	22 JUN 82	1.0	MGL	32.0	37.0	16.0				
TOC	23 JUN 82	1.0	MGL				33.0	67.0	48.0	
TOC	23 JUN 82	1.0	MGL				32.0	66.0	47.0	
TOC	23 JUN 82	1.0	MGL				32.0	66.0	48.0	
TOC	23 JUN 82	1.0	MGL				33.0	67.0	48.0	
TOX	02 JUN 82	.010	MGL							.190 C
TOX	02 JUN 82	.010	MGL							.190 C
TOX	02 JUN 82	.010	MGL							.180 C
TOX	02 JUN 82	.010	MGL							.160 C
TOX	22 JUN 82	.010	MGL	.041 C	2.860 C	.270 C				
TOX	22 JUN 82	.010	MGL	.042 C	2.710 C	.280 C				
TOX	22 JUN 82	.010	MGL	.043 C	2.680 C	.270 C				
TOX	22 JUN 82	.010	MGL	.045 C	2.520 C	.290 C				
TOX	23 JUN 82	.010	MGL				.107 C	.260 C	.031 C	
TOX	23 JUN 82	.010	MGL				.090 C	.320 C	.033 C	
TOX	23 JUN 82	.010	MGL				.107 C	.320 C	.038 C	
TOX	23 JUN 82	.010	MGL				.096 C	.330 C	.029 C	

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 11 - OLD MFG/DDT LNDFL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS WES62	WES29
WATER LEVELS (A)	01 JUN 82		FT	248.9	230.5
ARSENIC	01 JUN 82	.010	MGL		ND
ARSENIC	02 JUN 82	.010	MGL	ND	
BARIUM	01 JUN 82	.1	MGL		ND
BARIUM	02 JUN 82	.1	MGL	.3	
CADMIUM	01 JUN 82	.005	MGL		.030*
CADMIUM	02 JUN 82	.005	MGL	ND	
CHROMIUM	01 JUN 82	.010	MGL		.190*
CHROMIUM	02 JUN 82	.010	MGL	.050	
FLUORIDE	01 JUN 82	.10	MGL		2.00*
FLUORIDE	02 JUN 82	.10	MGL	1.00	
LEAD	01 JUN 82	.010	MGL		.013
LEAD	02 JUN 82	.010	MGL	ND	
MERCURY	01 JUN 82	.2	UGL		ND
MERCURY	02 JUN 82	.2	UGL	1.9	
NO2+NO3 AS N	01 JUN 82	.05	MGL		14.00*
NO2+NO3 AS N	02 JUN 82	.05	MGL	47.00*	
SELENIUM	01 JUN 82	.005	MGL		ND
SELENIUM	02 JUN 82	.005	MGL	ND	
SILVER	01 JUN 82	.01	MGL		ND
SILVER	02 JUN 82	.01	MGL	ND	
ENDRIN	01 JUN 82	.04	UGL		ND
ENDRIN	02 JUN 82	.04	UGL	ND	
LINDANE	01 JUN 82	.08	UGL		ND
LINDANE	02 JUN 82	.08	UGL	ND	
TOXAPHENE	01 JUN 82	1.6	UGL		ND
TOXAPHENE	02 JUN 82	1.6	UGL	ND	
METHOXYCHLOR	01 JUN 82	1.6	UGL		ND
METHOXYCHLOR	02 JUN 82	1.6	UGL	ND	
2,4-D	01 JUN 82	3.8	UGL		10.3 C
2,4-D	02 JUN 82	3.8	UGL	ND	
SILVEX	01 JUN 82	.5	UGL		ND
SILVEX	02 JUN 82	.5	UGL	ND	
GROSS ALPHA	01 JUN 82	1.30	PCL		50.20
GROSS ALPHA	02 JUN 82	10.10	PCL	ND	
RADIUM-226	02 JUN 82	.05	PCL	.17	
GROSS BETA	01 JUN 82	1.30	PCL		19.90
GROSS BETA	02 JUN 82	1.30	PCL	3.54	
CHLORIDE	01 JUN 82	1.0	MGL		780.0#
CHLORIDE	02 JUN 82	1.0	MGL	400.0#	

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 11 - OLD MFG/DDT LNDFL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS WES62	WES29
IRON	01 JUN 82	.03	MGL		12.00#
IRON	02 JUN 82	.03	MGL	1.84#	
MANGANESE	01 JUN 82	.01	MGL		1.50#
MANGANESE	02 JUN 82	.01	MGL	.95#	
PHENOL	01 JUN 82	.01	MGL		.05
PHENOL	02 JUN 82	.01	MGL	.03	
SODIUM	01 JUN 82	1.	MGL		346.
SODIUM	02 JUN 82	1.	MGL	396.	
SULFATE	01 JUN 82	5.0	MGL		280.0#
SULFATE	02 JUN 82	5.0	MGL	910.0#	
PH(FIELD)	01 JUN 82		PH		4.2#
PH(FIELD)	01 JUN 82		PH		4.2#
PH(FIELD)	01 JUN 82		PH		4.2#
PH(FIELD)	01 JUN 82		PH		4.2#
PH(FIELD)	02 JUN 82		PH	5.0#	
PH(FIELD)	02 JUN 82		PH	5.0#	
PH(FIELD)	02 JUN 82		PH	5.0#	
PH(FIELD)	02 JUN 82		PH	5.0#	
SPEC COND	01 JUN 82	1.	UMC		4200.
SPEC COND	01 JUN 82	1.	UMC		4190.
SPEC COND	01 JUN 82	1.	UMC		4200.
SPEC COND	01 JUN 82	1.	UMC		4200.
SPEC COND	02 JUN 82	1.	UMC	2950.	
SPEC COND	02 JUN 82	1.	UMC	2960.	
SPEC COND	02 JUN 82	1.	UMC	2970.	
SPEC COND	02 JUN 82	1.	UMC	2980.	
TOC	01 JUN 82	1.0	MGL		53.0
TOC	01 JUN 82	1.0	MGL		55.0
TOC	01 JUN 82	1.0	MGL		55.0
TOC	01 JUN 82	1.0	MGL		54.0
TOC	02 JUN 82	1.0	MGL	60.0	
TOC	02 JUN 82	1.0	MGL	60.0	
TOC	02 JUN 82	1.0	MGL	61.0	
TOC	02 JUN 82	1.0	MGL	60.0	
TOX	01 JUN 82	.010	MGL		.270 C
TOX	01 JUN 82	.010	MGL		.260 C
TOX	01 JUN 82	.010	MGL		.280 C
TOX	01 JUN 82	.010	MGL		.260 C
TOX	02 JUN 82	.010	MGL	.510 C	
TOX	02 JUN 82	.010	MGL	1.090 C	
TOX	02 JUN 82	.010	MGL	1.200 C	
TOX	02 JUN 82	.010	MGL	1.120 C	

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 11 - OLD MFG/DDT LNDFL

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

A VALUES SHOWN ARE FOR WATER LEVEL ELEVATION ABOVE A REFERENCE DATUM
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD
# VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER REGULATION CRITERIA

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 11C - SRB-3

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 126	127	128	WES63
WATER LEVELS (A)	21-JUN 82		FT	256.5	244.9	246.5	236.4
ARSENIC	21-JUN 82	.010	MGL	.011	ND	ND	7.800*
BARIUM	21-JUN 82	.1	MGL	ND	ND	ND	ND
CADMIUM	21-JUN 82	.005	MGL	ND	ND	ND	ND
CHROMIUM	21-JUN 82	.010	MGL	ND	ND	ND	ND
FLUORIDE	21-JUN 82	.10	MGL	.29	.27	.39	.27
LEAD	21-JUN 82	.010	MGL	.010	ND	.010	ND
MERCURY	21-JUN 82	.2	UGL	ND	ND	ND	ND
NO2+NO3 AS N	21-JUN 82	.05	MGL	29.00*	.05	ND	.08
SELENIUM	21-JUN 82	.005	MGL	ND	ND	ND	ND
SILVER	21-JUN 82	.01	MGL	ND	ND	ND	ND
ENDRIN	21-JUN 82	.04	UGL	ND	ND	ND	ND
LINDANE	21-JUN 82	.08	UGL	ND	ND	ND	ND
TOXAPHENE	21-JUN 82	1.6	PCL	ND	ND	ND	ND
METHOXYCHLOR	21-JUN 82	1.6	UGL	ND	ND	ND	ND
2,4-D	21-JUN 82	3.8	UGL	ND	ND	ND	ND
SILVEX	21-JUN 82	.5	UGL	ND	ND	ND	ND
GROSS ALPHA	21-JUN 82	1.70	PCL	10.20	ND	19.50*	3.53
RADIUM-226	21-JUN 82	.13	PCL	.30		ND	
GROSS BETA	21-JUN 82	1.30	PCL	6.54	1.39	5.33	3.78
CHLORIDE	21-JUN 82	1.0	MGL	130.0	95.0	630.0#	160.0
IRON	21-JUN 82	.03	MGL	5.30#	ND	.07	1.80#
MANGANESE	21-JUN 82	.01	MGL	2.20#	1.26#	5.30#	.27#
PHENOL	21-JUN 82	.01	MGL	.02	.02	.02	ND
SODIUM	21-JUN 82	1.	MGL	466.	172.	1000.	256.
SULFATE	21-JUN 82	5.0	MGL	1260.0#	160.0	1480.0#	350.0#
PH(FIELD)	21-JUN 82		PH	6.1#	6.4#	6.4#	6.0#
PH(FIELD)	21-JUN 82		PH	6.1#	6.5	6.3#	6.1#
PH(FIELD)	21-JUN 82		PH	6.1#	6.5	6.5	6.0#
PH(FIELD)	21-JUN 82		PH	6.1#	6.5	6.5	6.1#
SPEC COND	21-JUN 82	1.	UMC	1750.	1005.	4750.	1440.
SPEC COND	21-JUN 82	1.	UMC	1750.	1005.	4800.	1440.
SPEC COND	21-JUN 82	1.	UMC	1750.	1005.	4750.	1440.
SPEC COND	21-JUN 82	1.	UMC	1750.	1005.	4750.	1450.
TOC	21-JUN 82	1.0	MGL	33.0	36.0	41.0	25.0
TOC	21-JUN 82	1.0	MGL	32.0	36.0	41.0	26.0
TOC	21-JUN 82	1.0	MGL	33.0	37.0	41.0	26.0
TOC	21-JUN 82	1.0	MGL	32.0	36.0	42.0	26.0
TOX	21-JUN 82	.010	MGL	.102 C	.180 C	.120 C	1.000 C
TOX	21-JUN 82	.010	MGL	.092 C	.150 C	.130 C	1.320 C
TOX	21-JUN 82	.010	MGL	.110 C	.180 C	.160 C	2.680 C
TOX	21-JUN 82	.010	MGL	.092 C	.180 C	.180 C	1.000 C

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 11C - SRB-3

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

A VALUES SHOWN ARE FOR WATER LEVEL ELEVATION ABOVE A REFERENCE DATUM
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD
# VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER REGULATION CRITERIA

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 17 - PA TEST & DUMP

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 119	158	159	160
WATER							
LEVELS (A)	14 JUL 82		FT		200.5	202.4	200.8
LEVELS (A)	14 JUL 82			230.7			
ARSENIC	14 JUL 82	.010	MGL	ND	ND	ND	ND
BARIUM	14 JUL 82	.1	MGL	ND	.4	ND	.6
CADMIUM	14 JUL 82	.005	MGL	ND	ND	ND	ND
CHROMIUM	14 JUL 82	.010	MGL	ND	ND	ND	.020
FLUORIDE	14 JUL 82	.10	MGL	.17	.54	.40	.35
LEAD	14 JUL 82	.010	MGL	ND	ND	ND	ND
NO2+NO3 AS N	14 JUL 82	.05	MGL	24.00*	.23	ND	.11
SELENIUM	14 JUL 82	.005	MGL	ND	ND	ND	ND
SILVER	14 JUL 82	.01	MGL	ND	.05	ND	ND
MERCURY	14 JUL 82	.20	UGL	ND	ND	ND	ND
ENDRIN	14 JUL 82	.04	UGL	ND	ND	ND	ND
LINDANE	14 JUL 82	.08	UGL	ND	ND	ND	ND
TOXAPHENE	14 JUL 82	1.6	UGL	ND	ND	ND	ND
METHOXYCHLOR	14 JUL 82	1.6	UGL	ND	ND	ND	ND
2,4-D	14 JUL 82	3.8	UGL	ND	ND	ND	ND
SILVEX	14 JUL 82	.5	UGL	ND	ND	ND	ND
GROSS ALPHA	14 JUL 82	6.18	PCL	<4.45	<4.51	<5.80	<6.18
GROSS BETA	14 JUL 82	2.60	PCL	2.89	ND	4.56	4.37
CHLORIDE	14 JUL 82	1.0	MGL	78.0	14.0	80.0	57.0
IRON	14 JUL 82	.03	MGL	.12	5.92#	.03	1.15#
MANGANESE	14 JUL 82	.01	MGL	.95#	2.00#	4.10#	3.60#
PHENOL	14 JUL 82	.01	MGL	.03	.01	.01	.07
SODIUM	14 JUL 82	1.	MGL	63.	24.	71.	3.
SULFATE	14 JUL 82	5.0	MGL	16.0	13.0	32.0	9.0
PH(FIELD)	14 JUL 82		PH	6.4#	6.3#	6.5	6.4#
PH(FIELD)	14 JUL 82		PH	6.4#	6.3#	6.5	6.4#
PH(FIELD)	14 JUL 82		PH	6.4#	6.3#	6.5	6.4#
PH(FIELD)	14 JUL 82		PH	6.4#	6.3#	6.5	6.4#
SPEC COND	14 JUL 82	1.	UMC	525.	483.	865.	865.
SPEC COND	14 JUL 82	1.	UMC	525.	475.	860.	860.
SPEC COND	14 JUL 82	1.	UMC	525.	480.	860.	860.
SPEC COND	14 JUL 82	1.	UMC	535.	475.	865.	860.
TOC	14 JUL 82	1.0	MGL	28.0	50.0	41.0	59.0
TOC	14 JUL 82	1.0	MGL	27.0	50.0	42.0	59.0
TOC	14 JUL 82	1.0	MGL	28.0	50.0	42.0	59.0
TOC	14 JUL 82	1.0	MGL	27.0	51.0	42.0	59.0
TOX	14 JUL 82	.010	MGL	ND	.042 C	.210 C	.034 C
TOX	14 JUL 82	.010	MGL	.045 C	.045 C	.180 C	.052 C
TOX	14 JUL 82	.010	MGL	.047 C	ND	.190 C	.047 C
TOX	14 JUL 82	.010	MGL	.041 C	.044 C	.200 C	.026 C

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 17 - PA TEST & DUMP

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

A VALUES SHOWN ARE FOR WATER LEVEL ELEVATION ABOVE A REFERENCE DATUM
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD
# VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER REGULATION CRITERIA

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 20A - BURN/DEMO/STOR

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 120	B 121	B 123	161	162	163	164
WATER										
LEVELS (A)	15 JUN 82		FT			200.3				
LEVELS (A)	14 JUN 82		FT	200.7	201.5					
LEVELS (A)	15 JUN 82		FT				203.2	203.2	201.8	190.4
ARSENIC	14 JUN 82	.010	MGL	ND	ND					
ARSENIC	15 JUN 82	.010	MGL			ND	ND	ND	.017	ND
BARIUM	14 JUN 82	.1	MGL	ND	ND					
BARIUM	15 JUN 82	.1	MGL			ND	ND	ND	1.9*	ND
CADMIUM	14 JUN 82	.005	MGL	ND	ND					
CADMIUM	15 JUN 82	.005	MGL			ND	ND	ND	ND	ND
CHROMIUM	14 JUN 82	.010	MGL	ND	ND					
CHROMIUM	15 JUN 82	.010	MGL			ND	ND	ND	.010	ND
FLUORIDE	14 JUN 82	.10	MGL	.14	.16					
FLUORIDE	15 JUN 82	.10	MGL			.17	.19	.18	.26	.17
LEAD	14 JUN 82	.010	MGL	ND	ND					
LEAD	15 JUN 82	.010	MGL			ND	ND	ND	ND	ND
MERCURY	14 JUN 82	.2	UGL	ND	ND					
MERCURY	15 JUN 82	.2	MGL			ND	ND	ND	ND	ND
NO2+NO3 AS N	14 JUN 82	.05	MGL	.09	.06					
NO2+NO3 AS N	15 JUN 82	.05	MGL			.10	ND	.06	.05	ND
SELENIUM	14 JUN 82	.005	MGL	ND	ND					
SELENIUM	15 JUN 82	.005	MGL			ND	ND	ND	ND	ND
SILVER	14 JUN 82	.01	MGL	ND	ND					
SILVER	15 JUN 82	.01	MGL			ND	ND	ND	.03	ND
ENDRIN	14 JUN 82	.04	UGL	ND	ND					
ENDRIN	15 JUN 82	.04	UGL			ND	ND	ND	ND	ND
LINDANE	14 JUN 82	.08	UGL	ND	ND					
LINDANE	15 JUN 82	.08	UGL			ND	ND	ND	ND	ND
TOXAPHENE	14 JUN 82	1.6	UGL	ND	ND					
TOXAPHENE	15 JUN 82	1.6	UGL			ND	ND	ND	ND	ND
METHOXYCHLOR	14 JUN 82	1.6	UGL	ND	ND					
METHOXYCHLOR	15 JUN 82	1.6	UGL			ND	ND	ND	ND	ND
2,4-D	14 JUN 82	3.8	UGL	ND	ND					
2,4-D	15 JUN 82	3.8	UGL			ND	ND	ND	ND	ND
SILVEX	14 JUN 82	.5	UGL	ND	ND					
SILVEX	15 JUN 82	.5	UGL			ND	ND	ND	ND	ND
GROSS ALPHA	14 JUN 82	2.26	PCL	ND	3.05					
GROSS ALPHA	15 JUN 82	7.80	PCL			3.46	9.55	5.61	<7.80	8.41
RADIUM-226	15 JUN 82	.05	PCL					.32	.24	.21
GROSS BETA	14 JUN 82	1.30	PCL	3.72	4.14					
GROSS BETA	15 JUN 82	1.30	PCL			3.03	11.40	6.00	7.15	2.79

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 20A - BURN/DEMO/STOR

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 120	B 121	B 123	161	162	163	164
CHLORIDE	14 JUN 82	1.0	MGL	79.0	16.0					
CHLORIDE	15 JUN 82	1.0	MGL			45.0	98.0	140.0	440.0#	41.0
IRON	14 JUN 82	.03	MGL	.44#	.16					
IRON	15 JUN 82	.03	MGL			.96#	.05	ND	28.00#	ND
MANGANESE	14 JUN 82	.01	MGL	.32#	.12#					
MANGANESE	15 JUN 82	.01	MGL			.88#	2.50#	.78#	1.21#	1.85#
PHENOL	14 JUN 82	.01	MGL	.09	.05					
PHENOL	15 JUN 82	.01	MGL			.01	ND	ND	ND	ND
SODIUM	14 JUN 82	1.	MGL	45.	30.					
SODIUM	15 JUN 82	1.	MGL			37.	74.	92.	144.	27.
SULFATE	14 JUN 82	5.0	MGL	ND	5.0					
SULFATE	15 JUN 82	5.0	MGL			ND	11.0	ND	ND	8.0
PH(FIELD)	14 JUN 82		PH	6.3#	6.5					
PH(FIELD)	14 JUN 82		PH	6.3#	6.5					
PH(FIELD)	14 JUN 82		PH	6.3#	6.5					
PH(FIELD)	14 JUN 82		PH	6.3#	6.5					
PH(FIELD)	15 JUN 82		PH			6.0#	7.0	7.1	7.0	6.7
PH(FIELD)	15 JUN 82		PH			6.0#	7.0	7.1	7.0	6.7
PH(FIELD)	15 JUN 82		PH			6.0#	7.0	7.1	7.0	6.7
PH(FIELD)	15 JUN 82		PH			6.0#	7.0	7.1	7.0	6.7
SPEC COND	14 JUN 82	1.	UMC	520.	440.					
SPEC COND	14 JUN 82	1.	UMC	530.	425.					
SPEC COND	14 JUN 82	1.	UMC	530.	420.					
SPEC COND	14 JUN 82	1.	UMC	540.	430.					
SPEC COND	15 JUN 82	1.	UMC			380.	1300.	2150.	2400.	1500.
SPEC COND	15 JUN 82	1.	UMC			380.	1300.	2100.	2400.	1500.
SPEC COND	15 JUN 82	1.	UMC			390.	1300.	2150.	2400.	1500.
SPEC COND	15 JUN 82	1.	UMC			380.	1280.	2150.	2400.	1500.
TOC	14 JUN 82	1.0	MGL	27.0	31.0					
TOC	14 JUN 82	1.0	MGL	28.0	29.0					
TOC	14 JUN 82	1.0	MGL	28.0	30.0					
TOC	14 JUN 82	1.0	MGL	27.0	31.0					
TOC	15 JUN 82	1.0	MGL			24.0	124.0	172.0	148.0	150.0
TOC	15 JUN 82	1.0	MGL			24.0	123.0	171.0	148.0	149.0
TOC	15 JUN 82	1.0	MGL			24.0	124.0	171.0	149.0	149.0
TOC	15 JUN 82	1.0	MGL			24.0	123.0	172.0	148.0	148.0
TOX	14 JUN 82	.010	MGL	.045 C	.034 C					
TOX	14 JUN 82	.010	MGL	.033 C	ND					
TOX	14 JUN 82	.010	MGL	.020 C	.040 C					
TOX	14 JUN 82	.010	MGL	.046 C	.034 C					
TOX	15 JUN 82	.010	MGL			ND	.170 C	.033 C	.370 C	.057 C
TOX	15 JUN 82	.010	MGL			ND	.170 C	.039 C	.470 C	.035 C
TOX	15 JUN 82	.010	MGL			ND	.180 C	.035 C	.330 C	.033 C
TOX	15 JUN 82	.010	MGL			.013 C	.180 C	.042 C	.380 C	.060 C

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 20A - BURN/DEMO/STOR

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

A VALUES SHOWN ARE FOR WATER LEVEL ELEVATION ABOVE A REFERENCE DATUM
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD
# VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER REGULATION CRITERIA

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 23A - HC TEST POND

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 147	146	148	149
WATER LEVELS (A)	07 JUL 82		FT	218.2	212.1	201.6	221.7
ARSENIC	07 JUL 82	.010	MGL	ND	ND	ND	ND
BARIUM	07 JUL 82	.1	MGL	ND	ND	ND	4.3*
CADMIUM	07 JUL 82	.005	MGL	ND	ND	.007	.040*
CHROMIUM	07 JUL 82	.010	MGL	.040	ND	.030	ND
FLUORIDE	07 JUL 82	.10	MGL	.12	.24	.14	.22
LEAD	07 JUL 82	.010	MGL	ND	ND	.040	.110*
MERCURY	07 JUL 82	.2	UGL	ND	ND	ND	ND
NO2+NO3 AS N	07 JUL 82	.05	MGL	100.00*	.12	1.00	.16
SELENIUM	07 JUL 82	.005	MGL	ND	ND	ND	ND
SILVER	07 JUL 82	.01	MGL	ND	ND	ND	ND
ENDRIN	07 JUL 82	.04	UGL	ND	ND	ND	ND
LINDANE	07 JUL 82	.08	UGL	ND	ND	ND	ND
TOXAPHENE	07 JUL 82	1.6	UGL	ND	ND	ND	ND
METHOXYCHLOR	07 JUL 82	1.6	UGL	ND	ND	ND	ND
2,4-D	07 JUL 82	3.8	UGL	ND	ND	ND	ND
SILVEX	07 JUL 82	.5	UGL	ND	ND	ND	ND
GROSS ALPHA	07 JUL 82	14.50	PCL	<2.90	<4.05	<14.5	13.60
GROSS BETA	07 JUL 82	2.61	PCL	ND	ND	2.13	47.80
STRONTIUM-90	07 JUL 82	1.0	PCL				1.3
CHLORIDE	07 JUL 82	1.0	MGL	17.0	75.0	1320.0#	1330.0#
IRON	07 JUL 82	.03	MGL	1.59#	.10	6.50#	41.80#
MANGANESE	07 JUL 82	.01	MGL	.78#	.16#	1.29#	8.30#
PHENOL	07 JUL 82	.01	MGL	.03	.01	.02	.04
SODIUM	07 JUL 82	1.	MGL	34.	94.	612.	96.
SULFATE	07 JUL 82	.5	MGL	ND	13.0	360.0#	ND
PH(FIELD)	07 JUL 82		PH	5.8#	7.2	6.5	5.7#
PH(FIELD)	07 JUL 82		PH	5.8#	7.2	6.5	5.7#
PH(FIELD)	07 JUL 82		PH	5.8#	7.2	6.5	5.7#
PH(FIELD)	07 JUL 82		PH	5.8#	7.2	6.5	5.7#
SPEC COND	07 JUL 82	1.	UMC	310.	580.	4300.	3850.
SPEC COND	07 JUL 82	1.	UMC	310.	580.	4300.	3850.
SPEC COND	07 JUL 82	1.	UMC	310.	580.	4300.	3850.
SPEC COND	07 JUL 82	1.	UMC	310.	580.	4400.	3850.
TOC	07 JUL 82	1.0	MGL	44.0	40.0	70.0	38.0
TOC	07 JUL 82	1.0	MGL	44.0	40.0	70.0	38.0
TOC	07 JUL 82	1.0	MGL	44.0	39.0	70.0	38.0
TOC	07 JUL 82	1.0	MGL	44.0	40.0	70.0	38.0
TOX	07 JUL 82	.010	MGL	.014 C	.190 C	.390 C	15.110 C
TOX	07 JUL 82	.010	MGL	ND	.190 C	.420 C	11.690 C
TOX	07 JUL 82	.010	MGL	.017 C	.180 C	.410 C	16.020 C
TOX	07 JUL 82	.010	MGL	.020 C	.190 C	.410 C	13.650 C

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 23A - HC TEST POND

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

A VALUES SHOWN ARE FOR WATER LEVEL ELEVATION ABOVE A REFERENCE DATUM
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD
# VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER REGULATION CRITERIA

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 24 - THERMITE DISPOSAL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 152	150	151	153
WATER LEVELS (A)	07 JUL 82		FT	194.2	188.3	201.3	201.6
ARSENIC	08 JUL 82	.010	MGL	ND	ND	ND	ND
BARIUM	08 JUL 82	.1	MGL	ND	.4	.3	ND
CADMIUM	08 JUL 82	.005	MGL	ND	ND	ND	ND
CHROMIUM	08 JUL 82	.010	MGL	.030	.020	.020	.020
FLUORIDE	08 JUL 82	.10	MGL	.18	.12	.12	ND
LEAD	08 JUL 82	.010	MGL	ND	ND	ND	ND
MERCURY	08 JUL 82	.2	UGL	ND	ND	ND	ND
NO2+NO3 AS N	08 JUL 82	.05	MGL	37.00*	.67	2.00	.28
SELENIUM	08 JUL 82	.005	MGL	ND	ND	ND	ND
SILVER	08 JUL 82	.01	MGL	ND	ND	ND	ND
ENDRIN	08 JUL 82	.04	UGL	ND	ND	ND	ND
LINDANE	08 JUL 82	.08	UGL	ND	ND	ND	ND
TOXAPHENE	08 JUL 82	1.6	UGL	ND	ND	ND	ND
METHOXYCHLOR	08 JUL 82	1.6	UGL	ND	ND	ND	ND
2,4-D	08 JUL 82	3.8	UGL	ND	ND	ND	ND
SILVEX	08 JUL 82	.5	UGL	ND	ND	ND	ND
GROSS ALPHA	08 JUL 82	4.45	PCL	4.15	ND	2.86	ND
GROSS BETA	08 JUL 82	2.56	PCL	10.10	2.64	16.20	ND
STRONTIUM-90	08 JUL 82	1.0	PCL			ND	
CHLORIDE	08 JUL 82	1.0	MGL	26.0	55.0	12.0	7.0
IRON	08 JUL 82	.03	MGL	.11	.08	ND	ND
MANGANESE	08 JUL 82	.01	MGL	.93#	.83#	1.01#	.13#
PHENOL	08 JUL 82	.01	MGL	.01	.01	.01	ND
SODIUM	08 JUL 82	1.	MGL	58.	66.	45.	10.
SULFATE	08 JUL 82	.5	MGL	ND	8.0	7.0	5.0
PH(FIELD)	08 JUL 82		PH	6.0#	6.8	6.4#	6.3#
PH(FIELD)	08 JUL 82		PH	6.0#	6.8	6.4#	6.3#
PH(FIELD)	08 JUL 82		PH	6.0#	6.8	6.4#	6.3#
PH(FIELD)	08 JUL 82		PH	6.0#	6.8	6.4#	6.3#
SPEC COND	08 JUL 82	1.	UMC	317.	620.	450.	160.
SPEC COND	08 JUL 82	1.	UMC	315.	620.	450.	160.
SPEC COND	08 JUL 82	1.	UMC	320.	620.	450.	160.
SPEC COND	08 JUL 82	1.	UMC	317.	620.	450.	160.
TOC	08 JUL 82	1.0	MGL	47.0	45.0	50.0	23.0
TOC	08 JUL 82	1.0	MGL	47.0	44.0	49.0	24.0
TOC	08 JUL 82	1.0	MGL	46.0	44.0	50.0	25.0
TOC	08 JUL 82	1.0	MGL	46.0	45.0	50.0	24.0
TOX	08 JUL 82	.010	MGL	.016 C	.058 C	.053 C	.012 C
TOX	08 JUL 82	.010	MGL	.015 C	.038 C	.053 C	.011 C
TOX	08 JUL 82	.010	MGL	.027 C	.058 C	.043 C	.011 C
TOX	08 JUL 82	.010	MGL	.032 C	.054 C	.053 C	ND

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 24 - THERMITE DISPOSAL

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

A VALUES SHOWN ARE FOR WATER LEVEL ELEVATION ABOVE A REFERENCE DATUM
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD
# VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER REGULATION CRITERIA

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 27 - BZ POND

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 154	155	156	157
WATER LEVELS (A)	26 JUL 82			195.1	201.1	216.9	
ARSENIC	27 JUL 82	.010	MGL	ND	ND	ND	ND
BARIUM	27 JUL 82	.1	MGL	ND	ND	ND	.5
CADMIUM	27 JUL 82	.005	MGL	ND	ND	ND	ND
CHROMIUM	27 JUL 82	.010	MGL	.100*	.030	ND	ND
FLUORIDE	27 JUL 82	.10	MGL	.34	.16	.14	ND
LEAD	27 JUL 82	.010	MGL	ND	ND	ND	ND
MERCURY	27 JUL 82	.2	UGL	ND	ND	ND	ND
NO2+NO3 AS N	27 JUL 82	.05	MGL	110.00*	2.00	.68	.23
SELENIUM	27 JUL 82	.005	MGL	ND	ND	ND	ND
SILVER	27 JUL 82	.01	MGL	ND	ND	ND	ND
ENDRIN	27 JUL 82	.04	UGL	ND	ND	ND	ND
LINDANE	27 JUL 82	.08	UGL	ND	ND	ND	ND
TOXAPHENE	27 JUL 82	1.6	UGL	ND	ND	ND	ND
METHOXYCHLOR	27 JUL 82	1.6	UGL	ND	ND	ND	ND
2,4-D	27 JUL 82	3.8	UGL	ND	ND	ND	ND
SILVEX	27 JUL 82	.5	UGL	ND	ND	ND	ND
GROSS ALPHA	27 JUL 82	5.82	PCL	5.39	<5.06	<5.82	<2.25
GROSS BETA	27 JUL 82	1.30	PCL	3.14	3.01	2.37	3.19
CHLORIDE	27 JUL 82	1.0	MGL	32.0	60.0	34.0	31.0
IRON	27 JUL 82	.03	MGL	.26	ND	.15	.12
MANGANESE	27 JUL 82	.01	MGL	1.08#	.26#	1.62#	.22#
PHENOL	27 JUL 82	.01	MGL	.03	.01	.01	.01
SODIUM	27 JUL 82	1.	MGL	113.	63.	112.	25.
SULFATE	27 JUL 82	5.0	MGL	30.0	39.0	360.0#	29.0
PH(FIELD)	27 JUL 82		PH	6.7	6.7	6.5	6.3#
PH(FIELD)	27 JUL 82		PH	6.7	6.7	6.5	6.3#
PH(FIELD)	27 JUL 82		PH	6.7	6.7	6.5	6.3#
PH(FIELD)	27 JUL 82		PH	6.7	6.7	6.5	6.3#
SPEC COND	27 JUL 82	1.	UMC	580.	590.	900.	162.
SPEC COND	27 JUL 82	1.	UMC	590.	595.	900.	158.
SPEC COND	27 JUL 82	1.	UMC	590.	600.	899.	159.
SPEC COND	27 JUL 82	1.	UMC	580.	595.	900.	156.
TOC	27 JUL 82	1.0	MGL	61.0	58.0	56.0	21.0
TOC	27 JUL 82	1.0	MGL	60.0	58.0	57.0	21.0
TOC	27 JUL 82	1.0	MGL	62.0	59.0	55.0	22.0
TOC	27 JUL 82	1.0	MGL	62.0	59.0	56.0	21.0
TOX	27 JUL 82	.010	MGL	.039 C	.081 C	.059 C	.045 C
TOX	27 JUL 82	.010	MGL	.067 C	.051 C	.067 C	.043 C
TOX	27 JUL 82	.010	MGL	.094 C	.065 C	.042 C	.027 C
TOX	27 JUL 82	.010	MGL	.045 C	.039 C	.062 C	.052 C

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 27 - BZ POND

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

A VALUES SHOWN ARE FOR WATER LEVEL ELEVATION ABOVE A REFERENCE DATUM
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD
# VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER REGULATION CRITERIA

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

RUN DATE: 08 NOV 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 35 - NORTH OXID POND

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B WES29	WES28	112	113	114
WATER LEVELS (A)	01 JUN 82		FT	230.5	229.0	218.9	226.0	219.6
ARSENIC	01 JUN 82	.010	MGL	ND		ND	ND	ND
ARSENIC	02 JUN 82	.010	MGL		ND			
BARIUM	01 JUN 82	.1	MGL	ND		ND	ND	ND
BARIUM	02 JUN 82	.1	MGL		ND			
CADMIUM	01 JUN 82	.005	MGL	.030*		.005	ND	ND
CADMIUM	02 JUN 82	.005	MGL		ND			
CHROMIUM	01 JUN 82	.010	MGL	.190*		ND	ND	ND
CHROMIUM	02 JUN 82	.010	MGL		ND			
FLUORIDE	01 JUN 82	.10	MGL	2.00*		.14	.19	.15
FLUORIDE	02 JUN 82	.10	MGL		.10			
LEAD	01 JUN 82	.010	MGL	.013		.021	ND	ND
LEAD	02 JUN 82	.010	MGL		ND			
MERCURY	01 JUN 82	.2	UGL	ND		ND	ND	ND
MERCURY	02 JUN 82	.2	UGL		ND			
NO2+NO3 AS N	01 JUN 82	.05	MGL	14.00*		.05	ND	ND
NO2+NO3 AS N	02 JUN 82	.05	MGL		.05			
SELENIUM	01 JUN 82	.005	MGL	ND		ND	ND	ND
SELENIUM	02 JUN 82	.005	MGL		ND			
SILVER	01 JUN 82	.01	MGL	ND		.01	ND	ND
SILVER	02 JUN 82	.01	MGL		ND			
ENDRIN	01 JUN 82	.04	UGL	ND		ND	ND	ND
ENDRIN	02 JUN 82	.04	UGL		ND			
LINDANE	01 JUN 82	.08	UGL	ND		ND	ND	ND
LINDANE	02 JUN 82	.08	UGL		ND			
TOXAPHENE	01 JUN 82	1.6	UGL	ND		ND	ND	ND
TOXAPHENE	02 JUN 82	1.6	UGL		ND			
METHOXYCHLOR	01 JUN 82	1.6	UGL	ND		ND	ND	ND
METHOXYCHLOR	02 JUN 82	1.6	UGL		ND			
2,4-D	01 JUN 82	3.8	UGL	10.3 C		10.8 C	9.9 C	10.1 C
2,4-D	02 JUN 82	3.8	UGL		ND			
SILVEX	01 JUN 82	.5	UGL	ND		ND	ND	ND
SILVEX	02 JUN 82	.5	UGL		ND			
GROSS ALPHA	01 JUN 82	9.33	PCL	50.20*		<5.95	<2.44	<9.33
GROSS ALPHA	02 JUN 82	7.34	PCL		<7.34			
RADIUM-226	09 JUN 82	.05	PCL		.28			
GROSS BETA	01 JUN 82	1.30	PCL	19.90		8.74	2.75	10.70
GROSS BETA	02 JUN 82	1.30	PCL		7.32			
STRONTIUM-90	02 JUN 82	1.0	PCL		ND			
CHLORIDE	01 JUN 82	1.0	MGL	780.0#		590.0#	61.0	530.0#

RUN DATE: 08 NOV 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 35 - NORTH OXID POND

SAMPLING SITES
RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	B WES29	WES28	112	113	114
CHLORIDE	02 JUN 82	1.0	MGL		330.0#			
IRON	01 JUN 82	.03	MGL	12.00#		21.00#	.13	20.80#
IRON	02 JUN 82	.03	MGL		.21			
MANGANESE	01 JUN 82	.01	MGL	1.50#		3.30#	.68#	3.50#
MANGANESE	02 JUN 82	.01	MGL		.40#			
PHENOL	01 JUN 82	.01	MGL	.05		.03	.01	.02
PHENOL	02 JUN 82	.01	MGL		.01			
SODIUM	01 JUN 82	1.	MGL	346.		342.	82.	334.
SODIUM	02 JUN 82	1.	MGL		232.			
SULFATE	01 JUN 82	5.0	MGL	280.0#		320.0#	14.0	320.0#
SULFATE	02 JUN 82	5.0	MGL		310.0#			
PH(FIELD)	01 JUN 82		PH	4.2#		6.7	6.7	6.6
PH(FIELD)	01 JUN 82		PH	4.2#		6.7	6.7	6.6
PH(FIELD)	01 JUN 82		PH	4.2#		6.7	6.7	6.6
PH(FIELD)	01 JUN 82		PH	4.2#		6.7	6.7	6.6
PH(FIELD)	02 JUN 82		PH		4.7#			
PH(FIELD)	02 JUN 82		PH		4.7#			
PH(FIELD)	02 JUN 82		PH		4.7#			
PH(FIELD)	02 JUN 82		PH		4.7#			
SPEC COND	01 JUN 82	1.	UMC	4200.		1440.	480.	3170.
SPEC COND	01 JUN 82	1.	UMC	4200.		1440.	480.	3140.
SPEC COND	01 JUN 82	1.	UMC	4190.		1450.	480.	3150.
SPEC COND	01 JUN 82	1.	UMC	4200.		1450.	480.	3140.
SPEC COND	02 JUN 82	1.	UMC		1550.			
SPEC COND	02 JUN 82	1.	UMC		1550.			
SPEC COND	02 JUN 82	1.	UMC		1550.			
SPEC COND	02 JUN 82	1.	UMC		1550.			
TOC	01 JUN 82	1.0	MGL	55.0		62.0	40.0	71.0
TOC	01 JUN 82	1.0	MGL	54.0		63.0	40.0	71.0
TOC	01 JUN 82	1.0	MGL	55.0		62.0	40.0	71.0
TOC	01 JUN 82	1.0	MGL	53.0		62.0	40.0	71.0
TOC	02 JUN 82	1.0	MGL		24.0			
TOC	02 JUN 82	1.0	MGL		24.0			
TOC	02 JUN 82	1.0	MGL		24.0			
TOC	02 JUN 82	1.0	MGL		24.0			
TOX	01 JUN 82	.010	MGL	.260 C		.110 C	ND	.024 C
TOX	01 JUN 82	.010	MGL	.260 C		.140 C	ND	.022 C
TOX	01 JUN 82	.010	MGL	.270 C		.120 C	ND	.023 C
TOX	01 JUN 82	.010	MGL	.280 C		.120 C	ND	.015 C
TOX	02 JUN 82	.010	MGL		.160 C			
TOX	02 JUN 82	.010	MGL		.150 C			
TOX	02 JUN 82	.010	MGL		.150 C			
TOX	02 JUN 82	.010	MGL		.140 C			

RUN DATE: 08 NOV 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 35 - NORTH OXID POND

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

A VALUES SHOWN ARE FOR WATER LEVEL ELEVATION ABOVE A REFERENCE DATUM
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD
# VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER REGULATION CRITERIA

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 36 - SLUDGE LAGOONS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 125	120	121	122	124
WATER LEVELS (A)	14 JUN 82		FT	201.4	200.7	201.5	214.1	200.7
ARSENIC	14 JUN 82	.010	MGL	ND	ND	ND	ND	ND
BARIUM	14 JUN 82	.1	MGL	ND	ND	ND	ND	ND
CADMIUM	14 JUN 82	.005	MGL	ND	ND	ND	ND	ND
CHROMIUM	14 JUN 82	.010	MGL	ND	ND	ND	ND	ND
FLUORIDE	14 JUN 82	.10	MGL	ND	.14	.16	.13	.10
LEAD	14 JUN 82	.010	MGL	ND	ND	ND	ND	ND
MERCURY	14 JUN 82	.2	UGL	ND	ND	ND	ND	ND
NO2+NO3 AS N	14 JUN 82	.05	MGL	48.00*	.09	.06	.38	.08
SELENIUM	14 JUN 82	.005	MGL	ND	ND	ND	ND	ND
SILVER	14 JUN 82	.01	MGL	ND	ND	ND	ND	ND
ENDRIN	14 JUN 82	.04	UGL	ND	ND	ND	ND	ND
LINDANE	14 JUN 82	.08	UGL	ND	ND	ND	ND	ND
TOXAPHENE	14 JUN 82	1.6	UGL	ND	ND	ND	ND	ND
METHOXYCHLOR	14 JUN 82	1.6	UGL	ND	ND	ND	ND	ND
2,4-D	14 JUN 82	3.8	UGL	ND	ND	ND	ND	ND
SILVEX	14 JUN 82	.5	UGL	ND	ND	ND	ND	ND
GROSS ALPHA	14 JUN 82	2.26	PCL	1.36	ND	3.05	1.83	ND
GROSS BETA	14 JUN 82	1.30	PCL	1.88	3.72	4.14	2.05	1.92
CHLORIDE	14 JUN 82	1.0	MGL	14.0	79.0	16.0	41.0	12.0
IRON	14 JUN 82	.03	MGL	1.45#	.44#	.16	.03	.78#
MANGANESE	14 JUN 82	.01	MGL	.47#	.32#	.12#	1.00#	.12#
PHENOL	14 JUN 82	.01	MGL	.02	.09	.05	ND	.01
SODIUM	14 JUN 82	1.	MGL	24.	45.	30.	50.	18.
SULFATE	14 JUN 82	5.0	MGL	ND	ND	5.0	19.0	ND
PH(FIELD)	14 JUN 82		PH	5.9#	6.3#	6.5	5.3#	5.8#
PH(FIELD)	14 JUN 82		PH	5.9#	6.3#	6.5	5.3#	5.8#
PH(FIELD)	14 JUN 82		PH	5.9#	6.3#	6.5	5.3#	5.8#
PH(FIELD)	14 JUN 82		PH	5.9#	6.3#	6.5	5.3#	5.8#
SPEC COND	14 JUN 82	1.	UMC	220.	520.	440.	380.	170.
SPEC COND	14 JUN 82	1.	UMC	220.	530.	425.	380.	165.
SPEC COND	14 JUN 82	1.	UMC	220.	530.	420.	390.	160.
SPEC COND	14 JUN 82	1.	UMC	220.	540.	430.	385.	165.
TOC	14 JUN 82	1.0	MGL	19.0	27.0	31.0	59.0	23.0
TOC	14 JUN 82	1.0	MGL	19.0	28.0	29.0	60.0	23.0
TOC	14 JUN 82	1.0	MGL	18.0	28.0	30.0	59.0	23.0
TOC	14 JUN 82	1.0	MGL	19.0	27.0	31.0	59.0	23.0
TOX	14 JUN 82	.010	MGL	.052 C	.045 C	.034 C	.170 C	.037 C
TOX	14 JUN 82	.010	MGL	.043 C	.033 C	ND	.170 C	.022 C
TOX	14 JUN 82	.010	MGL	.031 C	.020 C	.040 C	.150 C	.035 C
TOX	14 JUN 82	.010	MGL	.042 C	.046 C	.034 C	.180 C	.033 C

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 36 - SLUDGE LAGOONS

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

A VALUES SHOWN ARE FOR WATER LEVEL ELEVATION ABOVE A REFERENCE DATUM
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD
# VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER REGULATION CRITERIA

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

RUN DATE: 08 NOV 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7A - OLD TSY

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B WES62	B WES80	WES28	WES65	WES81	130	131
WATER										
LEVELS (A)	01 JUN 82		FT			229.0				
LEVELS (A)	02 JUN 82		FT	248.9	243.3		230.3	243.0	241.3	226.9
ARSENIC	02 JUN 82	.010	MGL	ND	ND	ND	ND			
ARSENIC	03 JUN 82	.010	MGL						ND	ND
BARIUM	02 JUN 82	.1	MGL	.3	ND	ND	ND			
BARIUM	03 JUN 82	.1	MGL						ND	ND
CADMIUM	02 JUN 82	.005	MGL	ND	ND	ND	.017*			
CADMIUM	03 JUN 82	.005	MGL						ND	ND
CHROMIUM	02 JUN 82	.010	MGL	.050	ND	ND	ND			
CHROMIUM	03 JUN 82	.010	MGL						.040	.030
FLUORIDE	02 JUN 82	.10	MGL	1.00	.24	.10	.35			
FLUORIDE	03 JUN 82	.10	MGL					.20	.14	.35
LEAD	02 JUN 82	.010	MGL	ND	.023	ND	.050			
LEAD	03 JUN 82	.010	MGL						ND	.025
MERCURY	02 JUN 82	.2	UGL	1.9	.3	ND	.3			
MERCURY	03 JUN 82	.2	UGL					ND	ND	ND
NO2+NO3 AS N	02 JUN 82	.05	MGL	47.00*	2.00	.05	.14			
NO2+NO3 AS N	03 JUN 82	.05	MGL					ND	.11	89.00*
SELENIUM	02 JUN 82	.005	MGL	ND	.043*	ND	ND			
SELENIUM	03 JUN 82	.005	MGL						ND	ND
SILVER	02 JUN 82	.01	MGL	ND	ND	ND	.04			
SILVER	03 JUN 82	.01	MGL						ND	ND
ENDRIN	02 JUN 82	.04	UGL	ND	ND	ND	ND			
ENDRIN	03 JUN 82	.04	UGL					ND	ND	ND
LINDANE	02 JUN 82	.08	UGL	ND	ND	ND	ND			
LINDANE	03 JUN 82	.08	UGL					ND	ND	ND
TOXAPHENE	02 JUN 82	1.6	UGL	ND	ND	ND	ND			
TOXAPHENE	03 JUN 82	1.6	UGL					ND	ND	ND
METHOXYCHLOR	02 JUN 82	1.6	UGL	ND	ND	ND	ND			
METHOXYCHLOR	03 JUN 82	1.6	UGL					ND	ND	ND
2,4-D	02 JUN 82	3.8	UGL	ND	ND	ND	ND			
2,4-D	03 JUN 82	3.8	UGL					ND	ND	4.0 C
SILVEX	02 JUN 82	.5	UGL	ND	ND	ND	ND			
SILVEX	03 JUN 82	.5	UGL					ND	ND	ND
GROSS ALPHA	02 JUN 82	23.00	PCL	<10.10	<11.90	<7.34	<23.00			
GROSS ALPHA	03 JUN 82	10.20	PCL						<10.20	<8.93
GROSS ALPHA	23 JUN 82	2.09	PCL					ND		
RADIUM-226	02 JUN 82	.24	PCL	.17	ND					
RADIUM-226	03 JUN 82	.19	PCL						.18	ND
RADIUM-226	09 JUN 82	.05	PCL			.28				

RUN DATE: 08 NOV 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7A - OLD TSY

SAMPLING SITES RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	B WES62	B WES80	WES28	WES65	WES81	130	131
GROSS BETA	02 JUN 82	1.30	PCL	3.54	6.78	7.32	9.84			
GROSS BETA	03 JUN 82	1.30	PCL						6.00	5.66
GROSS BETA	23 JUN 82	1.61	PCL					ND		
STRONTIUM-90	02 JUN 82	1.0	PCL			ND	ND			
URANIUM	02 JUN 82		PCL				1.			
CHLORIDE	02 JUN 82	1.0	MGL	400.0#	340.0#	330.0#	1720.0#			
CHLORIDE	03 JUN 82	1.0	MGL					25.0	420.0#	560.0#
IRON	02 JUN 82	.03	MGL	1.84#	ND	.21	.29			
IRON	03 JUN 82	.03	MGL						10.00#	.21
MANGANESE	02 JUN 82	.01	MGL	.95#	1.45#	.40#	1.34#			
MANGANESE	03 JUN 82	.01	MGL						2.80#	.76#
PHENOL	02 JUN 82	.01	MGL	.03	.02	.01	.02			
PHENOL	03 JUN 82	.01	MGL					.04	.03	.01
SODIUM	02 JUN 82	1.	MGL	396.	420.	232.	960.			
SODIUM	03 JUN 82	1.	MGL						324.	374.
SULFATE	02 JUN 82	5.0	MGL	910.0#	1370.0#	310.0#	850.0#			
SULFATE	03 JUN 82	5.0	MGL					110.0	790.0#	280.0#
PH(FIELD)	02 JUN 82		PH	5.0#	5.7#	4.7#	4.8#			
PH(FIELD)	02 JUN 82		PH	5.0#	5.7#	4.7#	4.8#			
PH(FIELD)	02 JUN 82		PH	5.0#	5.7#	4.7#	4.8#			
PH(FIELD)	02 JUN 82		PH	5.0#	5.7#	4.7#	4.8#			
PH(FIELD)	03 JUN 82		PH					5.2#	6.3#	5.5#
PH(FIELD)	03 JUN 82		PH					5.2#	6.3#	5.5#
PH(FIELD)	03 JUN 82		PH					5.2#	6.3#	5.5#
PH(FIELD)	03 JUN 82		PH					5.2#	6.3#	5.5#
SPEC COND	02 JUN 82	1.	UMC	2980.	3640.	1550.	5990.			
SPEC COND	02 JUN 82	1.	UMC	2970.	3680.	1550.	6000.			
SPEC COND	02 JUN 82	1.	UMC	2950.	3680.	1550.	6000.			
SPEC COND	02 JUN 82	1.	UMC	2960.	3650.	1550.	5990.			
SPEC COND	03 JUN 82	1.	UMC					409.	2840.	2850.
SPEC COND	03 JUN 82	1.	UMC					410.	2850.	2850.
SPEC COND	03 JUN 82	1.	UMC					409.	2300.	2850.
SPEC COND	03 JUN 82	1.	UMC					409.	2810.	2870.
TOC	02 JUN 82	1.0	MGL	60.0	37.0	24.0	48.0			
TOC	02 JUN 82	1.0	MGL	61.0	36.0	24.0	48.0			
TOC	02 JUN 82	1.0	MGL	60.0	37.0	24.0	47.0			
TOC	02 JUN 82	1.0	MGL	60.0	40.0	24.0	48.0			
TOC	03 JUN 82	1.0	MGL					22.0	54.0	35.0
TOC	03 JUN 82	1.0	MGL					23.0	54.0	36.0
TOC	03 JUN 82	1.0	MGL					25.0	56.0	36.0
TOC	03 JUN 82	1.0	MGL					23.0	56.0	34.0

RUN DATE: 08 NOV 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7A - OLD TSY

SAMPLING SITES
RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	B WES62		B WES80		WES28		WES65		WES81		130		131	
TOX	02 JUN 82	.010	MGL	1.090	C	.190	C	.160	C	.640	C						
TOX	02 JUN 82	.010	MGL	1.120	C	.180	C	.150	C	.590	C						
TOX	02 JUN 82	.010	MGL	1.200	C	.180	C	.150	C	.750	C						
TOX	02 JUN 82	.010	MGL	.510	C	.190	C	.140	C	.690	C						
TOX	03 JUN 82	.010	MGL									2.330	C	.250	C	2.230	C
TOX	03 JUN 82	.010	MGL									1.250	C	.303	C	2.320	C
TOX	03 JUN 82	.010	MGL									1.730	C	.280	C	2.570	C
TOX	03 JUN 82	.010	MGL									1.850	C	.290	C	1.370	C

RUN DATE: 08 NOV 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7A - OLD TSY

SAMPLING SITES
RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	135	
WATER					
LEVELS (A)	02 JUN 82		FT	242.6	
ARSENIC	03 JUN 82	.010	MGL	8.600*	
BARIUM	03 JUN 82	.1	MGL	ND	
CADMIUM	03 JUN 82	.005	MGL	.005	
CHROMIUM	03 JUN 82	.010	MGL	ND	
FLUORIDE	03 JUN 82	.10	MGL	.39	
LEAD	03 JUN 82	.010	MGL	.020	
MERCURY	03 JUN 82	.2	UGL	.3	
NO2+NO3 AS N	03 JUN 82	.05	MGL	3.00	
SELENIUM	03 JUN 82	.005	MGL	ND	
SILVER	03 JUN 82	.01	MGL	ND	
ENDRIN	03 JUN 82	.04	UGL	ND	
LINDANE	03 JUN 82	.08	UGL	ND	
TOXAPHENE	03 JUN 82	1.6	UGL	ND	
METHOXYCHLOR	03 JUN 82	1.6	UGL	ND	
2,4-D	03 JUN 82	3.8	UGL	ND	
SILVEX	03 JUN 82	.5	UGL	ND	
GROSS ALPHA	03 JUN 82	12.90	PCL	< 12.90	
RADIUM-226	03 JUN 82	.15	PCL	ND	
GROSS BETA	03 JUN 82	1.30	PCL	4.34	
CHLORIDE	03 JUN 82	1.0	MGL	660.0#	
IRON	03 JUN 82	.03	MGL	32.00#	
MANGANESE	03 JUN 82	.01	MGL	3.90#	
PHENOL	03 JUN 82	.01	MGL	.03	
SODIUM	03 JUN 82	1.	MGL	980.	
SULFATE	03 JUN 82	5.0	MGL	1180.0#	
PH(FIELD)	03 JUN 82		PH	6.1#	
PH(FIELD)	03 JUN 82		PH	6.1#	
PH(FIELD)	03 JUN 82		PH	6.1#	
PH(FIELD)	03 JUN 82		PH	6.1#	
SPEC COND	03 JUN 82	1.	UMC	4290.	
SPEC COND	03 JUN 82	1.	UMC	4280.	
SPEC COND	03 JUN 82	1.	UMC	4290.	
SPEC COND	03 JUN 82	1.	UMC	4300.	
TOC	03 JUN 82	1.0	MGL	180.0	
TOC	03 JUN 82	1.0	MGL	185.0	
TOC	03 JUN 82	1.0	MGL	190.0	
TOC	03 JUN 82	1.0	MGL	195.0	
TOX	03 JUN 82	.010	MGL	3.960	C
TOX	03 JUN 82	.010	MGL	3.000	C
TOX	03 JUN 82	.010	MGL	3.120	C
TOX	03 JUN 82	.010	MGL	3.220	C

RUN DATE: 08 NOV 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7A - OLD TSY

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

A VALUES SHOWN ARE FOR WATER LEVEL ELEVATION ABOVE A REFERENCE DATUM
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD
# VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER REGULATION CRITERIA

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7B - LEWISITE DISPOSAL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B WES62	128	129	130
WATER							
LEVELS (A)	02 JUN 82		FT	248.9			241.3
LEVELS (A)	21 JUN 82		FT		246.5		
LEVELS (A)	29 JUN 82		FT			230.1	
ARSENIC	02 JUN 82	.010	MGL	ND			
ARSENIC	03 JUN 82	.010	MGL				ND
ARSENIC	21 JUN 82	.010	MGL		ND		
ARSENIC	29 JUN 82	.010	MGL			ND	
BARIUM	02 JUN 82	.1	MGL	.3			
BARIUM	03 JUN 82	.1	MGL				ND
BARIUM	21 JUN 82	.1	MGL		ND		
BARIUM	29 JUN 82	.1	MGL			ND	
CADMIUM	02 JUN 82	.005	MGL	ND			
CADMIUM	03 JUN 82	.005	MGL				ND
CADMIUM	21 JUN 82	.005	MGL		ND		
CADMIUM	29 JUN 82	.005	MGL			.006	
CHROMIUM	02 JUN 82	.010	MGL	.050			
CHROMIUM	03 JUN 82	.010	MGL				.040
CHROMIUM	21 JUN 82	.010	MGL		ND		
CHROMIUM	29 JUN 82	.010	MGL			ND	
FLUORIDE	02 JUN 82	.10	MGL	1.00			
FLUORIDE	03 JUN 82	.10	MGL				.14
FLUORIDE	21 JUN 82	.10	MGL		.39		
FLUORIDE	29 JUN 82	.10	MGL			.29	
LEAD	02 JUN 82	.010	MGL	ND			
LEAD	03 JUN 82	.010	MGL				ND
LEAD	21 JUN 82	.010	MGL		.010		
LEAD	29 JUN 82	.010	MGL			ND	
MERCURY	02 JUN 82	.2	UGL	1.9			
MERCURY	03 JUN 82	.2	UGL				ND
MERCURY	21 JUN 82	.2	UGL		ND		
MERCURY	29 JUN 82	.2	UGL			.2	
NO2+NO3 AS N	02 JUN 82	.05	MGL	47.00*			
NO2+NO3 AS N	03 JUN 82	.05	MGL				.11
NO2+NO3 AS N	21 JUN 82	.05	MGL		ND		
NO2+NO3 AS N	29 JUN 82	.05	MGL			16.00*	
SELENIUM	02 JUN 82	.005	MGL	ND			
SELENIUM	03 JUN 82	.005	MGL				ND
SELENIUM	21 JUN 82	.005	MGL		ND		
SELENIUM	29 JUN 82	.005	MGL			ND	
SILVER	02 JUN 82	.01	MGL	ND			

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7B - LEWISITE DISPOSAL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B WES62	128	129	130
SILVER	03 JUN 82	.01	MGL				ND
SILVER	21 JUN 82	.01	MGL		ND		
SILVER	29 JUN 82	.01	MGL			ND	
ENDRIN	02 JUN 82	.04	UGL	ND			
ENDRIN	03 JUN 82	.04	UGL				ND
ENDRIN	21 JUN 82	.04	UGL		ND		
ENDRIN	29 JUN 82	.04	UGL			ND	
LINDANE	02 JUN 82	.08	UGL	ND			
LINDANE	03 JUN 82	.08	UGL				ND
LINDANE	21 JUN 82	.08	UGL		ND		
LINDANE	29 JUN 82	.08	UGL			ND	
TOXAPHENE	02 JUN 82	1.6	UGL	ND			
TOXAPHENE	03 JUN 82	1.6	UGL				ND
TOXAPHENE	21 JUN 82	1.6	PCL		ND		
TOXAPHENE	29 JUN 82	1.6	UGL			ND	
METHOXYCHLOR	02 JUN 82	1.6	UGL	ND			
METHOXYCHLOR	03 JUN 82	1.6	UGL				ND
METHOXYCHLOR	21 JUN 82	1.6	UGL		ND		
METHOXYCHLOR	29 JUN 82	1.6	UGL			ND	
2,4-D	02 JUN 82	3.8	UGL	ND			
2,4-D	03 JUN 82	3.8	UGL				ND
2,4-D	21 JUN 82	3.8	UGL		ND		
2,4-D	29 JUN 82	3.8	UGL			ND	
SILVEX	02 JUN 82	.5	UGL	ND			
SILVEX	03 JUN 82	.5	UGL				ND
SILVEX	21 JUN 82	.5	UGL		ND		
SILVEX	29 JUN 82	.5	UGL			ND	
GROSS ALPHA	02 JUN 82	10.10	PCL	<10.10			
GROSS ALPHA	03 JUN 82	10.20	PCL				<10.20
GROSS ALPHA	21 JUN 82	1.30	PCL		19.50*		
GROSS ALPHA	29 JUN 82	14.20	PCL			<14.20	
RADIUM-226	02 JUN 82	.05	PCL	.17			
RADIUM-226	03 JUN 82	.05	PCL				.18
RADIUM-226	21 JUN 82	.13	PCL		ND		
GROSS BETA	02 JUN 82	1.30	PCL	3.54			
GROSS BETA	03 JUN 82	1.30	PCL				6.00
GROSS BETA	21 JUN 82	1.30	PCL		5.33		
GROSS BETA	29 JUN 82	1.30	PCL			3.26	
CHLORIDE	02 JUN 82	1.0	MGL	400.0#			
CHLORIDE	03 JUN 82	1.0	MGL				420.0#
CHLORIDE	21 JUN 82	1.0	MGL		630.0#		

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7B - LEWISITE DISPOSAL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B WES62	128	129	130
CHLORIDE	29 JUN 82	1.0	MGL			850.0#	
IRON	02 JUN 82	.03	MGL	1.84#			
IRON	03 JUN 82	.03	MGL				10.00#
IRON	21 JUN 82	.03	MGL		.07		
IRON	29 JUN 82	.03	MGL			28.10#	
MANGANESE	02 JUN 82	.01	MGL	.95#			
MANGANESE	03 JUN 82	.01	MGL				2.80#
MANGANESE	21 JUN 82	.01	MGL		5.30#		
MANGANESE	29 JUN 82	.01	MGL			4.00#	
PHENOL	02 JUN 82	.01	MGL	.03			
PHENOL	03 JUN 82	.01	MGL				.03
PHENOL	21 JUN 82	.01	MGL		.02		
PHENOL	29 JUN 82	.01	MGL			.16	
SODIUM	02 JUN 82	1.	MGL	396.			
SODIUM	03 JUN 82	1.	MGL				324.
SODIUM	21 JUN 82	1.	MGL		1000.		
SODIUM	29 JUN 82	1.	MGL			458.	
SULFATE	02 JUN 82	5.0	MGL	910.0#			
SULFATE	03 JUN 82	5.0	MGL				790.0#
SULFATE	21 JUN 82	5.0	MGL		1480.0#		
SULFATE	29 JUN 82	5.0	MGL			790.0#	
PH(FIELD)	02 JUN 82		PH	5.0#			
PH(FIELD)	02 JUN 82		PH	5.0#			
PH(FIELD)	02 JUN 82		PH	5.0#			
PH(FIELD)	02 JUN 82		PH	5.0#			
PH(FIELD)	03 JUN 82		PH				6.3#
PH(FIELD)	03 JUN 82		PH				6.3#
PH(FIELD)	03 JUN 82		PH				6.3#
PH(FIELD)	03 JUN 82		PH				6.3#
PH(FIELD)	21 JUN 82		PH		6.4#		
PH(FIELD)	21 JUN 82		PH		6.3#		
PH(FIELD)	21 JUN 82		PH		6.5		
PH(FIELD)	21 JUN 82		PH		6.5		
PH(FIELD)	29 JUN 82		PH			6.6	
PH(FIELD)	29 JUN 82		PH			6.6	
PH(FIELD)	29 JUN 82		PH			6.6	
PH(FIELD)	29 JUN 82		PH			6.6	
SPEC COND	02 JUN 82	1.	UMC	2950.			
SPEC COND	02 JUN 82	1.	UMC	2960.			
SPEC COND	02 JUN 82	1.	UMC	2970.			
SPEC COND	02 JUN 82	1.	UMC	2980.			

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 78 - LEWISITE DISPOSAL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B WES62	128	129	130
SPEC COND	03-JUN 82	1.	UMC				2800.
SPEC COND	03-JUN 82	1.	UMC				2840.
SPEC COND	03-JUN 82	1.	UMC				2810.
SPEC COND	03-JUN 82	1.	UMC				2850.
SPEC COND	21-JUN 82	1.	UMC		4750.		
SPEC COND	21-JUN 82	1.	UMC		4800.		
SPEC COND	21-JUN 82	1.	UMC		4750.		
SPEC COND	21-JUN 82	1.	UMC		4750.		
SPEC COND	29-JUN 82	1.	UMC			3090.	
SPEC COND	29-JUN 82	1.	UMC			3110.	
SPEC COND	29-JUN 82	1.	UMC			3100.	
SPEC COND	29-JUN 82	1.	UMC			3140.	
TOC	02-JUN 82	1.0	MGL	60.0			
TOC	02-JUN 82	1.0	MGL	60.0			
TOC	02-JUN 82	1.0	MGL	61.0			
TOC	02-JUN 82	1.0	MGL	60.0			
TOC	03-JUN 82	1.0	MGL				56.0
TOC	03-JUN 82	1.0	MGL				54.0
TOC	03-JUN 82	1.0	MGL				54.0
TOC	03-JUN 82	1.0	MGL				56.0
TOC	21-JUN 82	1.0	MGL		41.0		
TOC	21-JUN 82	1.0	MGL		41.0		
TOC	21-JUN 82	1.0	MGL		41.0		
TOC	21-JUN 82	1.0	MGL		42.0		
TOC	29-JUN 82	1.0	MGL			48.0	
TOC	29-JUN 82	1.0	MGL			47.0	
TOC	29-JUN 82	1.0	MGL			47.0	
TOC	29-JUN 82	1.0	MGL			48.0	
TOX	02-JUN 82	.010	MGL	.510 C			
TOX	02-JUN 82	.010	MGL	1.090 C			
TOX	02-JUN 82	.010	MGL	1.200 C			
TOX	02-JUN 82	.010	MGL	1.120 C			
TOX	03-JUN 82	.010	MGL				.303 C
TOX	03-JUN 82	.010	MGL				.290 C
TOX	03-JUN 82	.010	MGL				.250 C
TOX	03-JUN 82	.010	MGL				.280 C
TOX	21-JUN 82	.010	MGL		.120 C		
TOX	21-JUN 82	.010	MGL		.130 C		
TOX	21-JUN 82	.010	MGL		.160 C		
TOX	21-JUN 82	.010	MGL		.180 C		
TOX	29-JUN 82	.010	MGL			.102 C	
TOX	29-JUN 82	.010	MGL			.100 C	
TOX	29-JUN 82	.010	MGL			.160 C	
TOX	29-JUN 82	.010	MGL			.098 C	

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7B - LEWISITE DISPOSAL

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

A VALUES SHOWN ARE FOR WATER LEVEL ELEVATION ABOVE A REFERENCE DATUM
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD
# VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER REGULATION CRITERIA

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7C - MUSTARD BURN YARD

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 135	132	133	134
WATER							
LEVELS (A)	02 JUN 82		FT	242.6			
LEVELS (A)	29 JUN 82		FT		232.0	243.1	229.4
ARSENIC	03 JUN 82	.010	MGL	8.600*			
ARSENIC	29 JUN 82	.010	MGL		ND	.083*	ND
BARIUM	03 JUN 82	.1	MGL	ND			
BARIUM	29 JUN 82	.1	MGL		ND	.7	ND
CADMIUM	03 JUN 82	.005	MGL	.005			
CADMIUM	29 JUN 82	.005	MGL		.005	.007	ND
CHROMIUM	03 JUN 82	.010	MGL	ND			
CHROMIUM	29 JUN 82	.010	MGL		ND	ND	ND
FLUORIDE	03 JUN 82	.10	MGL	.39			
FLUORIDE	29 JUN 82	.10	MGL		.35	.22	3.00*
LEAD	03 JUN 82	.010	MGL	.020			
LEAD	29 JUN 82	.010	MGL		ND	.030	ND
MERCURY	03 JUN 82	.2	UGL	.3			
MERCURY	29 JUN 82	.2	UGL		ND	ND	ND
NO2+NO3 AS N	03 JUN 82	.05	MGL	3.00			
NO2+NO3 AS N	29 JUN 82	.05	MGL		ND	ND	ND
SELENIUM	03 JUN 82	.005	MGL	ND			
SELENIUM	29 JUN 82	.005	MGL		.040*	ND	ND
SILVER	03 JUN 82	.01	MGL	ND			
SILVER	29 JUN 82	.01	MGL		ND	ND	ND
ENDRIN	03 JUN 82	.04	UGL	ND			
ENDRIN	29 JUN 82	.04	UGL		ND	ND	ND
LINDANE	03 JUN 82	.08	UGL	ND			
LINDANE	29 JUN 82	.08	UGL		ND	ND	ND
TOXAPHENE	03 JUN 82	1.6	UGL	ND			
TOXAPHENE	29 JUN 82	1.6	UGL		ND	ND	ND
METHOXYCHLOR	03 JUN 82	1.6	UGL	ND			
METHOXYCHLOR	29 JUN 82	1.6	UGL		ND	ND	ND
2,4-D	03 JUN 82	3.8	UGL	ND			
2,4-D	29 JUN 82	3.8	UGL		ND	ND	ND
SILVEX	03 JUN 82	.5	UGL	ND			
SILVEX	29 JUN 82	.5	UGL		ND	ND	ND
GROSS ALPHA	03 JUN 82	12.90	PCL	<12.90			
GROSS ALPHA	29 JUN 82	1.30	PCL		29.00*	55.40*	30.40*
RADIUM-226	03 JUN 82	.15	PCL	ND			
GROSS BETA	03 JUN 82	1.30	PCL	4.34			
GROSS BETA	29 JUN 82	1.30	PCL		5.16	12.70	5.53
STRONTIUM-90	29 JUN 82	.748	PCL			ND	

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7C - MUSTARD BURN YARD

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	B 135	SAMPLING SITES RESULTS 132	133	134
URANIUM	29 JUN 82		PCL		2.	1.	1.
CHLORIDE	03 JUN 82	1.0	MGL	660.0#			
CHLORIDE	29 JUN 82	1.0	MGL		620.0#	1220.0#	420.0#
IRON	03 JUN 82	.03	MGL	32.00#			
IRON	29 JUN 82	.03	MGL		39.10#	6.50#	23.00#
MANGANESE	03 JUN 82	.01	MGL	3.90#			
MANGANESE	29 JUN 82	.01	MGL		5.30#	3.80#	3.30#
PHENOL	03 JUN 82	.01	MGL	.03			
PHENOL	29 JUN 82	.01	MGL		.10	.06	ND
SODIUM	03 JUN 82	1.	MGL	980.			
SODIUM	29 JUN 82	1.	MGL		924.	886.	456.
SULFATE	03 JUN 82	5.0	MGL	1180.0#			
SULFATE	29 JUN 82	5.0	MGL		1770.0#	1380.0#	1620.0#
PH(FIELD)	03 JUN 82		PH	6.1#			
PH(FIELD)	03 JUN 82		PH	6.1#			
PH(FIELD)	03 JUN 82		PH	6.1#			
PH(FIELD)	03 JUN 82		PH	6.1#			
PH(FIELD)	29 JUN 82		PH		6.4#	5.6#	3.2#
PH(FIELD)	29 JUN 82		PH		6.4#	5.6#	3.2#
PH(FIELD)	29 JUN 82		PH		6.4#	5.6#	3.2#
PH(FIELD)	29 JUN 82		PH		6.4#	5.6#	3.2#
SPEC COND	03 JUN 82	1.	UMC	4290.			
SPEC COND	03 JUN 82	1.	UMC	4300.			
SPEC COND	03 JUN 82	1.	UMC	4290.			
SPEC COND	03 JUN 82	1.	UMC	4280.			
SPEC COND	29 JUN 82	1.	UMC		5090.	5800.	4200.
SPEC COND	29 JUN 82	1.	UMC		5090.	5800.	4200.
SPEC COND	29 JUN 82	1.	UMC		5090.	5800.	4200.
SPEC COND	29 JUN 82	1.	UMC		5090.	5790.	4200.
TOC	03 JUN 82	1.0	MGL	185.0			
TOC	03 JUN 82	1.0	MGL	190.0			
TOC	03 JUN 82	1.0	MGL	180.0			
TOC	03 JUN 82	1.0	MGL	195.0			
TOC	29 JUN 82	1.0	MGL		85.0	162.0	45.0
TOC	29 JUN 82	1.0	MGL		86.0	159.0	44.0
TOC	29 JUN 82	1.0	MGL		85.0	160.0	45.0
TOC	29 JUN 82	1.0	MGL		86.0	160.0	44.0
TOX	03 JUN 82	.010	MGL	3.220 C			
TOX	03 JUN 82	.010	MGL	3.960 C			
TOX	03 JUN 82	.010	MGL	3.120 C			
TOX	03 JUN 82	.010	MGL	3.000 C			

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7C - MUSTARD BURN YARD

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	B 135	SAMPLING SITES RESULTS 132		133		134	
TOX	29 JUN 82	.010	MGL		1.050	C	1.140	C	.170	C
TOX	29 JUN 82	.010	MGL		1.090	C	1.040	C	.160	C
TOX	29 JUN 82	.010	MGL		1.220	C	1.530	C	.220	C
TOX	29 JUN 82	.010	MGL		.670	C	1.120	C	.230	C

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7C - MUSTARD BURN YARD

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

A VALUES SHOWN ARE FOR WATER LEVEL ELEVATION ABOVE A REFERENCE DATUM
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD
# VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER REGULATION CRITERIA

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7D - TSY BORROW PITS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 130	131	134	WES64
WATER							
LEVELS (A)	02 JUN 82		FT	241.3	226.9		
LEVELS (A)	29 JUN 82		FT			229.4	229.8
ARSENIC	03 JUN 82	.010	MGL	ND	ND		
ARSENIC	29 JUN 82	.010	MGL			ND	
ARSENIC	30 JUN 82	.010	MGL				ND
BARIUM	03 JUN 82	.1	MGL	ND	ND		
BARIUM	29 JUN 82	.1	MGL			ND	
BARIUM	30 JUN 82	.1	MGL				ND
CADMIUM	03 JUN 82	.005	MGL	ND	ND		
CADMIUM	30 JUN 82	.005	MGL				ND
CHROMIUM	03 JUN 82	.010	MGL	.040	.030		
CHROMIUM	29 JUN 82	.010	MGL			ND	
CHROMIUM	30 JUN 82	.010	MGL				ND
FLUORIDE	03 JUN 82	.10	MGL	.14	.35		
FLUORIDE	29 JUN 82	.10	MGL			3.00+	
FLUORIDE	30 JUN 82	.10	MGL				.18
LEAD	03 JUN 82	.010	MGL	ND	.025		
LEAD	29 JUN 82	.010	MGL			ND	
LEAD	30 JUN 82	.010	MGL				ND
MERCURY	03 JUN 82	.2	UGL	ND	ND		
MERCURY	29 JUN 82	.2	UGL			ND	
MERCURY	30 JUN 82	.2	UGL				.2
NO2+NO3 AS N	03 JUN 82	.05	MGL	.11	89.00+		
NO2+NO3 AS N	29 JUN 82	.05	MGL			ND	
NO2+NO3 AS N	30 JUN 82	.05	MGL				ND
SELENIUM	03 JUN 82	.005	MGL	ND	ND		
SELENIUM	29 JUN 82	.005	MGL			ND	
SELENIUM	30 JUN 82	.005	MGL				ND
SILVER	03 JUN 82	.01	MGL	ND	ND		
SILVER	29 JUN 82	.01	MGL			ND	
SILVER	30 JUN 82	.01	MGL				ND
ENDRIN	03 JUN 82	.04	UGL	ND	ND		
ENDRIN	29 JUN 82	.04	UGL			ND	
ENDRIN	30 JUN 82	.04	UGL				ND
LINDANE	03 JUN 82	.08	UGL	ND	ND		
LINDANE	29 JUN 82	.08	UGL			ND	
LINDANE	30 JUN 82	.08	UGL				ND
TOXAPHENE	03 JUN 82	1.6	UGL	ND	ND		
TOXAPHENE	29 JUN 82	1.6	UGL			ND	
TOXAPHENE	30 JUN 82	1.6	UGL				ND
CADMIUM	29 JUN 82	.005	MGL			ND	

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7D - TSY BORROW PITS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 130	131	134	WES64
METHOXYCHLOR	03 JUN 82	1.6	UGL	ND	ND		
METHOXYCHLOR	29 JUN 82	1.6	UGL			ND	
METHOXYCHLOR	30 JUN 82	1.6	UGL				ND
2,4-D	03 JUN 82	3.8	UGL	ND	4.0 C		
2,4-D	29 JUN 82	3.8	UGL			ND	
2,4-D	30 JUN 82	3.8	UGL				ND
SILVEX	03 JUN 82	.5	UGL	ND	ND		
SILVEX	29 JUN 82	.5	UGL			ND	
SILVEX	30 JUN 82	.5	UGL				ND
GROSS ALPHA	03 JUN 82	10.20	PCL	<10.20	<8.93		
GROSS ALPHA	29 JUN 82	1.30	PCL			30.40*	
GROSS ALPHA	30 JUN 82	7.09	PCL				<7.09
RADIUM-226	03 JUN 82	.19	PCL	.18	ND		
GROSS BETA	03 JUN 82	1.30	PCL	6.00	5.66		
GROSS BETA	29 JUN 82	1.30	PCL			5.53	
URANIUM	29 JUN 82		PCL			1.	
CHLORIDE	03 JUN 82	1.0	MGL	420.0#	560.0#		
CHLORIDE	29 JUN 82	1.0	MGL			420.0#	
CHLORIDE	30 JUN 82	1.0	MGL				370.0#
IRON	03 JUN 82	.03	MGL	10.00#	.21		
IRON	29 JUN 82	.03	MGL			23.00#	
IRON	30 JUN 82	.03	MGL				.23
MANGANESE	03 JUN 82	.01	MGL	2.80#	.76#		
MANGANESE	29 JUN 82	.01	MGL			3.30#	
MANGANESE	30 JUN 82	.01	MGL				.48#
PHENOL	03 JUN 82	.01	MGL	.03	.01		
PHENOL	29 JUN 82	.01	MGL			ND	
PHENOL	30 JUN 82	.01	MGL				.02
SODIUM	03 JUN 82	1.	MGL	324.	374.		
SODIUM	29 JUN 82	1.	MGL			456.	
SODIUM	30 JUN 82	1.	MGL				274.
SULFATE	03 JUN 82	5.0	MGL	790.0#	280.0#		
SULFATE	29 JUN 82	5.0	MGL			1620.0#	
SULFATE	30 JUN 82	5.0	MGL				220.0
PH(FIELD)	03 JUN 82		PH	6.3#	5.5#		
PH(FIELD)	03 JUN 82		PH	6.3#	5.5#		
PH(FIELD)	03 JUN 82		PH	6.3#	5.5#		
PH(FIELD)	03 JUN 82		PH	6.3#	5.5#		
PH(FIELD)	29 JUN 82		PH			3.2#	
PH(FIELD)	29 JUN 82		PH			3.2#	
PH(FIELD)	29 JUN 82		PH			3.2#	

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7D - TSY BORROW PITS

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

A VALUES SHOWN ARE FOR WATER LEVEL ELEVATION ABOVE A REFERENCE DATUM
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD
# VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER REGULATION CRITERIA

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 20A - BURN/DEMO/STOR

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 120	B 121	B 123	161	162	163	164
GROSS ALPHA	02 FEB 82	3.15	PCL	ND	ND	ND				
GROSS ALPHA	03 FEB 82	5.17	PCL				<4.20	<5.17	<4.77	<4.48
GROSS ALPHA	10 FEB 82	2.74	PCL	ND	ND					
GROSS ALPHA	26 APR 82	2.85	PCL	ND	ND					
GROSS ALPHA	03 MAY 82	4.02	PCL	ND	ND	ND				
GROSS ALPHA	04 MAY 82	13.50	PCL				<9.67	<13.30	<13.50	<11.10
GROSS ALPHA	14 JUN 82	2.26	PCL	ND	3.05					
GROSS ALPHA	15 JUN 82	7.80	PCL			2.46	9.55	5.61	< 7.80	8.41
RADIUM-226	04 MAY 82	.05	PCL						.97	.52
RADIUM-226	15 JUN 82	.05	PCL					.32	.24	.21
GROSS BETA	02 FEB 82	1.30	PCL	16.00	63.10*	2.86				
GROSS BETA	03 FEB 82	1.30	PCL				13.10	6.79	5.56	4.26
GROSS BETA	10 FEB 82	1.30	PCL	14.20	59.20*					
GROSS BETA	26 APR 82	1.30	PCL	7.34	18.00					
GROSS BETA	03 MAY 82	1.30	PCL	11.10	10.60	3.59				
GROSS BETA	04 MAY 82	1.63	PCL				12.60	8.90	5.08	ND
GROSS BETA	14 JUN 82	1.30	PCL	3.72	4.14					
GROSS BETA	15 JUN 82	1.30	PCL			3.03	11.40	8.06	7.15	2.79
STRONTIUM-90	03 MAY 82	.4	PCL	ND						

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 20A - BURN/DEMO/STOR

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 23A - HC TEST POND

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 147	146	148	149
GROSS ALPHA	08 DEC 81	1.30	PCL	ND	39.50*	6.56	48.60*
GROSS ALPHA	25 JAN 82	1.30	PCL		34.30*		3.07
GROSS ALPHA	09 MAR 82	10.10	PCL	<1.67	<2.20	<10.10	48.90*
GROSS ALPHA	07 JUL 82	14.50	PCL	<2.90	<4.05	<14.50	13.60
RADIUM-226	25 JAN 82	.05	PCL		7.53*		
RADIUM-226	09 MAR 82	.05	PCL			.83	
RADIUM-228	25 JAN 82	.75	PCL		11.30*		
GROSS BETA	08 DEC 81	1.30	PCL	1.79	15.70	5.76	49.30
GROSS BETA	25 JAN 82	1.30	PCL		48.20		1.64
GROSS BETA	09 MAR 82	1.30	PCL	1.59	2.69	4.35	53.80*
GROSS BETA	07 JUL 82	2.61	PCL	ND	ND	2.13	47.80
STRONTIUM-90	25 JAN 82	1.0	PCL		1.1		
STRONTIUM-90	07 JUL 82	1.0	PCL				1.3
URANIUM	25 JAN 82		PCL		ND		

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 23A - HC TEST POND

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 36 - SLUDGE LAGOONS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 125	120	121	122	124
GROSS ALPHA	02 FEB 82	3.15	PCL		ND	ND		
GROSS ALPHA	10 FEB 82	2.74	PCL	ND	ND	ND	ND	ND
GROSS ALPHA	26 APR 82	2.85	PCL	ND	ND	ND	ND	ND
GROSS ALPHA	03 MAY 82	4.02	PCL		ND	ND		
GROSS ALPHA	14 JUN 82	2.26	PCL	1.36	ND	3.05	1.83	ND
GROSS BETA	02 FEB 82	1.30	PCL		16.00	63.10*		
GROSS BETA	10 FEB 82	1.30	PCL	1.91	14.20	59.20*	1.48	1.91
GROSS BETA	26 APR 82	1.30	PCL	3.49	7.34	18.00	1.23	ND
GROSS BETA	03 MAY 82	1.30	PCL		11.10	10.60		
GROSS BETA	14 JUN 82	1.30	PCL	1.88	3.72	4.14	2.05	1.92
STRONTIUM-90	03 MAY 82	.4	PCL		ND			

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 36 - SLUDGE LAGOONS

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7A - OLD TSY

SAMPLING SITES RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	B WES62	B WES80	WES28	WES65	WES81	130	131
GROSS ALPHA	14 DEC 81	11.40	PCL	<11.4					<8.75	
GROSS ALPHA	15 DEC 81	1.30	PCL			8.88				
GROSS ALPHA	26 JAN 82	8.95	PCL	<7.53	<8.95	5.07	13.00	1.94	<6.14	
GROSS ALPHA	27 JAN 82	10.40	PCL							<10.40
GROSS ALPHA	09 FEB 82	6.91	PCL	<6.91	12.60					
GROSS ALPHA	17 FEB 82	12.40	PCL						<10.2	<12.4
GROSS ALPHA	23 MAR 82	14.60	PCL	<11.7	<14.6	<7.03	19.70+			
GROSS ALPHA	30 MAR 82	4.24	PCL			5.68		2.69	ND	11.20
GROSS ALPHA	06 APR 82	5.45	PCL	6.55	<5.45					
GROSS ALPHA	12 APR 82	6.38	PCL	<6.38					5.77	
GROSS ALPHA	21 APR 82	11.50	PCL						<8.43	<11.50
GROSS ALPHA	02 JUN 82	11.90	PCL	<10.10	<11.90					
GROSS ALPHA	03 JUN 82	10.20	PCL						<10.20	<8.93
GROSS ALPHA	08 JUN 82	23.00	PCL			<7.34	<23.00			
GROSS ALPHA	23 JUN 82	2.09	PCL					ND		.63
RADIUM-226	28 JAN 82	.05	PCL		.26				1.06	.63
RADIUM-226	17 FEB 82	.05	PCL	[illegible]					1.06	1.29
RADIUM-226	23 MAR 82	.05	PCL		.26					
RADIUM-226	06 APR 82	.05	PCL	.80						
RADIUM-226	12 APR 82	.05	PCL	.22					.59	
RADIUM-226	02 JUN 82	.24	PCL	.17	ND					
RADIUM-226	03 JUN 82	.19	PCL						.19	ND
RADIUM-226	09 JUN 82	.05	PCL			.28				
GROSS BETA	14 DEC 81	1.30	PCL	1.77					7.48	
GROSS BETA	15 DEC 81	1.30	PCL			14.60				
GROSS BETA	26 JAN 82	1.99	PCL	ND	4.47	10.30	13.10	ND	4.92	
GROSS BETA	27 JAN 82	1.30	PCL							3.13
GROSS BETA	09 FEB 82	1.30	PCL	1.42	6.94					
GROSS BETA	17 FEB 82	1.30	PCL						5.28	4.80
GROSS BETA	23 MAR 82	1.30	PCL	1.95	6.19	8.19	13.50			
GROSS BETA	30 MAR 82	1.30	PCL			9.78		3.75	4.59	11.80
GROSS BETA	06 APR 82	2.96	PCL	ND	9.12					
GROSS BETA	12 APR 82	1.30	PCL	2.10					6.88	
GROSS BETA	21 APR 82	1.30	PCL						6.11	7.13
GROSS BETA	02 JUN 82	1.30	PCL	3.54	6.76					
GROSS BETA	03 JUN 82	1.30	PCL						6.00	5.66
GROSS BETA	08 JUN 82	1.30	PCL			7.32	9.84			
GROSS BETA	23 JUN 82	1.61	PCL					ND		
STRONTIUM-90	08 JUN 82	1.0	PCL			ND	ND			
URANIUM	08 JUN 82	0.	PCL				1.			

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7A - OLD TSY

SAMPLING SITES
RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	135
GROSS ALPHA	27 JAN 82	14.10	PCL	ND
GROSS ALPHA	28 JAN 82	14.30	PCL	ND
GROSS ALPHA	17 FEB 82	1.30	PCL	11.60
GROSS ALPHA	30 MAR 82	1.30	PCL	20.90*
GROSS ALPHA	30 MAR 82	1.30	PCL	17.70*
GROSS ALPHA	13 APR 82	1.30	PCL	29.20*
GROSS ALPHA	03 JUN 82	12.90	PCL	ND
RADIUM-226	22 MAR 82	.05	PCL	.56
RADIUM-226	13 APR 82	.05	PCL	.73
RADIUM-226	03 JUN 82	.15	PCL	ND
GROSS BETA	27 JAN 82	1.30	PCL	5.16
GROSS BETA	28 JAN 82	1.30	PCL	6.83
GROSS BETA	17 FEB 82	1.30	PCL	4.64
GROSS BETA	30 MAR 82	1.30	PCL	11.20
GROSS BETA	13 APR 82	1.30	PCL	14.50
GROSS BETA	03 JUN 82	1.30	PCL	4.34
STRONTIUM-90	13 APR 82	1.0	PCL	ND
URANIUM	13 APR 82	0.	PCL	10.

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7A - OLD TSY

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7B - LEWISITE DISPOSAL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B WES62	128	129	130
GROSS ALPHA	14 DEC 81	11.40	PCL	<11.40	66.90	<5.61	<9.75
GROSS ALPHA	19 JAN 82	12.40	PCL		<12.40		
GROSS ALPHA	26 JAN 82	7.53	PCL	<7.53			<6.14
GROSS ALPHA	09 FEB 82	6.91	PCL	<6.91			
GROSS ALPHA	17 FEB 82	10.20	PCL				<10.20
GROSS ALPHA	23 MAR 82	11.70	PCL	<11.70			
GROSS ALPHA	30 MAR 82	4.24	PCL				ND
GROSS ALPHA	06 APR 82	1.30	PCL	6.55			
GROSS ALPHA	12 APR 82	6.38	PCL	<6.38	13.40	18.80	5.77
GROSS ALPHA	20 APR 82	13.60	PCL		<13.60		
GROSS ALPHA	21 APR 82	8.43	PCL				<8.43
GROSS ALPHA	02 JUN 82	10.10	PCL	<10.10			
GROSS ALPHA	03 JUN 82	10.20	PCL				<10.20
GROSS ALPHA	21 JUN 82	1.30	PCL		19.50		
GROSS ALPHA	29 JUN 82	14.20	PCL		19.50	<14.20	
RADIUM-226	17 FEB 82	.05	PCL				1.06
RADIUM-226	06 APR 82	.05	PCL	.80			
RADIUM-226	12 APR 82	.05	PCL	.22	.61	.40	.59
RADIUM-226	26 APR 82	.05	PCL		.20		
RADIUM-226	02 JUN 82	.05	PCL	.17			[illegible]
RADIUM-226	03 JUN 82	.05	PCL				.18
RADIUM-226	21 JUN 82	.13	PCL		ND	.40	.59
GROSS BETA	14 DEC 81	1.30	PCL	1.77	21.40	4.22	7.48
GROSS BETA	19 JAN 82	1.30	PCL	[illegible]	8.57		
GROSS BETA	26 JAN 82	1.99	PCL	ND			4.92
GROSS BETA	09 FEB 82	1.30	PCL	1.42			
GROSS BETA	17 FEB 82	1.30	PCL				5.28
GROSS BETA	23 MAR 82	1.30	PCL	1.95			
GROSS BETA	30 MAR 82	1.30	PCL				4.59
GROSS BETA	06 APR 82	2.96	PCL	ND			
GROSS BETA	12 APR 82	1.30	PCL	2.10	5.43	5.79	6.88
GROSS BETA	21 APR 82	1.30	PCL				6.11
GROSS BETA	02 JUN 82	1.30	PCL	3.54			
GROSS BETA	03 JUN 82	1.30	PCL				6.00
GROSS BETA	21 JUN 82	1.30	PCL		5.33		
GROSS BETA	29 JUN 82	1.30	PCL			3.26	
URANIUM	12 APR 82	0.	PCL		4.		

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7B - LEWISITE DISPOSAL

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7D - TSY BORROW PITS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 130	131	134	WES64
GROSS ALPHA	14 DEC 81	8.75	PCL	<8.75			
GROSS ALPHA	26 JAN 82	6.14	PCL	<6.14			
GROSS ALPHA	27 JAN 82	10.40	PCL		<10.40		
GROSS ALPHA	28 JAN 82	13.30	PCL			<13.30	
GROSS ALPHA	17 FEB 82	12.40	PCL	<10.20	<12.40		<9.65
GROSS ALPHA	30 MAR 82	4.24	PCL	ND	11.20		
GROSS ALPHA	12 APR 82	1.30	PCL	5.77			
GROSS ALPHA	14 APR 82	1.30	PCL			7.78	
GROSS ALPHA	21 APR 82	13.70	PCL	<8.43	<11.50	<13.70	<9.50
GROSS ALPHA	03 JUN 82	10.20	PCL	<10.20	<8.93		
GROSS ALPHA	29 JUN 82	1.30	PCL			30.40*	
GROSS ALPHA	30 JUN 82	7.09	PCL				<7.09
RADIUM-226	28 JAN 82	.05	PCL		.63		
RADIUM-226	17 FEB 82	.05	PCL	1.06	1.29		
RADIUM-226	12 APR 82	.05	PCL	.59			
RADIUM-226	03 JUN 82	.19	PCL	.18	ND		
GROSS BETA	14 DEC 81	1.30	PCL	7.48			
GROSS BETA	26 JAN 82	1.30	PCL	4.92			
GROSS BETA	27 JAN 82	1.30	PCL		3.13		
GROSS BETA	28 JAN 82	1.30	PCL			5.79	
GROSS BETA	17 FEB 82	1.30	PCL	5.28	4.80		4.90
GROSS BETA	30 MAR 82	1.30	PCL	4.59	11.80		
GROSS BETA	12 APR 82	1.30	PCL	6.88			
GROSS BETA	14 APR 82	1.30	PCL			5.56	
GROSS BETA	21 APR 82	1.30	PCL	6.11	7.13	6.03	6.19
GROSS BETA	03 JUN 82	1.30	PCL	6.00	5.68		
GROSS BETA	29 JUN 82	1.30	PCL			5.53	
URANIUM	29 JUN 82		PCL			1.	

RUN DATE: 29 OCT 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7D - TSY BORROW PITS

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

DATA IGNORED - IN CONTROL MODE

PRINTED ON A US GOVERNMENT COPIER -4

RECEIVED
JUN 24 1982
6W-EA

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 36 - SLUDGE LAGOONS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 125	120	121	122	124
WATER LEVELS (A)	04 MAR 82		FT	199.5	198.9	200.2	212.2	199.8
ARSENIC	02 FEB 82	.010	MGL		ND	.018		
ARSENIC	10 FEB 82	.010	MGL	ND	ND	ND	ND	ND
BARIUM	02 FEB 82	.1	MGL		ND	ND		
BARIUM	10 FEB 82	.1	MGL	ND	ND	ND	ND	ND
CADMIUM	02 FEB 82	.005	MGL		ND	ND		
CADMIUM	10 FEB 82	.005	MGL	ND	ND	ND	ND	ND
CHROMIUM	02 FEB 82	.010	MGL		.020	ND		
CHROMIUM	10 FEB 82	.010	MGL	ND	ND	ND	ND	ND
FLUORIDE	02 FEB 82	.10	MGL		.23	.31		
FLUORIDE	10 FEB 82	.10	MGL	.15	.18	.24	.13	.10
LEAD	02 FEB 82	.010	MGL		ND	ND		
LEAD	10 FEB 82	.010	MGL	ND	ND	ND	ND	ND
MERCURY	02 FEB 82	.2	UGL		ND	ND		
MERCURY	10 FEB 82	.2	UGL	ND	ND	ND	ND	ND
NO2+NO3 AS N	02 FEB 82	.05	MGL		28.20*	.20		
NO2+NO3 AS N	10 FEB 82	.05	MGL	15.00*	.15	.13	.05	.10
SELENIUM	02 FEB 82	.005	MGL		ND	ND		
SELENIUM	10 FEB 82	.005	MGL	ND	ND	ND	ND	ND
SILVER	02 FEB 82	.01	MGL		ND	ND		
SILVER	10 FEB 82	.01	MGL	ND	ND	ND	ND	ND
ENDRIN	02 FEB 82	.04	UGL		ND	ND		
ENDRIN	10 FEB 82	.04	UGL	ND	ND	ND	ND	ND
LINDANE	02 FEB 82	.08	UGL		ND	ND		
LINDANE	10 FEB 82	.08	UGL	ND	ND	ND	ND	ND
TOXAPHENE	02 FEB 82	1.6	UGL		ND	ND		
TOXAPHENE	10 FEB 82	1.6	UGL	ND	ND	ND	ND	ND
METHOXYCHLOR	02 FEB 82	1.6	UGL		ND	ND		
METHOXYCHLOR	10 FEB 82	1.6	UGL	ND	ND	ND	ND	ND
2,4-D	02 FEB 82	3.8	UGL		ND	ND		
2,4-D	10 FEB 82	3.8	UGL	ND	ND	ND	ND	ND
SILVEX	02 FEB 82	.5	UGL		ND	ND		
SILVEX	10 FEB 82	.5	UGL	ND	ND	ND	ND	ND
GROSS ALPHA	02 FEB 82	3.04	PCL		ND	ND		
GROSS ALPHA	10 FEB 82	1.91	PCL	ND	ND	ND	ND	ND
GROSS BETA	02 FEB 82	1.30	PCL		16.00	63.10*		
GROSS BETA	10 FEB 82	1.30	PCL	1.91	14.20	59.20*	1.48	1.91
CHLORIDE	02 FEB 82	1.0	MGL		58.8	24.9		
CHLORIDE	10 FEB 82	1.0	MGL	26.7	67.7	27.5	94.6	24.5
IRON	02 FEB 82	.03	MGL		.16	.06		

INCLOSURE 1

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 36 - SLUDGE LAGOONS

SAMPLING SITES
RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	B 125	120	121	122	124
IRON	10 FEB 82	.03	MGL	1.14#	ND	.06	3.40#	1.02#
MANGANESE	02 FEB 82	.01	MGL		.30#	ND		
MANGANESE	10 FEB 82	.01	MGL	.62#	.38#	ND	1.22#	.30#
PHENOL	02 FEB 82	.01	MGL		.04	.03		
PHENOL	10 FEB 82	.01	MGL	.08	.02	.03	.02	.02
SODIUM	02 FEB 82	1.	MGL		96.	102.		
SODIUM	10 FEB 82	1.	MGL	37.	83.	64.	44.	8.
SULFATE	02 FEB 82	5.0	MGL		45.8	20.1		
SULFATE	10 FEB 82	5.0	MGL	ND	45.8	15.1	19.2	ND
PH(FIELD)	02 FEB 82		PH		8.6#	10.6#		
PH(FIELD)	02 FEB 82		PH		8.6#	10.7#		
PH(FIELD)	02 FEB 82		PH		8.6#	10.7#		
PH(FIELD)	02 FEB 82		PH		8.5	10.6#		
PH(FIELD)	10 FEB 82		PH	6.6	7.1	9.7#	5.8#	6.8
PH(FIELD)	10 FEB 82		PH	6.6	7.1	9.7#	5.8#	6.8
PH(FIELD)	10 FEB 82		PH	6.6	7.1	9.6#	5.8#	6.8
PH(FIELD)	10 FEB 82		PH	6.5	7.1	9.6#	5.8#	6.8
SPEC COND	02 FEB 82	1.	UMC		745.	690.		
SPEC COND	02 FEB 82	1.	UMC		745.	689.		
SPEC COND	02 FEB 82	1.	UMC		745.	688.		
SPEC COND	02 FEB 82	1.	UMC		740.	688.		
SPEC COND	10 FEB 82	1.	UMC	328.	690.	550.	512.	280.
SPEC COND	10 FEB 82	1.	UMC	328.	693.	545.	512.	280.
SPEC COND	10 FEB 82	1.	UMC	328.	689.	550.	512.	280.
SPEC COND	10 FEB 82	1.	UMC	328.	690.	550.	511.	280.
TOC	02 FEB 82	1.0	MGL		5.0	5.0		
TOC	02 FEB 82	1.0	MGL		6.0	5.0		
TOC	02 FEB 82	1.0	MGL		5.0	5.0		
TOC	02 FEB 82	1.0	MGL		6.0	5.0		
TOC	10 FEB 82	1.0	MGL	3.0	2.0	2.0	8.0	2.0
TOC	10 FEB 82	1.0	MGL	3.0	2.0	2.0	8.0	2.0
TOC	10 FEB 82	1.0	MGL	3.0	2.0	2.0	8.0	2.0
TOC	10 FEB 82	1.0	MGL	3.0	1.0	2.0	8.0	2.0
TOX	02 FEB 82	10.	UGL		ND	11. C		
TOX	02 FEB 82	10.	UGL		ND	ND		
TOX	02 FEB 82	10.	UGL		ND	15. C		
TOX	02 FEB 82	10.	UGL		ND	ND		
TOX	10 FEB 82	10.	UGL	140. C	39. C	360. C	300. C	100. C
TOX	10 FEB 82	10.	UGL	160. C	20. C	320. C	290. C	83. C
TOX	10 FEB 82	10.	UGL	160. C	23. C	380. C	330. C	93. C
TOX	10 FEB 82	10.	UGL	180. C	27. C	360. C	300. C	160. C

PRINTED ON A US GOVERNMENT COPIER -4

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 36 - SLUDGE LAGOONS

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

A VALUES SHOWN ARE FOR WATER LEVEL ELEVATION ABOVE A REFERENCE DATUM
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD
# VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER REGULATION CRITERIA

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

PRINTED ON A US GOVERNMENT COPIER -4

Sheet 2 of 4 Sheets

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7D - TSY BORROW PITS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 130	131	134	WES64
WATER LEVELS (A)	04 MAR 82		FT	240.2	237.5	240.5	238.9
ARSENIC	14 DEC 81	.010	MGL	ND			
ARSENIC	26 JAN 82	.010	MGL	.050			
ARSENIC	27 JAN 82	.010	MGL		.015		
ARSENIC	28 JAN 82	.010	MGL			ND	
ARSENIC	17 FEB 82	.010	MGL	ND	ND	ND	ND
BARIUM	14 DEC 81	.1	MGL	ND			
BARIUM	26 JAN 82	.1	MGL	ND			
BARIUM	27 JAN 82	.1	MGL		ND		
BARIUM	28 JAN 82	.1	MGL			ND	
BARIUM	17 FEB 82	.1	MGL	ND	ND	ND	.1
CADMIUM	14 DEC 81	.005	MGL	ND			
CADMIUM	26 JAN 82	.005	MGL	ND			
CADMIUM	27 JAN 82	.005	MGL		ND		
CADMIUM	28 JAN 82	.005	MGL			ND	
CADMIUM	17 FEB 82	.005	MGL	ND	ND	ND	.010
CHROMIUM	14 DEC 81	.010	MGL	ND			
CHROMIUM	26 JAN 82	.010	MGL	ND			
CHROMIUM	27 JAN 82	.010	MGL		ND		
CHROMIUM	28 JAN 82	.010	MGL			ND	
CHROMIUM	17 FEB 82	.010	MGL	ND	ND	.010	ND
FLUORIDE	14 DEC 81	.10	MGL	ND			
FLUORIDE	26 JAN 82	.10	MGL	ND			
FLUORIDE	27 JAN 82	.10	MGL		.40		
FLUORIDE	28 JAN 82	.10	MGL			1.00	
FLUORIDE	17 FEB 82	.10	MGL	.12	.38	1.00	.19
LEAD	14 DEC 81	.010	MGL	.031			
LEAD	26 JAN 82	.010	MGL	ND			
LEAD	27 JAN 82	.010	MGL		ND		
LEAD	28 JAN 82	.010	MGL			ND	
LEAD	17 FEB 82	.010	MGL	ND	.020	ND	ND
MERCURY	14 DEC 81	.2	UGL	ND			
MERCURY	26 JAN 82	.2	UGL	ND			
MERCURY	27 JAN 82	.2	UGL		ND		
MERCURY	28 JAN 82	.2	UGL			ND	
MERCURY	17 FEB 82	.2	UGL	ND	ND	ND	ND
NO2+NO3 AS N	14 DEC 81	.05	MGL	ND			
NO2+NO3 AS N	26 JAN 82	.05	MGL	ND			
NO2+NO3 AS N	27 JAN 82	.05	MGL		125.00*		
NO2+NO3 AS N	28 JAN 82	.05	MGL			.29	

Inclosure 3

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7D - TSY BORROW PITS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 130	131	134	WES64
NO2+NO3 AS N	17 FEB 82	.05	MGL	74.00*	217.00*	.33	3.00
SELENIUM	14 DEC 81	.005	MGL	ND			
SELENIUM	26 JAN 82	.005	MGL	.010			
SELENIUM	27 JAN 82	.005	MGL		ND		
SELENIUM	28 JAN 82	.005	MGL			.007	
SELENIUM	17 FEB 82	.005	MGL	ND	ND	ND	ND
SILVER	14 DEC 81	.01	MGL	ND			
SILVER	26 JAN 82	.01	MGL	ND			
SILVER	27 JAN 82	.01	MGL		ND		
SILVER	28 JAN 82	.01	MGL			.01	
SILVER	17 FEB 82	.01	MGL	ND	ND	ND	ND
ENDRIN	14 DEC 81	.04	UGL	ND			
ENDRIN	26 JAN 82	.04	UGL	ND			
ENDRIN	27 JAN 82	.04	UGL		ND		
ENDRIN	28 JAN 82	.04	UGL			ND	
ENDRIN	17 FEB 82	.04	UGL	ND	ND	ND	ND
LINDANE	14 DEC 81	.08	UGL	ND			
LINDANE	26 JAN 82	.08	UGL	ND			
LINDANE	27 JAN 82	.08	UGL		ND		
LINDANE	28 JAN 82	.08	UGL			ND	
LINDANE	17 FEB 82	.08	UGL	ND	ND	ND	ND
TOXAPHENE	14 DEC 81	1.6	UGL	ND			
TOXAPHENE	26 JAN 82	1.3	UGL	ND			
TOXAPHENE	27 JAN 82	1.6	UGL		ND		
TOXAPHENE	28 JAN 82	1.6	UGL			ND	
TOXAPHENE	17 FEB 82	1.6	UGL	ND	ND	ND	ND
METHOXYCHLOR	14 DEC 81	1.6	UGL	ND			
METHOXYCHLOR	26 JAN 82	1.3	UGL	ND			
METHOXYCHLOR	27 JAN 82	1.6	UGL		ND		
METHOXYCHLOR	28 JAN 82	1.6	UGL			ND	
METHOXYCHLOR	17 FEB 82	1.6	UGL	ND	ND	ND	ND
2,4-D	14 DEC 81	3.8	UGL	ND			
2,4-D	26 JAN 82	3.8	UGL	ND			
2,4-D	27 JAN 82	3.8	UGL		ND		
2,4-D	28 JAN 82	3.8	UGL			ND	
2,4-D	17 FEB 82	3.8	UGL	ND	ND	ND	ND
SILVEX	14 DEC 81	.5	UGL	ND			
SILVEX	26 JAN 82	.5	UGL	ND			
SILVEX	27 JAN 82	.5	UGL		ND		
SILVEX	28 JAN 82	.5	UGL			ND	
SILVEX	17 FEB 82	.5	UGL	ND	ND	ND	ND

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7D - TSY BORROW PITS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 130	131	134	WES64
GROSS ALPHA	14 DEC 81	8.75	PCL	ND			
GROSS ALPHA	26 JAN 82	6.14	PCL	ND			
GROSS ALPHA	27 JAN 82	10.40	PCL		ND		
GROSS ALPHA	28 JAN 82	13.30	PCL			ND	
GROSS ALPHA	17 FEB 82	9.65	PCL	ND	ND		ND
RADIUM-226	28 JAN 82	.05	PCL		.63		
GROSS BETA	14 DEC 81	1.30	PCL	7.48			
GROSS BETA	26 JAN 82	1.30	PCL	4.92			
GROSS BETA	27 JAN 82	1.30	PCL		3.13		
GROSS BETA	28 JAN 82	1.30	PCL			5.79	
GROSS BETA	17 FEB 82	1.30	PCL	5.28	4.80		4.90
CHLORIDE	14 DEC 81	1.0	MGL	204.0			
CHLORIDE	26 JAN 82	1.0	MGL	214.0			
CHLORIDE	27 JAN 82	1.0	MGL		619.0#		
CHLORIDE	28 JAN 82	1.0	MGL			509.0#	
CHLORIDE	17 FEB 82	1.0	MGL	330.0#	670.0#	480.0#	500.0#
IRON	14 DEC 81	.03	MGL	.12			
IRON	26 JAN 82	.03	MGL	31.60#			
IRON	27 JAN 82	.03	MGL		.20		
IRON	28 JAN 82	.03	MGL			.75#	
IRON	17 FEB 82	.03	MGL	8.70#	.20	ND	1.25#
MANGANESE	14 DEC 81	.01	MGL	.74#			
MANGANESE	26 JAN 82	.01	MGL	.99#			
MANGANESE	27 JAN 82	.01	MGL		1.27#		
MANGANESE	28 JAN 82	.01	MGL			5.00#	
MANGANESE	17 FEB 82	.01	MGL	1.65#	1.38#	5.10#	.89#
PHENOL	14 DEC 81	.01	MGL	.03			
PHENOL	26 JAN 82	.01	MGL	.02			
PHENOL	27 JAN 82	.01	MGL		.06		
PHENOL	28 JAN 82	.01	MGL			.07	
PHENOL	17 FEB 82	.01	MGL	.01	ND	ND	ND
SODIUM	14 DEC 81	1.	MGL	266.			
SODIUM	26 JAN 82	1.	MGL	316.			
SODIUM	27 JAN 82	1.	MGL		474.		
SODIUM	28 JAN 82	1.	MGL			462.	
SODIUM	17 FEB 82	1.	MGL	364.	482.	510.	352.
SULFATE	14 DEC 81	5.0	MGL	881.0#			
SULFATE	26 JAN 82	5.0	MGL	723.0#			
SULFATE	27 JAN 82	5.0	MGL		274.0#		
SULFATE	28 JAN 82	5.0	MGL			1700.0#	
SULFATE	17 FEB 82	5.0	MGL	740.0#	280.0#	1440.0#	400.0#

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7D - TSY BORROW PITS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 130	131	134	WES64
PH(FIELD)	14 DEC 81		PH	6.6			
PH(FIELD)	14 DEC 81		PH	6.5			
PH(FIELD)	14 DEC 81		PH	6.5			
PH(FIELD)	14 DEC 81		PH	6.5			
PH(FIELD)	26 JAN 82		PH	6.5			
PH(FIELD)	26 JAN 82		PH	6.3#			
PH(FIELD)	26 JAN 82		PH	6.4#			
PH(FIELD)	26 JAN 82		PH	6.3#			
PH(FIELD)	27 JAN 82		PH		6.0#		
PH(FIELD)	27 JAN 82		PH		6.0#		
PH(FIELD)	27 JAN 82		PH		6.0#		
PH(FIELD)	27 JAN 82		PH		6.0#		
PH(FIELD)	28 JAN 82		PH			5.8#	
PH(FIELD)	28 JAN 82		PH			5.8#	
PH(FIELD)	28 JAN 82		PH			5.8#	
PH(FIELD)	28 JAN 82		PH			5.8#	
PH(FIELD)	17 FEB 82		PH	6.5	6.0#	5.9#	5.2#
PH(FIELD)	17 FEB 82		PH	6.6	6.0#	5.9#	5.2#
PH(FIELD)	17 FEB 82		PH	6.6	6.0#	5.9#	5.2#
PH(FIELD)	17 FEB 82		PH	6.6	6.0#	5.9#	5.2#
SPEC COND	14 DEC 81	1.	UMC	2310.			
SPEC COND	14 DEC 81	1.	UMC	2300.			
SPEC COND	14 DEC 81	1.	UMC	2300.			
SPEC COND	14 DEC 81	1.	UMC	2300.			
SPEC COND	26 JAN 82	1.	UMC	2250.			
SPEC COND	26 JAN 82	1.	UMC	2249.			
SPEC COND	26 JAN 82	1.	UMC	2250.			
SPEC COND	26 JAN 82	1.	UMC	2250.			
SPEC COND	27 JAN 82	1.	UMC		3950.		
SPEC COND	27 JAN 82	1.	UMC		3950.		
SPEC COND	27 JAN 82	1.	UMC		3950.		
SPEC COND	27 JAN 82	1.	UMC		3960.		
SPEC COND	28 JAN 82	1.	UMC			4140.	
SPEC COND	28 JAN 82	1.	UMC			4140.	
SPEC COND	28 JAN 82	1.	UMC			4150.	
SPEC COND	28 JAN 82	1.	UMC			4145.	
SPEC COND	17 FEB 82	1.	UMC	3000.	4900.	3650.	3000.
SPEC COND	17 FEB 82	1.	UMC	3000.	4905.	3650.	3002.
SPEC COND	17 FEB 82	1.	UMC	3000.	4900.	3650.	3001.
SPEC COND	17 FEB 82	1.	UMC	3000.	4900.	3650.	3002.
TOC	14 DEC 81	1.0	MGL	3.0			

PRINTED ON A US GOVERNMENT COPIER -4

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7D - TSY BORROW PITS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 130		131		134		WES64	
TOC	14 DEC 81	1.0	MGL	3.0							
TOC	14 DEC 81	1.0	MGL	3.0							
TOC	14 DEC 81	1.0	MGL	3.0							
TOC	26 JAN 82	1.0	MGL	5.0							
TOC	26 JAN 82	1.0	MGL	5.0							
TOC	26 JAN 82	1.0	MGL	5.0							
TOC	26 JAN 82	1.0	MGL	5.0							
TOC	27 JAN 82	1.0	MGL			15.0					
TOC	27 JAN 82	1.0	MGL			15.0					
TOC	27 JAN 82	1.0	MGL			15.0					
TOC	27 JAN 82	1.0	MGL			15.0					
TOC	28 JAN 82	1.0	MGL					207.0			
TOC	28 JAN 82	1.0	MGL					207.0			
TOC	28 JAN 82	1.0	MGL					207.0			
TOC	28 JAN 82	1.0	MGL					208.0			
TOC	17 FEB 82	1.0	MGL	12.0		10.0		21.0		16.0	
TOC	17 FEB 82	1.0	MGL	12.0		10.0		20.0		16.0	
TOC	17 FEB 82	1.0	MGL	12.0		10.0		21.0		17.0	
TOC	17 FEB 82	1.0	MGL	12.0		10.0		21.0		16.0	
TOX	14 DEC 81	10.	UGL	52.	C						
TOX	14 DEC 81	10.	UGL	82.	C						
TOX	14 DEC 81	10.	UGL	47.	C						
TOX	14 DEC 81	10.	UGL	36.	C						
TOX	26 JAN 82	10.	UGL	25.	C						
TOX	26 JAN 82	10.	UGL	21.	C						
TOX	26 JAN 82	10.	UGL	18.	C						
TOX	26 JAN 82	10.	UGL	ND							
TOX	28 JAN 82	10.	UGL					93.	C		
TOX	28 JAN 82	10.	UGL					50.	C		
TOX	28 JAN 82	10.	UGL					48.	C		
TOX	28 JAN 82	10.	UGL					110.	C		
TOX	17 FEB 82	10.	UGL	230.	C	1530.	C	280.	C	990.	C
TOX	17 FEB 82	10.	UGL	210.	C	1980.	C	190.	C	780.	C
TOX	17 FEB 82	10.	UGL	250.	C	2450.	C	270.	C	780.	C
TOX	17 FEB 82	10.	UGL	260.	C	3230.	C	270.	C	480.	C

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7D - TSY BORROW PITS

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

A VALUES SHOWN ARE FOR WATER LEVEL ELEVATION ABOVE A REFERENCE DATUM
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD
# VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER REGULATION CRITERIA

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

PRINTED ON A US GOVERNMENT COPIER -4

Incl 3 to Incl 1

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 11 - OLD MFG/DDT LNDFL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 115	B 116	B 118	117	WES44	WES43	WES80
WATER LEVELS (A)	04 MAR 82		FT	257.7	253.7	265.2	250.3	249.1	246.9	242.8
ARSENIC	26 JAN 82	.010	MGL							.080*
ARSENIC	08 FEB 82	.010	MGL	ND	ND	ND	ND	.010	.030	
ARSENIC	09 FEB 82	.010	MGL							.010
BARIUM	26 JAN 82	.1	MGL							ND
BARIUM	08 FEB 82	.1	MGL	ND	ND	ND	ND	ND	ND	
BARIUM	09 FEB 82	.1	MGL							ND
CADMIUM	26 JAN 82	.005	MGL							ND
CADMIUM	08 FEB 82	.005	MGL	ND	ND	ND	ND	.008	ND	
CADMIUM	09 FEB 82	.005	MGL							ND
CHROMIUM	26 JAN 82	.010	MGL							ND
CHROMIUM	08 FEB 82	.010	MGL	ND	ND	ND	.010	ND	ND	
CHROMIUM	09 FEB 82	.010	MGL							ND
FLUORIDE	26 JAN 82	.10	MGL							.19
FLUORIDE	08 FEB 82	.10	MGL	.13	.54	.17	.17	2.40*	.14	
FLUORIDE	09 FEB 82	.10	MGL							.22
LEAD	26 JAN 82	.010	MGL							ND
LEAD	08 FEB 82	.010	MGL	ND	ND	ND	ND	ND	ND	
LEAD	09 FEB 82	.010	MGL							ND
MERCURY	26 JAN 82	.2	UGL							ND
MERCURY	08 FEB 82	.2	UGL	ND	ND	ND	ND	71.2*	.3	
MERCURY	09 FEB 82	.2	UGL							ND
NO2+NO3 AS N	26 JAN 82	.05	MGL							52.10*
NO2+NO3 AS N	08 FEB 82	.05	MGL	10.00	.55	.06	.11	.73	.58	
NO2+NO3 AS N	09 FEB 82	.05	MGL							.21
SELENIUM	26 JAN 82	.005	MGL							.035*
SELENIUM	08 FEB 82	.005	MGL	ND	ND	ND	ND	.012*	.023*	
SELENIUM	09 FEB 82	.005	MGL							ND
SILVER	26 JAN 82	.01	MGL							ND
SILVER	08 FEB 82	.01	MGL	ND	ND	ND	ND	.01	ND	
SILVER	09 FEB 82	.01	MGL							ND
ENDRIN	26 JAN 82	.04	UGL							ND
ENDRIN	08 FEB 82	.04	UGL	ND	ND	ND	ND	ND	ND	
ENDRIN	09 FEB 82	.04	UGL							ND
LINDANE	26 JAN 82	.08	UGL							ND
LINDANE	08 FEB 82	.08	UGL	ND	ND	ND	ND	ND	ND	
LINDANE	09 FEB 82	.08	UGL							ND
TOXAPHENE	26 JAN 82	1.3	UGL							ND
TOXAPHENE	08 FEB 82	1.6	UGL	ND	ND	ND	ND	ND	ND	
TOXAPHENE	09 FEB 82	1.6	UGL							ND

Inclosure 3

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 11 - OLD MFG/DDT LNDFL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 115	B 116	B 118	117	WES44	WES43	WES80
METHOXYCHLOR	26 JAN 82	1.3	UGL							ND
METHOXYCHLOR	08 FEB 82	1.6	UGL	ND	ND	ND	ND	ND	ND	
METHOXYCHLOR	09 FEB 82	1.6	UGL							ND
2,4-D	26 JAN 82	3.8	UGL							ND
2,4-D	08 FEB 82	3.8	UGL	ND	ND	ND	ND	ND	ND	
2,4-D	09 FEB 82	3.8	UGL							ND
SILVEX	26 JAN 82	.5	UGL							ND
SILVEX	08 FEB 82	.5	UGL	ND	ND	ND	ND	ND	ND	
SILVEX	09 FEB 82	.5	UGL							ND
GROSS ALPHA	26 JAN 82	8.95	PCL							ND
GROSS ALPHA	08 FEB 82	1.30	PCL	ND	2.08	ND	ND	37.10*	6.37	
GROSS ALPHA	09 FEB 82	1.30	PCL							12.60
GROSS BETA	26 JAN 82	1.30	PCL							4.47
GROSS BETA	08 FEB 82	1.52	PCL	ND	2.39	1.14	1.47	15.60	12.20	
GROSS BETA	09 FEB 82	1.30	PCL							6.94
CHLORIDE	26 JAN 82	1.0	MGL							339.0#
CHLORIDE	08 FEB 82	1.0	MGL	18.9	18.8	1.1	21.6	42.4	430.0#	
CHLORIDE	09 FEB 82	1.0	MGL							330.0#
IRON	26 JAN 82	.03	MGL							.12
IRON	08 FEB 82	.03	MGL	.08	ND	ND	.04	.22	.04	
IRON	09 FEB 82	.03	MGL							ND
MANGANESE	26 JAN 82	.01	MGL							1.20#
MANGANESE	08 FEB 82	.01	MGL	1.06#	.79#	.27#	2.60#	.79#	1.08#	
MANGANESE	09 FEB 82	.01	MGL							1.26#
PHENOL	26 JAN 82	.01	MGL							.05
PHENOL	08 FEB 82	.01	MGL	.01	.07	ND	.02	ND	ND	
PHENOL	09 FEB 82	.01	MGL							ND
SODIUM	26 JAN 82	1.	MGL							610.
SODIUM	08 FEB 82	1.	MGL	24.	38.	7.	16.	274.	401.	
SODIUM	09 FEB 82	1.	MGL							631.
SULFATE	26 JAN 82	5.0	MGL							1400.0#
SULFATE	08 FEB 82	5.0	MGL	25.6	13.5	30.5	23.8	1590.0#	810.0#	
SULFATE	09 FEB 82	5.0	MGL							1690.0#
PH(FIELD)	26 JAN 82		PH							6.4#
PH(FIELD)	26 JAN 82		PH							6.3#
PH(FIELD)	26 JAN 82		PH							6.2#
PH(FIELD)	26 JAN 82		PH							6.3#
PH(FIELD)	08 FEB 82		PH	6.9	7.1	6.4#	6.8	4.2#	6.6	6.2#
PH(FIELD)	08 FEB 82		PH	6.9	7.1	6.4#	6.8	4.2#	6.7	6.3#
PH(FIELD)	08 FEB 82		PH	6.9	7.1	6.4#	6.8	4.2#	6.7	6.3#
PH(FIELD)	08 FEB 82		PH	6.9	7.1	6.4#	6.8	4.2#	6.7	6.3#

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 11 - OLD MFG/DDT LNDFL

SAMPLING SITES
RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	B 115	B 116	B 118	117	WES44	WES43	WES80
SPEC COND	26 JAN 82	1.	UMC							3500.
SPEC COND	26 JAN 82	1.	UMC							3500.
SPEC COND	26 JAN 82	1.	UMC							3490.
SPEC COND	26 JAN 82	1.	UMC							3500.
SPEC COND	08 FEB 82	1.	UMC	319.	405.	150.	410.	3290.	2790.	
SPEC COND	08 FEB 82	1.	UMC	320.	405.	150.	409.	3290.	2780.	
SPEC COND	08 FEB 82	1.	UMC	319.	405.	150.	410.	3300.	2780.	
SPEC COND	08 FEB 82	1.	UMC	319.	406.	150.	410.	3250.	2770.	
SPEC COND	09 FEB 82	1.	UMC							3830.
SPEC COND	09 FEB 82	1.	UMC							3840.
SPEC COND	09 FEB 82	1.	UMC							3830.
SPEC COND	09 FEB 82	1.	UMC							3830.
TOC	26 JAN 82	1.0	MGL							9.0
TOC	26 JAN 82	1.0	MGL							9.0
TOC	26 JAN 82	1.0	MGL							9.0
TOC	26 JAN 82	1.0	MGL							9.0
TOC	08 FEB 82	1.0	MGL	7.0	4.0	2.0	2.0	12.0	4.0	
TOC	08 FEB 82	1.0	MGL	7.0	4.0	2.0	2.0	12.0	4.0	
TOC	08 FEB 82	1.0	MGL	7.0	4.0	2.0	2.0	12.0	4.0	
TOC	08 FEB 82	1.0	MGL	7.0	4.0	2.0	2.0	13.0	4.0	
TOC	09 FEB 82	1.0	MGL							9.0
TOC	09 FEB 82	1.0	MGL							9.0
TOC	09 FEB 82	1.0	MGL							9.0
TOC	09 FEB 82	1.0	MGL							9.0
TOX	26 JAN 82	10.	UGL							92. C
TOX	26 JAN 82	10.	UGL							110. C
TOX	26 JAN 82	10.	UGL							90.
TOX	26 JAN 82	10.	UGL							100.
TOX	08 FEB 82	10.	UGL	110. C	46. C	1850. C	80. C	55. C	240. C	
TOX	08 FEB 82	10.	UGL	110. C	25. C	1870. C	58. C	15. C	280. C	
TOX	08 FEB 82	10.	UGL	160. C	19. C	2370. C	120. C	34. C	260. C	
TOX	08 FEB 82	10.	UGL	130. C	38. C	1520. C	86. C	31. C	290. C	
TOX	09 FEB 82	10.	UGL							260. C
TOX	09 FEB 82	10.	UGL							250. C
TOX	09 FEB 82	10.	UGL							250. C
TOX	09 FEB 82	10.	UGL							200. C

PRINTED ON A US GOVERNMENT COPIER -4-

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 11 - OLD MFG/DDT LNDFL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS WES62	WES29
WATER LEVELS (A)	04 MAR 82		FT	255.8	229.9
ARSENIC	14 DEC 81	.010	MGL	ND	
ARSENIC	15 DEC 81	.010	MGL		ND
ARSENIC	26 JAN 82	.010	MGL	.080*	
ARSENIC	09 FEB 82	.010	MGL	ND	ND
BARIUM	14 DEC 81	.1	MGL	ND	
BARIUM	15 DEC 81	.1	MGL		ND
BARIUM	26 JAN 82	.1	MGL	ND	
BARIUM	09 FEB 82	.1	MGL	ND	ND
CADMIUM	14 DEC 81	.005	MGL	ND	
CADMIUM	15 DEC 81	.005	MGL		.005
CADMIUM	26 JAN 82	.005	MGL	ND	
CADMIUM	09 FEB 82	.005	MGL	ND	ND
CHROMIUM	14 DEC 81	.010	MGL	ND	
CHROMIUM	15 DEC 81	.010	MGL		ND
CHROMIUM	26 JAN 82	.010	MGL	ND	
CHROMIUM	09 FEB 82	.010	MGL	ND	ND
FLUORIDE	14 DEC 81	.10	MGL	1.10	
FLUORIDE	15 DEC 81	.10	MGL		.24
FLUORIDE	26 JAN 82	.10	MGL	1.20	
FLUORIDE	09 FEB 82	.10	MGL	1.00	.61
LEAD	14 DEC 81	.010	MGL	.040	
LEAD	15 DEC 81	.010	MGL		.027
LEAD	26 JAN 82	.010	MGL	ND	
LEAD	09 FEB 82	.010	MGL	ND	ND
MERCURY	14 DEC 81	.2	UGL	ND	
MERCURY	15 DEC 81	.2	UGL		ND
MERCURY	26 JAN 82	.2	UGL	ND	
MERCURY	09 FEB 82	.2	UGL	ND	ND
NO2+NO3 AS N	14 DEC 81	.05	MGL	5.10	
NO2+NO3 AS N	15 DEC 81	.05	MGL		4.20
NO2+NO3 AS N	26 JAN 82	.05	MGL	.15	
NO2+NO3 AS N	09 FEB 82	.05	MGL	.11	.14
SELENIUM	14 DEC 81	.005	MGL	ND	
SELENIUM	15 DEC 81	.005	MGL		ND
SELENIUM	26 JAN 82	.005	MGL	ND	
SELENIUM	09 FEB 82	.005	MGL	ND	ND
SILVER	14 DEC 81	.01	MGL	ND	
SILVER	15 DEC 81	.01	MGL		ND
SILVER	26 JAN 82	.01	MGL	ND	

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 11 - OLD MFG/DDT LNDFL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS WES62	WES29
SILVER	09 FEB 82	.01	MGL	ND	ND
ENDRIN	14 DEC 81	.04	UGL	ND	
ENDRIN	15 DEC 81	.04	UGL		ND
ENDRIN	26 JAN 82	.04	UGL	ND	
ENDRIN	09 FEB 82	.04	UGL	ND	ND
LINDANE	14 DEC 81	.08	UGL	ND	
LINDANE	15 DEC 81	.08	UGL		ND
LINDANE	26 JAN 82	.08	UGL	ND	
LINDANE	09 FEB 82	.08	UGL	ND	ND
TOXAPHENE	14 DEC 81	1.6	UGL	ND	
TOXAPHENE	15 DEC 81	1.6	UGL		ND
TOXAPHENE	26 JAN 82	1.3	UGL	ND	
TOXAPHENE	09 FEB 82	1.6	UGL	ND	ND
METHOXYCHLOR	14 DEC 81	1.6	UGL	ND	
METHOXYCHLOR	15 DEC 81	1.6	UGL		ND
METHOXYCHLOR	26 JAN 82	1.3	UGL	ND	
METHOXYCHLOR	09 FEB 82	1.6	UGL	ND	ND
2,4-D	14 DEC 81	3.8	UGL	ND	
2,4-D	15 DEC 81	3.8	UGL		ND
2,4-D	26 JAN 82	3.8	UGL	ND	
2,4-D	09 FEB 82	3.8	UGL	ND	ND
SILVEX	14 DEC 81	.5	UGL	ND	
SILVEX	15 DEC 81	.5	UGL		ND
SILVEX	26 JAN 82	.5	UGL	ND	
SILVEX	09 FEB 82	.5	UGL	ND	ND
GROSS ALPHA	14 DEC 81	11.40	PCL	ND	
GROSS ALPHA	15 DEC 81	11.20	PCL		ND
GROSS ALPHA	26 JAN 82	7.53	PCL	ND	
GROSS ALPHA	09 FEB 82	6.91	PCL	ND	21.60
GROSS BETA	14 DEC 81	1.30	PCL	1.77	
GROSS BETA	15 DEC 81	1.30	PCL		6.65
GROSS BETA	26 JAN 82	1.99	PCL	ND	
GROSS BETA	09 FEB 82	1.30	PCL	1.42	9.75
CHLORIDE	14 DEC 81	1.0	MGL	412.0#	
CHLORIDE	15 DEC 81	1.0	MGL		541.0#
CHLORIDE	26 JAN 82	1.0	MGL	385.0#	
CHLORIDE	09 FEB 82	1.0	MGL	360.0#	710.0#
IRON	14 DEC 81	.03	MGL	11.50#	
IRON	15 DEC 81	.03	MGL		1.03#
IRON	26 JAN 82	.03	MGL	6.30#	
IRON	09 FEB 82	.03	MGL	2.89#	1.80#

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 11 - OLD MFG/DDT LNDFL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS WES62	WES29
MANGANESE	14 DEC 81	.01	MGL	1.37#	
MANGANESE	15 DEC 81	.01	MGL		1.45#
MANGANESE	26 JAN 82	.01	MGL	1.48#	
MANGANESE	09 FEB 82	.01	MGL	1.14#	1.25#
PHENOL	14 DEC 81	.01	MGL	.05	
PHENOL	15 DEC 81	.01	MGL		.03
PHENOL	26 JAN 82	.01	MGL	.02	
PHENOL	09 FEB 82	.01	MGL	ND	ND
SODIUM	14 DEC 81	1.	MGL	392.	
SODIUM	15 DEC 81	1.	MGL		310.
SODIUM	26 JAN 82	1.	MGL	522.	
SODIUM	09 FEB 82	1.	MGL	482.	344.
SULFATE	14 DEC 81	5.0	MGL	1090.0#	
SULFATE	15 DEC 81	5.0	MGL		668.0#
SULFATE	26 JAN 82	5.0	MGL	980.0#	
SULFATE	09 FEB 82	5.0	MGL	980.0#	960.0#
PH(FIELD)	14 DEC 81		PH	5.5#	
PH(FIELD)	14 DEC 81		PH	5.5#	
PH(FIELD)	14 DEC 81		PH	5.5#	
PH(FIELD)	14 DEC 81		PH	5.5#	
PH(FIELD)	15 DEC 81		PH		5.3#
PH(FIELD)	15 DEC 81		PH		5.3#
PH(FIELD)	15 DEC 81		PH		5.3#
PH(FIELD)	15 DEC 81		PH		5.3#
PH(FIELD)	26 JAN 82		PH	5.6#	
PH(FIELD)	26 JAN 82		PH	5.6#	
PH(FIELD)	26 JAN 82		PH	5.6#	
PH(FIELD)	26 JAN 82		PH	5.6#	
PH(FIELD)	08 FEB 82		PH	5.3#	5.1#
PH(FIELD)	08 FEB 82		PH	5.3#	5.1#
PH(FIELD)	08 FEB 82		PH	5.3#	5.1#
PH(FIELD)	08 FEB 82		PH	5.3#	5.1#
SPEC COND	14 DEC 81	1.	UMC	3190.	
SPEC COND	14 DEC 81	1.	UMC	3200.	
SPEC COND	14 DEC 81	1.	UMC	3200.	
SPEC COND	14 DEC 81	1.	UMC	3200.	
SPEC COND	15 DEC 81	1.	UMC		3900.
SPEC COND	15 DEC 81	1.	UMC		3900.
SPEC COND	15 DEC 81	1.	UMC		3900.
SPEC COND	15 DEC 81	1.	UMC		3900.
SPEC COND	26 JAN 82	1.	UMC	2950.	

PRINTED ON A US GOVERNMENT COPIER -4

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 11 - OLD MFG/DDT LNDFL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS WES62		WES29	
SPEC COND	26 JAN 82	1.	UMC	2940.			
SPEC COND	26 JAN 82	1.	UMC	2950.			
SPEC COND	26 JAN 82	1.	UMC	2950.			
SPEC COND	09 FEB 82	1.	UMC	3140.		4290.	
SPEC COND	09 FEB 82	1.	UMC	3120.		4300.	
SPEC COND	09 FEB 82	1.	UMC	3120.		4250.	
SPEC COND	09 FEB 82	1.	UMC	3140.		4290.	
TOC	14 DEC 81	1.0	MGL	17.0			
TOC	14 DEC 81	1.0	MGL	18.0			
TOC	14 DEC 81	1.0	MGL	17.0			
TOC	14 DEC 81	1.0	MGL	17.0			
TOC	15 DEC 81	1.0	MGL			6.0	
TOC	15 DEC 81	1.0	MGL			6.0	
TOC	15 DEC 81	1.0	MGL			7.0	
TOC	15 DEC 81	1.0	MGL			6.0	
TOC	26 JAN 82	1.0	MGL	15.0			
TOC	26 JAN 82	1.0	MGL	15.0			
TOC	26 JAN 82	1.0	MGL	15.0			
TOC	26 JAN 82	1.0	MGL	15.0			
TOC	09 FEB 82	1.0	MGL	11.0		10.0	
TOC	09 FEB 82	1.0	MGL	11.0		10.0	
TOC	09 FEB 82	1.0	MGL	11.0		10.0	
TOC	09 FEB 82	1.0	MGL	11.0		10.0	
TOX	14 DEC 81	10.	UGL	466.	C		
TOX	14 DEC 81	10.	UGL	443.	C		
TOX	14 DEC 81	10.	UGL	471.	C		
TOX	14 DEC 81	10.	UGL	507.	C		
TOX	15 DEC 81	10.	UGL			149.	C
TOX	15 DEC 81	10.	UGL			54.	C
TOX	15 DEC 81	10.	UGL			63.	C
TOX	15 DEC 81	10.	UGL			75.	C
TOX	26 JAN 82	10.	UGL	440.	C		
TOX	26 JAN 82	10.	UGL	420.	C		
TOX	26 JAN 82	10.	UGL	400.	C		
TOX	26 JAN 82	10.	UGL	430.	C		
TOX	09 FEB 82	10.	UGL	230.	C	290.	C
TOX	09 FEB 82	10.	UGL	250.	C	270.	C
TOX	09 FEB 82	10.	UGL	250.	C	210.	C
TOX	09 FEB 82	10.	UGL	220.	C	210.	C

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR FACILITY: SITE 11 - OLD MFG/DDT LNDFL

LEGEND
NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

A VALUES SHOWN ARE FOR WATER LEVEL ELEVATION ABOVE A REFERENCE DATUM
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD
# VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER REGULATION CRITERIA

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

ERROR MODE: TYPE=004, CODE=044, ERR.ADDRESS= 023773
ER EABT$ ABORT ADR: 024556 BDI:000004
PROGRAM INITIATED INTERUPT: EABT$.

```
  X                 000000 023644  000001 105330  000000 000004  000000 000000  000000 000000  000000 000000  000000 000000
      000000 000000 000000 000000  000005 025300  000003 023760  000012 105526  000000 106045  000000 000020  000000 000074
```

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 17 - PA TEST & DUMP

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 119	158	159	160
WATER LEVELS (A)	04 MAR 82		FT	200.3	199.2	198.6	199.7
ARSENIC	17 FEB 82	.010	MGL	ND	ND	ND	ND
BARIUM	17 FEB 82	.1	MGL	ND	.5	ND	ND
CADMIUM	17 FEB 82	.005	MGL	ND	ND	ND	.005
CHROMIUM	17 FEB 82	.010	MGL	ND	.010	.010	ND
FLUORIDE	17 FEB 82	.10	MGL	.26	.30	.37	.39
LEAD	17 FEB 82	.010	MGL	ND	ND	ND	ND
MERCURY	17 FEB 82	.2	UGL	ND	ND	ND	ND
NO2+NO3 AS N	17 FEB 82	.05	MGL	84.00*	.10	.26	.09
SELENIUM	17 FEB 82	.005	MGL	ND	ND	ND	ND
SILVER	17 FEB 82	.01	MGL	ND	ND	ND	ND
ENDRIN	17 FEB 82	.04	UGL	ND	ND	ND	ND
LINDANE	17 FEB 82	.08	UGL	ND	ND	ND	ND
TOXAPHENE	17 FEB 82	1.6	UGL	ND	ND	ND	ND
METHOXYCHLOR	17 FEB 82	1.6	UGL	ND	ND	ND	ND
2,4-D	17 FEB 82	3.8	UGL	ND	ND	ND	ND
SILVEX	17 FEB 82	.5	UGL	ND	ND	ND	ND
GROSS ALPHA	17 FEB 82	4.69	PCL	3.06	ND	ND	ND
GROSS ALPHA	17 FEB 82	4.69	PCL	ND			
GROSS BETA	17 FEB 82	1.30	PCL	4.38	2.62	5.77	5.54
GROSS BETA	17 FEB 82	1.30	PCL	4.30			
CHLORIDE	17 FEB 82	1.0	MGL	22.6	ND	56.8	63.9
IRON	17 FEB 82	.03	MGL	ND	.06	ND	ND
MANGANESE	17 FEB 82	.01	MGL	.77#	5.30#	2.10#	2.30#
PHENOL	17 FEB 82	.01	MGL	ND	ND	ND	ND
SODIUM	17 FEB 82	1.	MGL	44.	24.	61.	83.
SULFATE	17 FEB 82	5.0	MGL	18.4	ND	26.1	21.5
PH(FIELD)	17 FEB 82		PH	6.9	6.7	7.1	7.1
PH(FIELD)	17 FEB 82		PH	6.9	6.7	7.1	7.1
PH(FIELD)	17 FEB 82		PH	6.9	6.7	7.2	7.1
PH(FIELD)	17 FEB 82		PH	6.9	6.7	7.1	7.1
SPEC COND	17 FEB 82	1.	UMC	560.	890.	893.	989.
SPEC COND	17 FEB 82	1.	UMC	560.	890.	892.	990.
SPEC COND	17 FEB 82	1.	UMC	560.	891.	893.	989.
SPEC COND	17 FEB 82	1.	UMC	560.	890.	894.	989.
TOC	17 FEB 82	1.0	MGL	3.0	8.0	8.0	5.0
TOC	17 FEB 82	1.0	MGL	3.0	8.0	8.0	5.0
TOC	17 FEB 82	1.0	MGL	3.0	8.0	8.0	5.0
TOC	17 FEB 82	1.0	MGL	3.0	8.0	8.0	5.0
TOX	17 FEB 82	10.	UGL	32. C	37. C	75. C	32. C
TOX	17 FEB 82	10.	UGL	65. C	ND	57. C	ND
TOX	17 FEB 82	10.	UGL	52. C	ND	52. C	ND
TOX	17 FEB 82	10.	UGL	19. C	ND	42. C	25. C

INCLOSURE 4

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 17 - PA TEST & DUMP

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

A VALUES SHOWN ARE FOR WATER LEVEL ELEVATION ABOVE A REFERENCE DATUM
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD
# VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER REGULATION CRITERIA

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

PRINTED ON A US GOVERNMENT COPIER -4

Incl 5 to Incl 1

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 20A - BURN/DEMO/STOR

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 120	B 121	B 123	161	162	163	164
WATER LEVELS (A)	04 MAR 82		FT	198.9	200.2	200.2	202.7	202.8	201.3	200.4
ARSENIC	02 FEB 82	.010	MGL	ND	.018	ND				
ARSENIC	03 FEB 82	.010	MGL				ND	ND	ND	ND
ARSENIC	10 FEB 82	.010	MGL	ND	ND					
BARIUM	02 FEB 82	.1	MGL	ND	ND	ND				
BARIUM	03 FEB 82	.1	MGL				.5	.3	.5	.4
BARIUM	10 FEB 82	.1	MGL	ND	ND					
CADMIUM	02 FEB 82	.005	MGL	ND	ND	ND				
CADMIUM	03 FEB 82	.005	MGL				ND	ND	ND	ND
CADMIUM	10 FEB 82	.005	MGL	ND	ND					
CHROMIUM	02 FEB 82	.010	MGL	.020	ND	ND				
CHROMIUM	03 FEB 82	.010	MGL				ND	ND	ND	ND
CHROMIUM	10 FEB 82	.010	MGL	ND	ND					
FLUORIDE	02 FEB 82	.10	MGL	.23	.31	.20				
FLUORIDE	03 FEB 82	.10	MGL				.17	.16	.20	.17
FLUORIDE	10 FEB 82	.10	MGL	.18	.24					
LEAD	02 FEB 82	.010	MGL	ND	ND	ND				
LEAD	03 FEB 82	.010	MGL				ND	ND	ND	ND
LEAD	10 FEB 82	.010	MGL	ND	ND					
MERCURY	02 FEB 82	.2	UGL	ND	ND	ND				
MERCURY	03 FEB 82	.2	UGL				ND	ND	ND	ND
MERCURY	10 FEB 82	.2	UGL	ND	ND					
NO2+NO3 AS N	02 FEB 82	.05	MGL	28.20*	.20	.10				
NO2+NO3 AS N	03 FEB 82	.05	MGL				.22	ND	ND	ND
NO2+NO3 AS N	10 FEB 82	.05	MGL	.15	.13					
SELENIUM	02 FEB 82	.005	MGL	ND	ND	ND				
SELENIUM	03 FEB 82	.005	MGL				ND	ND	ND	NL
SELENIUM	10 FEB 82	.005	MGL	ND	ND					
SILVER	02 FEB 82	.01	MGL	ND	ND	ND				
SILVER	03 FEB 82	.01	MGL				ND	ND	ND	ND
SILVER	10 FEB 82	.01	MGL	ND	ND					
ENDRIN	02 FEB 82	.04	UGL	ND	ND	ND				
ENDRIN	03 FEB 82	.04	UGL				ND	ND	ND	ND
ENDRIN	10 FEB 82	.04	UGL	ND	ND					
LINDANE	02 FEB 82	.08	UGL	ND	ND	ND				
LINDANE	03 FEB 82	.08	UGL				ND	ND	ND	ND
LINDANE	10 FEB 82	.08	UGL	ND	ND					
TOXAPHENE	02 FEB 82	1.6	UGL	ND	ND	ND				
TOXAPHENE	03 FEB 82	1.6	UGL				ND	ND	ND	ND
TOXAPHENE	10 FEB 82	1.6	UGL	ND	ND					

INCLOSURE 5

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 20A - BURN/DEMO/STOR

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 120	B 121	B 123	161	162	163	164
METHOXYCHLOR	02 FEB 82	1.6	UGL	ND	ND	ND				
METHOXYCHLOR	03 FEB 82	1.6	UGL				ND	ND	ND	ND
METHOXYCHLOR	10 FEB 82	1.6	UGL	ND	ND					
2,4-D	02 FEB 82	3.8	UGL	ND	ND	ND				
2,4-D	03 FEB 82	3.8	UGL				ND	ND	ND	ND
2,4-D	10 FEB 82	3.8	UGL	ND	ND					
SILVEX	02 FEB 82	.5	UGL	ND	ND	ND				
SILVEX	03 FEB 82	.5	UGL				.8 C	ND	ND	ND
SILVEX	10 FEB 82	.5	UGL	ND	ND					
GROSS ALPHA	02 FEB 82	1.30	PCL	ND	ND	ND				
GROSS ALPHA	03 FEB 82	4.48	PCL				ND	ND	ND	ND
GROSS ALPHA	10 FEB 82	2.74	PCL	ND	ND					
GROSS BETA	02 FEB 82	1.30	PCL	16.00	63.10*	2.86				
GROSS BETA	03 FEB 82	1.30	PCL				13.10	6.79	5.56	4.26
GROSS BETA	10 FEB 82	1.30	PCL	14.20	59.20*					
CHLORIDE	02 FEB 82	1.0	MGL	58.8	24.9	82.5				
CHLORIDE	03 FEB 82	1.0	MGL				95.2	120.0	330.0#	46.6
CHLORIDE	10 FEB 82	1.0	MGL	67.7	27.5					
IRON	02 FEB 82	.03	MGL	.16	.06	2.45#				
IRON	03 FEB 82	.03	MGL				ND	.07	ND	ND
IRON	10 FEB 82	.03	MGL	ND	.06					
MANGANESE	02 FEB 82	.01	MGL	.30#	ND	1.07#				
MANGANESE	03 FEB 82	.01	MGL				2.40#	.70#	1.08#	2.90#
MANGANESE	10 FEB 82	.01	MGL	.38#	ND					
PHENOL	02 FEB 82	.01	MGL	.04	.03	.02				
PHENOL	03 FEB 82	.01	MGL				ND	ND	.01	ND
PHENOL	10 FEB 82	.01	MGL	.02	.03					
SODIUM	02 FEB 82	1.	MGL	96.	102.	83.				
SODIUM	03 FEB 82	1.	MGL				95.	136.	166.	32.
SODIUM	10 FEB 82	1.	MGL	83.	64.					
SULFATE	02 FEB 82	5.0	MGL	45.8	20.1	16.2				
SULFATE	03 FEB 82	5.0	MGL				24.3	4.2	3.8	4.9
SULFATE	10 FEB 82	5.0	MGL	45.8	15.1					
PH(FIELD)	02 FEB 82		PH	8.6#	10.6#	7.1				
PH(FIELD)	02 FEB 82		PH	8.6#	10.7#	7.1				
PH(FIELD)	02 FEB 82		PH	8.6#	10.7#	7.0				
PH(FIELD)	02 FEB 82		PH	8.5	10.6#	7.1				
PH(FIELD)	03 FEB 82		PH				7.4	7.6	7.4	7.0
PH(FIELD)	03 FEB 82		PH				7.5	7.7	7.4	7.0
PH(FIELD)	03 FEB 82		PH				7.5	7.6	7.4	7.0
PH(FIELD)	03 FEB 82		PH				7.5	7.6	7.4	7.0

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 20A - BURN/DEMO/STOR

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 120	B 121	B 123	161	162	163	164
PH(FIELD)	10 FEB 82		PH	7.1	9.7#					
PH(FIELD)	10 FEB 82		PH	7.1	9.7#					
PH(FIELD)	10 FEB 82		PH	7.1	9.6#					
PH(FIELD)	10 FEB 82		PH	7.1	9.6#					
SPEC COND	02 FEB 82	1.	UMC	745.	690.	518.				
SPEC COND	02 FEB 82	1.	UMC	745.	689.	519.				
SPEC COND	02 FEB 82	1.	UMC	745.	688.	512.				
SPEC COND	02 FEB 82	1.	UMC	740.	688.	510.				
SPEC COND	03 FEB 82	1.	UMC				1773.	2300.	2110.	1630.
SPEC COND	03 FEB 82	1.	UMC				1775.	2300.	2105.	1630.
SPEC COND	03 FEB 82	1.	UMC				1770.	2300.	2107.	1630.
SPEC COND	03 FEB 82	1.	UMC				1770.	2300.	2105.	1630.
SPEC COND	10 FEB 82	1.	UMC	690.	550.					
SPEC COND	10 FEB 82	1.	UMC	693.	550.					
SPEC COND	10 FEB 82	1.	UMC	689.	545.					
SPEC COND	10 FEB 82	1.	UMC	690.	550.					
TOC	02 FEB 82	1.0	MGL	5.0	5.0	6.0				
TOC	02 FEB 82	1.0	MGL	6.0	5.0	6.0				
TOC	02 FEB 82	1.0	MGL	5.0	5.0	6.0				
TOC	02 FEB 82	1.0	MGL	6.0	5.0	6.0				
TOC	03 FEB 82	1.0	MGL				10.0	13.0	10.0	7.0
TOC	03 FEB 82	1.0	MGL				10.0	13.0	10.0	7.0
TOC	03 FEB 82	1.0	MGL				11.0	14.0	10.0	7.0
TOC	03 FEB 82	1.0	MGL				10.0	13.0	10.0	7.0
TOC	10 FEB 82	1.0	MGL	2.0	2.0					
TOC	10 FEB 82	1.0	MGL	2.0	2.0					
TOC	10 FEB 82	1.0	MGL	2.0	2.0					
TOC	10 FEB 82	1.0	MGL	1.0	2.0					
TOX	02 FEB 82	10.	UGL	ND	11. C	30. C				
TOX	02 FEB 82	10.	UGL	ND	ND	39. C				
TOX	02 FEB 82	10.	UGL	ND	15. C	41. C				
TOX	02 FEB 82	10.	UGL	ND	ND	46. C				
TOX	03 FEB 82	10.	UGL				36. C	50. C	100. C	37. C
TOX	03 FEB 82	10.	UGL				72. C	32. C	110. C	34. C
TOX	03 FEB 82	10.	UGL				41. C	45. C	100. C	37. C
TOX	03 FEB 82	10.	UGL				45. C	55. C	120. C	57. C
TOX	10 FEB 82	10.	UGL	39. C	360. C					
TOX	10 FEB 82	10.	UGL	20. C	320. C					
TOX	10 FEB 82	10.	UGL	23. C	380. C					
TOX	10 FEB 82	10.	UGL	27. C	360. C					

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 30 APR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 20A - BURN/DEMO/STOR

LEGEND

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES.

A VALUES SHOWN ARE FOR WATER LEVEL ELEVATION ABOVE A REFERENCE DATUM
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE
* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD
# VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER REGULATION CRITERIA

MGL - MILLIGRAMS/LITER
UGL - MICROGRAMS/LITER
PCL - PICOCURIES/LITER
UMC - MICROMHOS/CENTIMETER
NTU - NEPHELOMETRIC TURBIDITY UNITS
TON - THRESHOLD ODOR NUMBER
TDN - TASTE DILUTION INDEX NUMBER
CU - COLOR UNITS
PHM - PER 100 MILLILITERS

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 27 - BZ POND

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS 8	154	155	156	157
ARSENIC	07 DEC 81	.010	MGL	ND	ND	ND	ND	ND
BARIUM	07 DEC 81	.1	MGL	.1	.1	.2	ND	ND
CADMIUM	07 DEC 81	.005	MGL	ND	ND	ND	ND	ND
CHROMIUM	07 DEC 81	.010	MGL	.010	.010	ND	ND	.060 *
FLUORIDE	07 DEC 81	.10	MGL	.50	.50	.38	.18	.10
LEAD	07 DEC 81	.010	MGL	.050	.050	.040	ND	ND
MERCURY	07 DEC 81	.2	UGL	ND	ND	ND	ND	ND
NO2+NO3 AS N	07 DEC 81	.05	MGL	.09	.09	14.50	1.90	.16
SELENIUM	07 DEC 81	.005	MGL	ND	ND	ND	ND	ND
SILVER	07 DEC 81	.01	MGL	ND	ND	ND	ND	ND
ENDRIN	07 DEC 81	.04	UGL	ND	ND	ND	ND	ND
LINDANE	07 DEC 81	.08	UGL	ND	ND	ND	ND	ND
TOXAPHENE	07 DEC 81	1.6	UGL	ND	ND	ND	ND	ND
METHOXYCHLOR	07 DEC 81	1.6	UGL	ND	ND	ND	ND	ND
2,4-D	07 DEC 81	3.8	UGL	ND	ND	ND	ND	ND
SILVEX	07 DEC 81	.5	UGL	ND	ND	ND	ND	ND
GROSS ALPHA	07 DEC 81	2.15	PCL	ND	ND	ND	ND	1.67
GROSS BETA	07 DEC 81	1.30	PCL	3.48	3.48	7.74	2.32	2.70
CHLORIDE	07 DEC 81	1.0	MGL	14.8	14.8	47.5	22.4	33.6
IRON	07 DEC 81	.03	MGL	1.78 *	1.78 *	5.80 *	.15	6.70 *
MANGANESE	07 DEC 81	.01	MGL	.17 *	.17 *	.22 *	.78 *	.02
PHENOL	07 DEC 81	.01	MGL	.01	.01	.08	.02	.01
SODIUM	07 DEC 81	1.	MGL	108.	108.	220.	63.	33.
SULFATE	07 DEC 81	5.0	MGL	55.7	55.7	52.9	110.0	6.1
PH(FIELD)	07 DEC 81		PH	7.3	7.3	7.8	6.7	6.7
PH(FIELD)	07 DEC 81		PH	7.5	7.5	7.8	6.7	6.7
PH(FIELD)	07 DEC 81		PH	7.5	7.5	7.9	6.5	6.7
PH(FIELD)	07 DEC 81		PH	7.4	7.4	7.8	6.7	6.6
SPEC COND	07 DEC 81	1.	UMC	700.	700.	880.	610.	224.
SPEC COND	07 DEC 81	1.	UMC	690.	690.	880.	620.	225.
SPEC COND	07 DEC 81	1.	UMC	700.	700.	880.	620.	225.
SPEC COND	07 DEC 81	1.	UMC	700.	700.	870.	620.	226.
TOC	07 DEC 81	1.0	MGL	5.0	5.0	6.0	16.0	3.0
TOC	07 DEC 81	1.0	MGL	5.0	5.0	6.0	16.0	3.0
TOC	07 DEC 81	1.0	MGL	5.0	5.0	6.0	16.0	3.0
TOC	07 DEC 81	1.0	MGL	5.0	5.0	6.0	16.0	3.0

Incl 1

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 27 - BZ POND

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 154	155	156	157
TOX	07 DEC 81	10.	UGL	ND	103.C	ND	12.C
TOX	07 DEC 81	10.	UGL	ND	25.C	ND	ND
TOX	07 DEC 81	10.	UGL	ND	80.C	ND	ND
TOX	07 DEC 81	10.	UGL	ND	82.C	ND	ND

LEGEND
NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES; TRAILING ZEROES DO NOT ALWAYS INDICATE SIGNIFICANCE, BUT ARE THE RESULTS OF COMPUTER FORMATTING.
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE

* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD

VALUE EXCEEDS A NATIONAL SECOUNDARY DRINKING WATER CRITERIA

2

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 24 - THERMITE DISPOSAL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 152	150	151	153
ARSENIC	01 DEC 81	.010	MGL	ND	ND	ND	ND
BARIUM	01 DEC 81	.1	MGL	ND	ND	ND	ND
CADMIUM	01 DEC 81	.005	MGL	ND	ND	ND	ND
CHROMIUM	01 DEC 81	.010	MGL	.020	.020	.010	.010
FLUORIDE	01 DEC 81	.10	MGL	.18	.25	.12	.10
LEAD	01 DEC 81	.010	MGL	.150 *	.140 *	.180 *	.140 *
MERCURY	01 DEC 81	.2	MGL	ND	ND	ND	ND
NO2+NO3 AS N	01 DEC 81	.05	MGL	4.40	ND	2.20	.05
SELENIUM	01 DEC 81	.005	MGL	ND	ND	ND	ND
SILVER	01 DEC 81	.01	MGL	ND	ND	ND	ND
ENDRIN	01 DEC 81	.04	UGL	ND	ND	ND	ND
LINDANE	01 DEC 81	.08	UGL	ND	ND	ND	ND
TOXAPHENE	01 DEC 81	1.6	UGL	ND	ND	ND	ND
METHOXYCHLOR	01 DEC 81	1.6	UGL	ND	ND	ND	ND
2,4-D	01 DEC 81	3.8	UGL	ND	ND	ND	ND
SILVEX	01 DEC 81	.5	UGL	ND	ND	ND	ND
GROSS ALPHA	01 DEC 81	1.30	PCL	7.46	7.18	3.53	4.77
GROSS BETA	01 DEC 81	1.30	PCL	9.21	7.33	10.90	3.33
CHLORIDE	01 DEC 81	1.0	MGL	26.0	33.6	9.9	22.4
IRON	01 DEC 81	.03	MGL	9.40 *#	13.00 *#	7.90 *#	7.20 *#
MANGANESE	01 DEC 81	.01	MGL	.33 *#	.38 *#	.64 *#	.18 *#
PHENOL	01 DEC 81	.01	MGL	.14	.02	.08	.02
SODIUM	01 DEC 81	1.	MGL	45.	62.	39.	21.
SULFATE	01 DEC 81	5.0	MGL	16.0	27.0	20.9	7.2
PH(FIELD)	01 DEC 81		PH	7.4	7.8	6.6	6.9
PH(FIELD)	01 DEC 81		PH	7.4	7.8	6.7	6.8
PH(FIELD)	01 DEC 81		PH	7.5	7.9	6.5	6.9
PH(FIELD)	01 DEC 81		PH	7.5	7.8	6.6	6.9
SPEC COND	01 DEC 81	1.	UMC	510.	500.	390.	270.
SPEC COND	01 DEC 81	1.	UMC	520.	500.	390.	270.
SPEC COND	01 DEC 81	1.	UMC	510.	500.	390.	270.
SPEC COND	01 DEC 81	1.	UMC	520.	500.	380.	270.
TOC	01 DEC 81	1.0	MGL	7.8	10.2	37.6	2.4
TOC	01 DEC 81	1.0	MGL	8.3	10.4	38.5	2.3
TOC	01 DEC 81	1.0	MGL	8.0	10.4	37.5	2.5
TOC	01 DEC 81	1.0	MGL	8.0	10.1	38.5	2.4

3

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 24 - THERMITE DISPOSAL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 152	150	151	153
TOX	01 DEC 81	10.	UGL	31.C	14.C	33.C	21.C
TOX	01 DEC 81	10.	UGL	43.C	ND	21.C	46.C
TOX	01 DEC 81	10.	UGL	28.C	23.C	44.C	29.C
TOX	01 DEC 81	10.	UGL	ND	ND	56.C	ND.

LEGEND
NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES; TRAILING ZEROES DO NOT ALWAYS INDICATE SIGNIFICANCE, BUT ARE THE RESULTS OF COMPUTER FORMATTING.
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE

* VALUE EXCEEDS A NATIONAL INTERIM DRINKING WATER REGULATION STANDARD.

VALUE EXCEEDS A NATIONAL SECOUNDARY DRINKING WATER REGULATION CRITERIA.

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 11C - SRB-3

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 126	127	128
ARSENIC	14 DEC 81	.010	MGL			ND
ARSENIC	19 JAN 82	.010	MGL	.130 *	.015	ND
BARIUM	14 DEC 81	.1	MGL			ND
BARIUM	19 JAN 82	.1	MGL	ND	ND	ND
CADMIUM	14 DEC 81	.005	MGL			ND
CADMIUM	19 JAN 82	.005	MGL	ND	ND	ND
CHROMIUM	14 DEC 81	.010	MGL			.020
CHROMIUM	19 JAN 82	.100	MGL	.100 *	ND	ND
FLUORIDE	14 DEC 81	.10	MGL			.48
FLUORIDE	19 JAN 82	.10	MGL	.27	.30	.48
LEAD	14 DEC 81	.010	MGL			.027
LEAD	19 JAN 82	.010	MGL	ND	ND	ND
MERCURY	14 DEC 81	.2	UGL			ND
MERCURY	19 JAN 82	.2	UGL	ND	ND	ND
NO2+NO3 AS N	14 DEC 81	.05	MGL			ND
NO2+NO3 AS N	19 JAN 82	.05	MGL	49.50 *	1.10	.08
SELENIUM	14 DEC 81	.005	MGL			ND
SELENIUM	19 JAN 82	.005	MGL	.020 *	.005	.007
SILVER	14 DEC 81	.01	MGL			ND
SILVER	19 JAN 82	.01	MGL	ND	ND	.01
ENDRIN	14 DEC 81	.04	UGL			ND
ENDRIN	19 JAN 82	.04	UGL	ND	ND	ND
LINDANE	14 DEC 81	.08	UGL			ND
LINDANE	19 JAN 82	.08	UGL	ND	ND	ND
TOXAPHENE	14 DEC 81	1.6	UGL			ND
TOXAPHENE	19 JAN 82	1.6	UGL	ND	ND	ND
METHOXYCHLOR	14 DEC 81	1.6	UGL			ND
METHOXYCHLOR	19 JAN 82	1.6	UGL	ND	ND	ND
2,4-D	14 DEC 81	3.8	UGL			ND
2,4-D	19 JAN 82	3.8	UGL	ND	ND	ND
SILVEX	14 DEC 81	.5	UGL			ND
SILVEX	19 JAN 82	.5	UGL	ND	ND	ND
GROSS ALPHA	14 DEC 81	1.30	PCL			66.90
GROSS ALPHA	19 JAN 82	12.40	PCL	ND	ND	ND
GROSS BETA	14 DEC 81	1.30	PCL			21.40
GROSS BETA	19 JAN 82	1.30	PCL	7.64	2.13	8.57
CHLORIDE	14 DEC 81	1.0	MGL			653.0 #
CHLORIDE	19 JAN 82	1.0	MGL	150.0	94.1	610.0 #
IRON	14 DEC 81	.03	MGL			.21
IRON	19 JAN 82	.03	MGL	7.30 #	.10	3.40 #
MANGANESE	14 DEC 81	.01	MGL			3.20 #

WES63

5

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 11C - SRB-3

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 126	127	128	WES63
MANGANESE	19 JAN 82	.01	MGL	3.90 *	1.82 *	5.30 *	
PHENOL	14 DEC 81	.01	MGL			.21	
PHENOL	19 JAN 82	.01	MGL	.08	.04	.03	
SODIUM	14 DEC 81	1.	MGL			432. *	
SODIUM	19 JAN 82	1.	MGL	350. *	182.	712. *	
SULFATE	14 DEC 81	5.0	MGL			1430.0 *	
SULFATE	19 JAN 82	5.0	MGL	1070.0 *	210.0	1370.0 *	
PH(FIELD)	14 DEC 81		PH			7.0	
PH(FIELD)	14 DEC 81		PH			7.0	
PH(FIELD)	14 DEC 81		PH			7.0	
PH(FIELD)	14 DEC 81		PH			6.9	
PH(FIELD)	19 JAN 82		PH	6.8	7.2	7.3	
PH(FIELD)	19 JAN 82		PH	6.9	7.1	7.3	
PH(FIELD)	19 JAN 82		PH	6.9	7.1	7.3	
PH(FIELD)	19 JAN 82		PH	6.8	7.1	7.3	
SPEC COND	14 DEC 81	1.	UMC			4150.	
SPEC COND	14 DEC 81	1.	UMC			4150.	
SPEC COND	14 DEC 81	1.	UMC			4100.	
SPEC COND	14 DEC 81	1.	UMC			4200.	
SPEC COND	19 JAN 82	1.	UMC	2550.	101.	4160.	
SPEC COND	19 JAN 82	1.	UMC	2550.	101.	4150.	
SPEC COND	19 JAN 82	1.	UMC	2540.	101.	4150.	
SPEC COND	19 JAN 82	1.	UMC	2550.	101.	4150.	
TOC	14 DEC 81	1.0	MGL			8.0	
TOC	14 DEC 81	1.0	MGL			8.0C	
TOC	14 DEC 81	1.0	MGL			8.0C	
TOC	14 DEC 81	1.0	MGL			8.0C	
TOC	19 JAN 82	1.0	MGL	9.0	5.0	9.0	
TOC	19 JAN 82	1.0	MGL	9.0	5.0	9.0	
TOC	19 JAN 82	1.0	MGL	9.0	5.0	9.0	
TOC	19 JAN 82	1.0	MGL	8.0	5.0	9.0	
TOX	14 DEC 81	10.	UGL			83.C	
TOX	14 DEC 81	10.	UGL			56.C	
TOX	14 DEC 81	10.	UGL			82.C	
TOX	14 DEC 81	10.	UGL			82.C	

PRINTED ON A US GOVERNMENT COPIER -4

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 11C - SRB-3

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 126	127	128	WES63
TOX	19 JAN 82	10.	UGL	87.C	53.C	107.C	
TOX	19 JAN 82	10.	UGL	105.C	47.C	129.C	
TOX	19 JAN 82	10.	UGL	98.C	85.C	101.C	
TOX	19 JAN 82	10.	UGL	110.C	83.C	101.C	

LEGEND
NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES; TRAILING ZEROES DO NOT ALWAYS INDICATE SIGNIFICANCE, BUT ARE THE RESULTS OF COMPUTER FORMATTING.
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE

* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD.

VALUE EXCEEDS A NATIONAL SECOUNDARY DRINKING WATER REGULATION CRITERIA.

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 10 - BOMB MAT & DISP

SAMPLING SITES RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	B 145	136	137	138	139	140	141
ARSENIC	04 JAN 82	.010	MGL	ND						ND
ARSENIC	05 JAN 82	.010	MGL		ND	ND	ND	ND	ND	
BARIUM	04 JAN 82	.1	MGL	ND						ND
BARIUM	05 JAN 82	.1	MGL		ND	ND	.4	.2	ND	
CADMIUM	04 JAN 82	.005	MGL	ND						ND
CADMIUM	05 JAN 82	.005	MGL		ND	ND	ND	ND	ND	
CHROMIUM	04 JAN 82	.010	MGL	.020						ND
CHROMIUM	05 JAN 82	.010	MGL		ND	ND	ND	ND	ND	
FLUORIDE	04 JAN 82	.10	MGL	.21						.24
FLUORIDE	05 JAN 82	.10	MGL		.18	.28	.27	.22	.35	
LEAD	04 JAN 82	.010	MGL	ND						ND
LEAD	05 JAN 82	.010	MGL		ND	ND	ND	ND	ND	
MERCURY	04 JAN 82	.2	UGL	ND						ND
MERCURY	05 JAN 82	.2	UGL		ND	ND	ND	ND	ND	
NO2+NO3 AS N	04 JAN 82	.05	MGL	16.80 *						ND
NO2+NO3 AS N	05 JAN 82	.05	MGL		ND	1.10	ND	ND	ND	
SELENIUM	04 JAN 82	.005	MGL	ND						ND
SELENIUM	05 JAN 82	.005	MGL		ND	ND	ND	ND	ND	
SILVER	04 JAN 82	.01	MGL	ND						ND
SILVER	05 JAN 82	.01	MGL		ND	ND	ND	ND	ND	
ENDRIN	04 JAN 82	.04	UGL	ND						ND
ENDRIN	05 JAN 82	.04	UGL		ND	ND	ND	ND	ND	
LINDANE	04 JAN 82	.08	UGL	ND						ND
LINDANE	05 JAN 82	.08	UGL		ND	ND	ND	ND	ND	
TOXAPHENE	04 JAN 82	1.6	UGL	ND						ND
TOXAPHENE	05 JAN 82	1.6	UGL		ND	ND	ND	ND	ND	
METHOXYCHLOR	04 JAN 82	1.6	UGL	ND						ND
METHOXYCHLOR	05 JAN 82	1.6	UGL		ND	ND	ND	ND	ND	
2,4-D	04 JAN 82	3.8	UGL	ND						ND
2,4-D	05 JAN 82	3.8	UGL		ND	ND	ND	ND	ND	
SILVEX	04 JAN 82	.5	UGL	ND						ND
SILVEX	05 JAN 82	.5	UGL		ND	ND	ND	ND	ND	
GROSS ALPHA	04 JAN 82	2.36	PCL	ND						1.46
GROSS ALPHA	05 JAN 82	5.06	PCL		ND	ND	3.22	ND	ND	
GROSS BETA	04 JAN 82	1.30	PCL	5.09						5.35
GROSS BETA	05 JAN 82	1.51	PCL		10.00	ND	3.50	2.83	10.00	
CHLORIDE	04 JAN 82	1.0	MGL	39.3						24.7
CHLORIDE	05 JAN 82	1.0	MGL		148.0	14.6	125.0	214.0	108.0	
IRON	04 JAN 82	.03	MGL	.63 #						ND
IRON	05 JAN 82	.03	MGL		ND	ND	5.60 #	.75 #	ND	
MANGANESE	04 JAN 82	.01	MGL	2.81 #						.65 #

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 10 - BOMB MAT & DISP

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	B 145	SAMPLING SITES RESULTS 136	137	138	139	140	141
MANGANESE	05 JAN 82	.01	MGL		2.30 #/#	.29 #/#	2.54 #/#	1.50 #/#	2.55 #/#	
PHENOL	04 JAN 82	.01	MGL	.10						.04
PHENOL	05 JAN 82	.01	MGL		.05	.03	.03	.03	.03	
SODIUM	04 JAN 82	1.	MGL	38.						19.
SODIUM	05 JAN 82	1.	MGL		214.	53.	43.	81.	152.	
SULFATE	04 JAN 82	5.0	MGL	29.7						18.8
SULFATE	05 JAN 82	5.0	MGL		111.0	60.4	12.1	51.1	81.4	
PH(FIELD)	04 JAN 82		PH	6.8				7.0		7.0
PH(FIELD)	04 JAN 82		PH	6.8				6.9		7.0
PH(FIELD)	04 JAN 82		PH	6.8				6.9		6.9
PH(FIELD)	04 JAN 82		PH	6.8				6.9		6.9
PH(FIELD)	05 JAN 82		PH		7.1	7.1	6.3		6.9	
PH(FIELD)	05 JAN 82		PH		7.1	7.1	6.4		6.9	
PH(FIELD)	05 JAN 82		PH		7.1	7.1	6.4		6.8	
PH(FIELD)	05 JAN 82		PH		7.1	7.1	6.4		6.9	
SPEC COND	04 JAN 82	1.	UMC	550.						400.
SPEC COND	04 JAN 82	1.	UMC	550.						400.
SPEC COND	04 JAN 82	1.	UMC	550.						400.
SPEC COND	04 JAN 82	1.	UMC	550.						400.
SPEC COND	05 JAN 82	1.	UMC		1350.	410.	900.	1300.	1250.	
SPEC COND	05 JAN 82	1.	UMC		1350.	410.	900.	1300.	1250.	
SPEC COND	05 JAN 82	1.	UMC		1350.	410.	900.	1300.	1250.	
SPEC COND	05 JAN 82	1.	UMC		1350.	410.	900.	1300.	1250.	
TOC	04 JAN 82	1.0	MGL	10.0						5.0
TOC	04 JAN 82	1.0	MGL	10.0						5.0
TOC	04 JAN 82	1.0	MGL	10.0						5.0
TOC	04 JAN 82	1.0	MGL	10.0						5.0
TOC	05 JAN 82	1.0	MGL		11.0	5.0	3.0	3.0	14.0	
TOC	05 JAN 82	1.0	MGL		11.0	5.0	3.0	3.0	14.0	
TOC	05 JAN 82	1.0	MGL		11.0	5.0	3.0	3.0	14.0	
TOC	05 JAN 82	1.0	MGL		12.0	5.0	3.0	3.0	14.0	
TOX	04 JAN 82	10.	UGL	138.C						52.C
TOX	04 JAN 82	10.	UGL	113.C						52.C
TOX	04 JAN 82	10.	UGL	87.C						42.C
TOX	04 JAN 82	10.	UGL	123.C						38.C

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 10 - BOMB MAT & DISP

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 145	136	137	138	139	140	141
TOX	05 JAN 82	10.	UGL		125.C	69.C	60.C	125.C	170.C	
TOX	05 JAN 82	10.	UGL		105.C	92.C	61.C	104.C	158.C	
TOX	05 JAN 82	10.	UGL		110.C	85.C	73.C	115.C	186.C	
TOX	05 JAN 82	10.	UGL		124.C	53.C	58.C	127.C	168.C	

LEGEND
NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES; TRAILING ZEROES DO NOT ALWAYS INDICATE SIGNIFICANCE, BUT ARE THE RESULTS OF COMPUTER FORMATTING.
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE

* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD.
# VALUE EXCEEDS A NATIONAL SECOUNDARY DRINKING WATER REGULATION CRITERIA.

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 10 - BOMB MAT & DISP

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS 142	143	144
ARSENIC	04 JAN 82	.010	MGL	ND	ND	ND
BARIUM	04 JAN 82	.1	MGL	ND	ND	.3
CADMIUM	04 JAN 82	.005	MGL	ND	ND	ND
CHROMIUM	04 JAN 82	.010	MGL	ND	ND	ND
FLUORIDE	04 JAN 82	.10	MGL	.35	.62	.22
LEAD	04 JAN 82	.010	MGL	ND	ND	ND
MERCURY	04 JAN 82	.2	UGL	ND	ND	ND
NO2+NO3 AS N	04 JAN 82	.05	MGL	ND	ND	ND
SELENIUM	04 JAN 82	.005	MGL	ND	ND	ND
SILVER	04 JAN 82	.01	MGL	ND	ND	ND
ENDRIN	04 JAN 82	.04	UGL	ND	ND	ND
LINDANE	04 JAN 82	.08	UGL	ND	ND	ND
TOXAPHENE	04 JAN 82	1.6	UGL	ND	ND	ND
METHOXYCHLOR	04 JAN 82	1.6	UGL	ND	ND	ND
2,4-D	04 JAN 82	3.8	UGL	ND	ND	ND
SILVEX	04 JAN 82	.5	UGL	ND	ND	ND
GROSS ALPHA	04 JAN 82	4.57	PCL	27.80	4.07	ND
GROSS BETA	04 JAN 82	1.30	PCL	54.20	3.05	4.57
CHLORIDE	04 JAN 82	1.0	MGL	93.2	96.5	169.0
IRON	04 JAN 82	.03	MGL	.04	ND	.85 #
MANGANESE	04 JAN 82	.01	MGL	.40 #	4.24 #	.54 #
PHENOL	04 JAN 82	.01	MGL	.04	.03	.03
SODIUM	04 JAN 82	1.	MGL	132.	84.	94.
SULFATE	04 JAN 82	5.0	MGL	87.4	62.9	61.2
PH(FIELD)	04 JAN 82		PH	7.6	7.0	7.0
PH(FIELD)	04 JAN 82		PH	7.5	7.0	7.0
PH(FIELD)	04 JAN 82		PH	7.5	6.9	7.0
PH(FIELD)	04 JAN 82		PH	7.4	7.0	6.9
SPEC COND	04 JAN 82	1.	UMC	990.	990.	1610.
SPEC COND	04 JAN 82	1.	UMC	990.	990.	1600.
SPEC COND	04 JAN 82	1.	UMC	990.	990.	1610.
SPEC COND	04 JAN 82	1.	UMC	990.	990.	1610.
TOC	04 JAN 82	1.0	MGL	10.0	9.0	11.0
TOC	04 JAN 82	1.0	MGL	10.0	9.0	11.0
TOC	04 JAN 82	1.0	MGL	10.0	10.0	11.0
TOC	04 JAN 82	1.0	MGL	10.0	9.0	11.0

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 10 - BOMB MAT & DISP

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS 142	143	144
TOX	04 JAN 82	10.	UGL	117.C	106.C	110.C
TOX	04 JAN 82	10.	UGL	98.C	105.C	111.C
TOX	04 JAN 82	10.	UGL	130.C	107.C	95.C
TOX	04 JAN 82	10.	UGL	107.C	103.C	120.C

LEGEND
NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES; TRAILING ZEROES DO NOT ALWAYS INDICATE SIGNIFICANCE, BUT ARE THE RESULTS OF COMPUTER FORMATTING.
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE

* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD.

VALUE EXCEEDS A NATIONAL SECOUNDARY DRINKING WATER REGULATION CRITERIA.

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 35 - NORTH OXID POND

SAMPLING SITES RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	B WES29	WES28	112	113	114
ARSENIC	15 DEC 81	.010	MGL	ND	ND	ND	ND	ND
ARSENIC	26 JAN 82	.010	MGL		.020			
BARIUM	15 DEC 81	.1	MGL	ND	ND	ND	ND	ND
BARIUM	26 JAN 82	.1	MGL		ND			
CADMIUM	15 DEC 81	.005	MGL	.005	ND	ND	ND	ND
CADMIUM	26 JAN 82	.005	MGL		ND			
CHROMIUM	15 DEC 81	.010	MGL	ND	ND	ND	ND	ND
CHROMIUM	26 JAN 82	.010	MGL		.010			
FLUORIDE	15 DEC 81	.10	MGL	.24	ND	ND	.17	.14
LEAD	15 DEC 81	.010	MGL	.027	.013	.032	ND	.022
LEAD	26 JAN 82	.010	MGL		ND			
MERCURY	15 DEC 81	.2	UGL	ND	ND	ND	ND	ND
MERCURY	26 JAN 82	.2	UGL		ND			
NO2+NO3 AS N	15 DEC 81	.05	MGL	4.20	.90	ND	ND	ND
NO2+NO3 AS N	26 JAN 82	.05	MGL		ND			
SELENIUM	15 DEC 81	.005	MGL	ND	ND	ND	ND	ND
SELENIUM	26 JAN 82	.005	MGL		ND			
SILVER	15 DEC 81	.01	MGL	ND	ND	ND	ND	ND
SILVER	26 JAN 82	.01	MGL		ND			
ENDRIN	15 DEC 81	.04	UGL	ND	ND	ND	ND	ND
ENDRIN	26 JAN 82	.04	UGL		ND			
LINDANE	15 DEC 81	.08	UGL	ND	ND	ND	ND	ND
LINDANE	26 JAN 82	.08	UGL		ND			
TOXAPHENE	15 DEC 81	1.6	UGL	ND	ND	ND	ND	ND
TOXAPHENE	26 JAN 82	1.3	UGL		ND			
METHOXYCHLOR	15 DEC 81	1.6	UGL	ND	ND	ND	ND	ND
METHOXYCHLOR	26 JAN 82	1.3	UGL		ND			
2,4-D	15 DEC 81	3.8	UGL	ND	ND	ND	ND	ND
2,4-D	26 JAN 82	3.8	UGL		ND			
SILVEX	15 DEC 81	.5	UGL	ND	ND	ND	ND	ND
SILVEX	26 JAN 82	.5	UGL		ND			
GROSS ALPHA	15 DEC 81	11.20	PCL	ND	8.88	ND	ND	ND
GROSS ALPHA	26 JAN 82	1.30	PCL		5.07			
GROSS BETA	15 DEC 81	1.30	PCL	6.65	14.60	14.20	2.86	17.20
GROSS BETA	26 JAN 82	1.30	PCL		10.30			
CHLORIDE	15 DEC 81	1.0	MGL	541.0 #/#	268.0 #/#	282.0 #/#	65.4	591.0 #/#
CHLORIDE	26 JAN 82	1.0	MGL		267.0 #/#			
IRON	15 DEC 81	.03	MGL	1.03 #/#	.10 #/#	4.30 #/#	.08	9.00 #/#
IRON	26 JAN 82	.03	MGL		1.40 #/#			
MANGANESE	15 DEC 81	.01	MGL	1.45 #/#	.27 #/#	2.80 #/#	.59 #/#	2.80 #/#
MANGANESE	26 JAN 82	.01	MGL		.29 #/#			

13

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 35 - NORTH OXID POND

SAMPLING SITES
RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	8 WES29	WES28	112	113	114
PHENOL	15 DEC 81	.01	MGL	.03	ND	ND	.11	ND
PHENOL	26 JAN 82	.01	MGL		.02			
SODIUM	15 DEC 81	1.	MGL	310. #	196.	338. #	46.	346. #
SODIUM	26 JAN 82	1.	MGL		196.			
SULFATE	15 DEC 81	5.0	MGL	668.0 #	270.0 #	1160.0 #	8.8	938.0 #
SULFATE	26 JAN 82	5.0	MGL		249.0			
PH(FIELD)	15 DEC 81		PH	5.3 #	5.0 #	6.3 #	7.1	6.7
PH(FIELD)	15 DEC 81		PH	5.3 #	5.1 #	6.3 #	7.1	6.7
PH(FIELD)	15 DEC 81		PH	5.3 #	5.1 #	6.2 #	7.1	6.8
PH(FIELD)	15 DEC 81		PH	5.3 #	5.0 #	6.3 #	6.9	6.6
PH(FIELD)	26 JAN 82		PH		5.4 #			
PH(FIELD)	26 JAN 82		PH		5.4 #			
PH(FIELD)	26 JAN 82		PH		5.4 #			
PH(FIELD)	26 JAN 82		PH		5.4 #			
SPEC COND	15 DEC 81	1.	UMC	3900.	1410.	3210.	520.	3240.
SPEC COND	15 DEC 81	1.	UMC	3900.	1410.	3210.	520.	3230.
SPEC COND	15 DEC 81	1.	UMC	3900.	1410.	3200.	520.	3250.
SPEC COND	15 DEC 81	1.	UMC	3900.	1410.	3210.	520.	3250.
SPEC COND	26 JAN 82	1.	UMC		1300.			
SPEC COND	26 JAN 82	1.	UMC		1300.			
SPEC COND	26 JAN 82	1.	UMC		1300.			
SPEC COND	26 JAN 82	1.	UMC		1300.			
TOC	15 DEC 81	1.0	MGL	6.0	4.0	8.0	2.0	5.0
TOC	15 DEC 81	1.0	MGL	6.0	4.0	8.0	2.0	5.0
TOC	15 DEC 81	1.0	MGL	7.0	4.0	8.0	2.0	5.0
TOC	15 DEC 81	1.0	MGL	6.0	4.0	8.0	2.0	5.0
TOC	26 JAN 82	1.0	MGL		5.0			
TOC	26 JAN 82	1.0	MGL		5.0			
TOC	26 JAN 82	1.0	MGL		5.0			
TOC	26 JAN 82	1.0	MGL		6.0			
TOX	15 DEC 81	10.	UGL	149.C	17.C	25.C	19.C	44.C
TOX	15 DEC 81	10.	UGL	63.C	27.C	22.C	17.C	38.C
TOX	15 DEC 81	10.	UGL	75.C	13.C	23.C	13.C	53.C
TOX	15 DEC 81	10.	UGL	54.C	17.C	31.C	16.C	42.C

14

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 35 - NORTH OXID POND

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B WES29	WES28	112	113	114
TOX	26 JAN 82	10.	UGL		52.C			
TOX	26 JAN 82	10.	UGL		65.C			
TOX	26 JAN 82	10.	UGL		35.C			
TOX	26 JAN 82	10.	UGL		56.C			

LEGEND
NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES; TRAILING ZEROES DO NOT ALWAYS INDICATE SIGNIFICANCE, BUT ARE THE RESULTS OF COMPUTER FORMATTING.
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE

* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD.

VALUE EXCEEDS A NATIONAL SECONDARY DRINKING WATER CRITERIA.

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7C - MUSTARD BURN YARD

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 135	132	133	134
ARSENIC	27 JAN 82	.010	MGL	.820 *			
ARSENIC	28 JAN 82	.010	MGL	3.310 *	ND	.031	ND
BARIUM	27 JAN 82	.1	MGL	ND			
BARIUM	28 JAN 82	.1	MGL	ND	ND	ND	ND
CADMIUM	27 JAN 82	.005	MGL	.008			
CADMIUM	28 JAN 82	.005	MGL	ND	ND	.012 *	ND
CHROMIUM	27 JAN 82	.010	MGL	ND			
CHROMIUM	28 JAN 82	.010	MGL	ND	ND	ND	ND
FLUORIDE	27 JAN 82	.10	MGL	.41			
FLUORIDE	28 JAN 82	.10	MGL	.42	.27	.17	1.00
LEAD	27 JAN 82	.010	MGL	.040			
LEAD	28 JAN 82	.010	MGL	.030	ND	.025	ND
MERCURY	27 JAN 82	.2	UGL	ND			
MERCURY	28 JAN 82	.2	UGL	.2	ND	ND	ND
NO2+NO3 AS N	27 JAN 82	.05	MGL	ND			
NO2+NO3 AS N	28 JAN 82	.05	MGL	ND	118.00 *	2.80	.29
SELENIUM	27 JAN 82	.005	MGL	ND			
SELENIUM	28 JAN 82	.005	MGL	ND	.024	ND	.007
SILVER	27 JAN 82	.01	MGL	.01			
SILVER	28 JAN 82	.01	MGL	.01	.02	.01	.01
ENDRIN	27 JAN 82	.04	UGL	ND			
ENDRIN	28 JAN 82	.04	UGL	ND	ND	ND	ND
LINDANE	27 JAN 82	.08	UGL	ND			
LINDANE	28 JAN 82	.08	UGL	ND	ND	ND	ND
TOXAPHENE	27 JAN 82	1.6	UGL	ND			
TOXAPHENE	28 JAN 82	1.6	UGL	ND	ND	ND	ND
METHOXYCHLOR	27 JAN 82	1.6	UGL	ND			
METHOXYCHLOR	28 JAN 82	1.6	UGL	ND	ND	ND	ND
2,4-D	27 JAN 82	3.8	UGL	ND			
2,4-D	28 JAN 82	3.8	UGL	ND	ND	ND	ND
SILVEX	27 JAN 82	.5	UGL	ND			
SILVEX	28 JAN 82	.5	UGL	ND	ND	ND	ND
GROSS ALPHA	27 JAN 82	14.10	PCL	ND			
GROSS ALPHA	28 JAN 82	14.30	PCL	ND	ND	ND	ND
GROSS BETA	27 JAN 82	1.30	PCL	5.16			
GROSS BETA	28 JAN 82	1.30	PCL	6.83	6.36	8.59	5.79
CHLORIDE	27 JAN 82	1.0	MGL	841.0 * #			
CHLORIDE	28 JAN 82	1.0	MGL	905.0 * #	556.0 * #	6040.0 * #	509.0 * #
IRON	27 JAN 82	.03	MGL	13.30 * #			
IRON	28 JAN 82	.03	MGL	13.30 * #	10.30 * #	1.70 * #	.75 * #
MANGANESE	27 JAN 82	.01	MGL	5.60 * #			

PRINTED ON A US GOVERNMENT COPIER -4

16

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7C - MUSTARD BURN YARD

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 135	132	133	134
MANGANESE	28 JAN 82	.01	MGL	5.90 #	4.20 #	4.20 #	5.00 #
PHENOL	27 JAN 82	.01	MGL	.06			
PHENOL	28 JAN 82	.01	MGL	.08	.10	.20	.07
SODIUM	27 JAN 82	1.	MGL	694. #			
SODIUM	28 JAN 82	1.	MGL	678. #	712. #	498. #	462. #
SULFATE	27 JAN 82	5.0	MGL	1174.0 #			
SULFATE	28 JAN 82	5.0	MGL	1206.0 #	1708.0 #	7160.0 #	1700.0 #
PH(FIELD)	27 JAN 82		PH	6.4 #			
PH(FIELD)	27 JAN 82		PH	6.3 #			
PH(FIELD)	27 JAN 82		PH	6.3 #			
PH(FIELD)	27 JAN 82		PH	6.3 #			
PH(FIELD)	28 JAN 82		PH	6.3 #	6.5	6.2 #	5.8 #
PH(FIELD)	28 JAN 82		PH	6.3 #	6.5	6.2 #	5.8 #
PH(FIELD)	28 JAN 82		PH	6.3 #	6.5	6.2 #	5.8 #
PH(FIELD)	28 JAN 82		PH	6.4 #	6.5	6.2 #	5.8 #
SPEC COND	27 JAN 82	1.	UMC	5000.			
SPEC COND	27 JAN 82	1.	UMC	4999.			
SPEC COND	27 JAN 82	1.	UMC	5000.			
SPEC COND	27 JAN 82	1.	UMC	5000.			
SPEC COND	28 JAN 82	1.	UMC	5040.	4770.	5620.	4140.
SPEC COND	28 JAN 82	1.	UMC	5050.	4770.	5600.	4150.
SPEC COND	28 JAN 82	1.	UMC	5050.	4770.	5610.	4145.
SPEC COND	28 JAN 82	1.	UMC	5050.	4750.	5620.	4140.
TOC	27 JAN 82	1.0	MGL	233.0			
TOC	27 JAN 82	1.0	MGL	233.0			
TOC	27 JAN 82	1.0	MGL	233.0			
TOC	27 JAN 82	1.0	MGL	233.0			
TOC	28 JAN 82	1.0	MGL	244.0	49.0	162.0	207.0
TOC	28 JAN 82	1.0	MGL	244.0	48.0	163.0	208.0
TOC	28 JAN 82	1.0	MGL	244.0	48.0	162.0	207.0
TOC	28 JAN 82	1.0	MGL	244.0	48.0	163.0	207.0
TOX	27 JAN 82	10.	UGL	520.C			
TOX	27 JAN 82	10.	UGL	720.C			
TOX	27 JAN 82	10.	UGL	610.C			
TOX	27 JAN 82	10.	UGL	580.C			

171

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7C - MUSTARD BURN YARD

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 135	132	133	134
TOX	28 JAN 82	10.	UGL	ND	350.C	240.C	93.C
TOX	28 JAN 82	10.	UGL	ND	440.C	280.C	50.C
TOX	28 JAN 82	10.	UGL	ND	420.C	210.C	48.C
TOX	28 JAN 82	10.	UGL	ND	460.C	260.C	110.C

END

NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES; TRAILING ZEROES DO NOT ALWAYS INDICATE SIGNIFICANCE, BUT ARE THE RESULTS OF COMPUTER FORMATTING.

B UPGRADIENT SITE

C RESULTS ARE FOR UNFILTERED SAMPLE

* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD.

VALUE EXCEEDS A NATIONAL SECOUNDARY DRINKING WATER REGULATION CRITERIA.

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7B - LEWISITE DISPOSAL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B WES62	128	129	130
ARSENIC	14 DEC 81	.010	MGL	ND	ND	ND	ND
ARSENIC	19 JAN 82	.010	MGL		ND		
ARSENIC	26 JAN 82	.010	MGL	.080 ¢			.050
BARIUM	14 DEC 81	.1	MGL	ND	ND	ND	ND
BARIUM	19 JAN 82	.1	MGL		ND		
BARIUM	26 JAN 82	.1	MGL	ND			ND
CADMIUM	14 DEC 81	.005	MGL	ND	ND	ND	ND
CADMIUM	19 JAN 82	.005	MGL		ND		
CADMIUM	26 JAN 82	.005	MGL	ND			ND
CHROMIUM	14 DEC 81	.010	MGL	ND	.020	ND	ND
CHROMIUM	19 JAN 82	.100	MGL		ND		
CHROMIUM	26 JAN 82	.010	MGL	ND			ND
FLUORIDE	14 DEC 81	.10	MGL	1.10	.48	.21	ND
FLUORIDE	19 JAN 82	.10	MGL		.48		
FLUORIDE	26 JAN 82	.10	MGL	1.20			ND
LEAD	14 DEC 81	.010	MGL	.040	.027	.023	.031
LEAD	19 JAN 82	.010	MGL		ND		
LEAD	26 JAN 82	.010	MGL	ND			ND
MERCURY	14 DEC 81	.2	UGL	ND	ND	ND	ND
MERCURY	19 JAN 82	.2	UGL		ND		
MERCURY	26 JAN 82	.2	UGL	ND			ND
NO2+NO3 AS N	14 DEC 81	.05	MGL	5.10	ND	ND	ND
NO2+NO3 AS N	19 JAN 82	.05	MGL		.08		
NO2+NO3 AS N	26 JAN 82	.05	MGL	.15			ND
SELENIUM	14 DEC 81	.005	MGL	ND	ND	.038 ✱	ND
SELENIUM	19 JAN 82	.005	MGL		.007		
SELENIUM	26 JAN 82	.005	MGL	ND			.010
SILVER	14 DEC 81	.01	MGL	ND	ND	ND	ND
SILVER	19 JAN 82	.01	MGL		.01		
SILVER	26 JAN 82	.01	MGL	ND			ND
ENDRIN	14 DEC 81	.04	UGL	ND	ND	ND	ND
ENDRIN	19 JAN 82	.04	UGL		ND		
ENDRIN	26 JAN 82	.04	UGL	ND			ND
LINDANE	14 DEC 81	.08	UGL	ND	ND	ND	ND
LINDANE	19 JAN 82	.08	UGL		ND		
LINDANE	26 JAN 82	.08	UGL	ND			ND
TOXAPHENE	14 DEC 81	1.6	UGL	ND	ND	ND	ND
TOXAPHENE	19 JAN 82	1.6	UGL		ND		
TOXAPHENE	26 JAN 82	1.3	UGL	ND			ND
METHOXYCHLOR	14 DEC 81	1.6	UGL	ND	ND	ND	ND
METHOXYCHLOR	19 JAN 82	1.6	UGL		ND		

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 78 - LEWISITE DISPOSAL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B WES62	128	129	130
METHOXYCHLOR	26 JAN 82	1.3	UGL	ND			ND
2,4-D	14 DEC 81	3.8	UGL	ND	ND	ND	ND
2,4-D	19 JAN 82	3.8	UGL		ND		
2,4-D	26 JAN 82	3.8	UGL	ND			ND
SILVEX	14 DEC 81	.5	UGL	ND	ND	ND	ND
SILVEX	19 JAN 82	.5	UGL		ND		
SILVEX	26 JAN 82	.5	UGL	ND			ND
GROSS ALPHA	14 DEC 81	11.40	PCL	ND	66.90	ND	ND
GROSS ALPHA	19 JAN 82	12.40	PCL		ND		
GROSS ALPHA	26 JAN 82	7.53	PCL	ND			ND
GROSS BETA	14 DEC 81	1.30	PCL	1.77	21.40	4.22	7.48
GROSS BETA	19 JAN 82	1.30	PCL		8.57		
GROSS BETA	26 JAN 82	1.99	PCL	ND			4.92
CHLORIDE	14 DEC 81	1.0	MGL	412.0 #	653.0 #	372.0 #	204.0
CHLORIDE	19 JAN 82	1.0	MGL		610.0 #		
CHLORIDE	26 JAN 82	1.0	MGL	385.0 #			214.0
IRON	14 DEC 81	.03	MGL	11.50 #	.21	1.77	.12
IRON	19 JAN 82	.03	MGL		3.40 #		
IRON	26 JAN 82	.03	MGL	6.30 #			31.60 #
MANGANESE	14 DEC 81	.01	MGL	1.37 #	3.20 #	2.20 #	.74 #
MANGANESE	19 JAN 82	.01	MGL		5.30 #		
MANGANESE	26 JAN 82	.01	MGL	1.48 #			.99 #
PHENOL	14 DEC 81	.01	MGL	.05	.21	.04	.03
PHENOL	19 JAN 82	.01	MGL		.03		
PHENOL	26 JAN 82	.01	MGL	.02			.02
SODIUM	14 DEC 81	1.	MGL	392. #	432. #	278. #	266.
SODIUM	19 JAN 82	1.	MGL		712. #		
SODIUM	26 JAN 82	1.	MGL	522. #			316. #
SULFATE	14 DEC 81	5.0	MGL	1090.0 #	1430.0 #	892.0 #	881.0 #
SULFATE	19 JAN 82	5.0	MGL		1370.0 #		
SULFATE	26 JAN 82	5.0	MGL	980.0 #			723.0 #
PH(FIELD)	14 DEC 81		PH	5.5 #	6.9	6.9	6.5
PH(FIELD)	14 DEC 81		PH	5.5 #	7.0	6.9	6.6
PH(FIELD)	14 DEC 81		PH	5.5 #	7.0	6.9	6.5
PH(FIELD)	14 DEC 81		PH	5.5 #	7.0	6.9	6.5
PH(FIELD)	19 JAN 82		PH		7.3		
PH(FIELD)	19 JAN 82		PH		7.3		
PH(FIELD)	19 JAN 82		PH		7.3		
PH(FIELD)	19 JAN 82		PH		7.3		
PH(FIELD)	26 JAN 82		PH	5.6 #			6.3 #
PH(FIELD)	26 JAN 82		PH	5.6 #			6.3 #
PH(FIELD)	26 JAN 82		PH	5.6 #			6.5
PH(FIELD)	26 JAN 82		PH	5.6 #			6.4 #

PRINTED ON A US GOVERNMENT COPIER -4

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7B - LEWISITE DISPOSAL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B WES62	128	129	130
SPEC COND	14 DEC 81	1.	UMC	3200.	4150.	2800.	2310.
SPEC COND	14 DEC 81	1.	UMC	3200.	4150.	2800.	2300.
SPEC COND	14 DEC 81	1.	UMC	3190.	4100.	2800.	2300.
SPEC COND	14 DEC 81	1.	UMC	3200.	4200.	2800.	2300.
SPEC COND	19 JAN 82	1.	UMC		4160.		
SPEC COND	19 JAN 82	1.	UMC		4150.		
SPEC COND	19 JAN 82	1.	UMC		4150.		
SPEC COND	19 JAN 82	1.	UMC		4150.		
SPEC COND	26 JAN 82	1.	UMC	2950.			2250.
SPEC COND	26 JAN 82	1.	UMC	2950.			2250.
SPEC COND	26 JAN 82	1.	UMC	2940.			2250.
SPEC COND	26 JAN 82	1.	UMC	2950.			2249.
TOC	14 DEC 81	1.0	MGL	18.0	8.0	6.0	3.0
TOC	14 DEC 81	1.0	MGL	17.0	8.0C	6.0	3.0
TOC	14 DEC 81	1.0	MGL	17.0	8.0C	6.0	3.0
TOC	14 DEC 81	1.0	MGL	17.0	8.0C	6.0	3.0
TOC	19 JAN 82	1.0	MGL		9.0		
TOC	19 JAN 82	1.0	MGL		9.0		
TOC	19 JAN 82	1.0	MGL		9.0		
TOC	19 JAN 82	1.0	MGL		9.0		
TOC	26 JAN 82	1.0	MGL	15.0			5.0
TOC	26 JAN 82	1.0	MGL	15.0			5.0
TOC	26 JAN 82	1.0	MGL	15.0			5.0
TOC	26 JAN 82	1.0	MGL	15.0			5.0
TOX	14 DEC 81	10.	UGL	466.C	83.C	45.C	52.C
TOX	14 DEC 81	10.	UGL	507.C	56.C	88.C	47.C
TOX	14 DEC 81	10.	UGL	443.C	82.C	78.C	82.C
TOX	14 DEC 81	10.	UGL	471.C	82.C	91.C	38.C
TOX	19 JAN 82	10.	UGL		107.C		
TOX	19 JAN 82	10.	UGL		129.C		
TOX	19 JAN 82	10.	UGL		101.C		
TOX	19 JAN 82	10.	UGL		101.C		

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 70 - LEWISITE DISPOSAL

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B WES62	128	129	130
TOX	26 JAN 82	10.	UGL	420.C			25.C
TOX	26 JAN 82	10.	UGL	430.C			18.C
TOX	26 JAN 82	10.	UGL	440.C			21.C
TOX	26 JAN 82	10.	UGL	400.C			ND

LEGEND
NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES; TRAILING ZEROES DO NOT ALWAYS INDICATE SIGNIFICANCE, BUT ARE THE RESULTS OF COMPUTER FORMATTING.
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE

* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARDS.

VALUE EXCEEDS A NATIONAL SECOUNDARY DRINKING WATER REGULATION CRITERIA.

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7A - OLD TSY

SAMPLING SITES RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	B WES62	B WES80	WES28	WES65	WES81	130	131
ARSENIC	14 DEC 81	.010	MGL	ND					ND	
ARSENIC	15 DEC 81	.010	MGL			ND				
ARSENIC	26 JAN 82	.010	MGL	.080	.080	.020	.030	ND	.050	
ARSENIC	27 JAN 82	.010	MGL							.015
BARIUM	14 DEC 81	.1	MGL	ND					ND	
BARIUM	15 DEC 81	.1	MGL			ND				
BARIUM	26 JAN 82	.1	MGL	ND	ND	ND	ND	ND	ND	
BARIUM	27 JAN 82	.1	MGL							ND
CADMIUM	14 DEC 81	.005	MGL	ND					ND	
CADMIUM	15 DEC 81	.005	MGL			ND				
CADMIUM	26 JAN 82	.005	MGL	ND	ND	ND	.012 *	ND	ND	
CADMIUM	27 JAN 82	.005	MGL							ND
CHROMIUM	14 DEC 81	.010	MGL	ND					ND	
CHROMIUM	15 DEC 81	.010	MGL			ND				
CHROMIUM	26 JAN 82	.010	MGL	ND	ND	.010	ND	ND	ND	
CHROMIUM	27 JAN 82	.010	MGL							ND
FLUORIDE	14 DEC 81	.10	MGL	1.10					ND	
FLUORIDE	15 DEC 81	.10	MGL			ND				
FLUORIDE	26 JAN 82	.10	MGL	1.20	.19		.32	.12	ND	
FLUORIDE	27 JAN 82	.10	MGL							.40
LEAD	14 DEC 81	.010	MGL	.040					.031	
LEAD	15 DEC 81	.010	MGL			.013				
LEAD	26 JAN 82	.010	MGL	ND	ND	ND	ND	ND	ND	
LEAD	27 JAN 82	.010	MGL							ND
MERCURY	14 DEC 81	.2	UGL	ND					ND	
MERCURY	15 DEC 81	.2	UGL			ND				
MERCURY	26 JAN 82	.2	UGL	ND	ND	ND	ND	ND	ND	
MERCURY	27 JAN 82	.2	UGL							ND
NO2+NO3 AS N	14 DEC 81	.05	MGL	5.10					ND	
NO2+NO3 AS N	15 DEC 81	.05	MGL			.90				
NO2+NO3 AS N	26 JAN 82	.05	MGL	.15	52.10	ND	.11	.05	ND	
NO2+NO3 AS N	27 JAN 82	.05	MGL							125.00 *
SELENIUM	14 DEC 81	.005	MGL	ND					ND	
SELENIUM	15 DEC 81	.005	MGL			ND				
SELENIUM	26 JAN 82	.005	MGL	ND	.035 *	ND	ND	ND	.010	
SELENIUM	27 JAN 82	.005	MGL							ND
SILVER	14 DEC 81	.01	MGL	ND					ND	
SILVER	15 DEC 81	.01	MGL			ND				
SILVER	26 JAN 82	.01	MGL	ND	ND	ND	.01	ND	ND	
SILVER	27 JAN 82	.01	MGL							ND
ENDRIN	14 DEC 81	.04	UGL	ND					ND	

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7A - OLD TSY

SAMPLING SITES RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	8 WES62	8 WES80	WES28	WES65	WES81	130	131
ENDRIN	15 DEC 81	.04	UGL			ND				
ENDRIN	26 JAN 82	.04	UGL	ND	ND	ND	ND	ND	ND	
ENDRIN	27 JAN 82	.04	UGL							ND
LINDANE	14 DEC 81	.08	UGL	ND					ND	
LINDANE	15 DEC 81	.08	UGL			ND				
LINDANE	26 JAN 82	.08	UGL	ND	ND	ND	ND	ND	ND	
LINDANE	27 JAN 82	.08	UGL							ND
TOXAPHENE	14 DEC 81	1.6	UGL	ND					ND	
TOXAPHENE	15 DEC 81	1.6	UGL			ND				
TOXAPHENE	26 JAN 82	1.3	UGL	ND	ND	ND	ND	ND	ND	
TOXAPHENE	27 JAN 82	1.6	UGL							ND
METHOXYCHLOR	14 DEC 81	1.6	UGL	ND					ND	
METHOXYCHLOR	15 DEC 81	1.6	UGL			ND				
METHOXYCHLOR	26 JAN 82	1.3	UGL	ND	ND	ND	ND	ND	ND	
METHOXYCHLOR	27 JAN 82	1.6	UGL							ND
2,4-D	14 DEC 81	3.8	UGL	ND					ND	
2,4-D	15 DEC 81	3.8	UGL			ND				
2,4-D	26 JAN 82	3.8	UGL	ND	ND	ND	ND	ND	ND	
2,4-D	27 JAN 82	3.8	UGL							ND
SILVEX	14 DEC 81	.5	UGL	ND					ND	
SILVEX	15 DEC 81	.5	UGL			ND				
SILVEX	26 JAN 82	.5	UGL	ND	ND	ND	ND	ND	ND	
SILVEX	27 JAN 82	.5	UGL							ND
GROSS ALPHA	14 DEC 81	11.40	PCL	ND					ND	
GROSS ALPHA	15 DEC 81	1.30	PCL			8.88				
GROSS ALPHA	26 JAN 82	8.95	PCL	ND	ND	5.07	13.00	1.04	ND	
GROSS ALPHA	27 JAN 82	10.40	PCL							ND
GROSS BETA	14 DEC 81	1.30	PCL	1.77					7.48	
GROSS BETA	15 DEC 81	1.30	PCL			14.60				
GROSS BETA	26 JAN 82	1.75	PCL	ND	4.47	10.30	13.10	ND	4.92	
GROSS BETA	27 JAN 82	1.30	PCL							3.19
CHLORIDE	14 DEC 81	1.0	MGL	412.0 *#					204.0	
CHLORIDE	15 DEC 81	1.0	MGL			268.0 *#				
CHLORIDE	26 JAN 82	1.0	MGL	385.0 *#	339.0 *#	267.0 *#	1870.0 *#	19.9	214.0	
CHLORIDE	27 JAN 82	1.0	MGL							618.0 *#
IRON	14 DEC 81	.03	MGL	11.60 *#					.12	
IRON	15 DEC 81	.03	MGL			.10				
IRON	26 JAN 82	.03	MGL	6.30 *#	.12	1.40 *#	.35 *#	.72 *#	31.60 *#	
IRON	27 JAN 82	.03	MGL							.20
MANGANESE	14 DEC 81	.01	MGL	1.37 *#					.74 *#	
MANGANESE	15 DEC 81	.01	MGL			.27 *#				

21

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7A - OLD TSY

SAMPLING SITES
RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	B WES62	B WES80	WES28	WES65	WES81	130	131
MANGANESE	26 JAN 82	.01	MGL	1.48	1.20	.29	1.89	.11	.99	
MANGANESE	27 JAN 82	.01	MGL							1.27
PHENOL	14 DEC 81	.01	MGL	.05					.03	
PHENOL	15 DEC 81	.01	MGL			ND				
PHENOL	26 JAN 82	.01	MGL	.02	.05	.02	.03	.02	.02	
PHENOL	27 JAN 82	.01	MGL							.06
SODIUM	14 DEC 81	1.	MGL	392.					266.	
SODIUM	15 DEC 81	1.	MGL			196.				
SODIUM	26 JAN 82	1.	MGL	522.	610.	196.	754.	108.	316.	
SODIUM	27 JAN 82	1.	MGL							474.
SULFATE	14 DEC 81	5.0	MGL	1090.0					881.0	
SULFATE	15 DEC 81	5.0	MGL			270.0				
SULFATE	26 JAN 82	5.0	MGL	980.0	1400.0	249.0	778.0	105.0	723.0	
SULFATE	27 JAN 82	5.0	MGL							274.0
PH(FIELD)	14 DEC 81		PH	5.5					6.5	
PH(FIELD)	14 DEC 81		PH	5.5					6.5	
PH(FIELD)	14 DEC 81		PH	5.5					6.6	
PH(FIELD)	14 DEC 81		PH	5.5					6.5	
PH(FIELD)	15 DEC 81		PH			5.0				
PH(FIELD)	15 DEC 81		PH			5.1				
PH(FIELD)	15 DEC 81		PH			5.1				
PH(FIELD)	15 DEC 81		PH			5.0				
PH(FIELD)	26 JAN 82		PH	5.6	6.3	5.4	5.4	6.0	6.5	
PH(FIELD)	26 JAN 82		PH	5.6	6.3	5.4	5.4	6.0	6.3	
PH(FIELD)	26 JAN 82		PH	5.6	6.2	5.4	5.4	6.1	6.3	
PH(FIELD)	26 JAN 82		PH	5.6	6.4	5.4	5.4	5.9	6.4	
PH(FIELD)	27 JAN 82		PH							6.0
PH(FIELD)	27 JAN 82		PH							6.0
PH(FIELD)	27 JAN 82		PH							6.0
PH(FIELD)	27 JAN 82		PH							6.0
SPEC COND	14 DEC 81	1.	UMC	3200.					2300.	
SPEC COND	14 DEC 81	1.	UMC	3200.					2300.	
SPEC COND	14 DEC 81	1.	UMC	3190.					2300.	
SPEC COND	14 DEC 81	1.	UMC	3200.					2310.	
SPEC COND	15 DEC 81	1.	UMC			1410.				
SPEC COND	15 DEC 81	1.	UMC			1410.				
SPEC COND	15 DEC 81	1.	UMC			1410.				
SPEC COND	15 DEC 81	1.	UMC			1410.				
SPEC COND	26 JAN 82	1.	UMC	2950.	3500.	1300.	5075.	390.	2250.	
SPEC COND	26 JAN 82	1.	UMC	2950.	3500.	1300.	5080.	394.	2250.	
SPEC COND	26 JAN 82	1.	UMC	2950.	3490.	1300.	5080.	395.	2250.	
SPEC COND	26 JAN 82	1.	UMC	2940.	3500.	1300.	5079.	392.	2249.	

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7A - OLD TSY

SAMPLING SITES RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	B WES62	B WES80	WES28	WES85	WES81	130	131
SPEC COND	27 JAN 82	1.	UMC							3950.
SPEC COND	27 JAN 82	1.	UMC							3960.
SPEC COND	27 JAN 82	1.	UMC							3950.
SPEC COND	27 JAN 82	1.	UMC							3950.
TOC	14 DEC 81	1.0	MGL	18.0					3.0	
TOC	14 DEC 81	1.0	MGL	17.0					3.0	
TOC	14 DEC 81	1.0	MGL	17.0					3.0	
TOC	14 DEC 81	1.0	MGL	17.0					3.0	
TOC	15 DEC 81	1.0	MGL			4.0				
TOC	15 DEC 81	1.0	MGL			4.0				
TOC	15 DEC 81	1.0	MGL			4.0				
TOC	15 DEC 81	1.0	MGL			4.0				
TOC	26 JAN 82	1.0	MGL	15.0	9.0	5.0	31.0	5.0	5.0	
TOC	26 JAN 82	1.0	MGL	15.0	9.0	6.0	30.0	6.0	5.0	
TOC	26 JAN 82	1.0	MGL	15.0	9.0	5.0	31.0	5.0	5.0	
TOC	26 JAN 82	1.0	MGL	15.0	9.0	5.0	32.0	5.0	5.0	
TOC	27 JAN 82	1.0	MGL							15.0
TOC	27 JAN 82	1.0	MGL							15.0
TOC	27 JAN 82	1.0	MGL							15.0
TOC	27 JAN 82	1.0	MGL							15.0
TOX	14 DEC 81	10.	UGL	507.C					47.C	
TOX	14 DEC 81	10.	UGL	466.C					82.C	
TOX	14 DEC 81	10.	UGL	443.C					36.C	
TOX	14 DEC 81	10.	UGL	471.C					52.C	
TOX	15 DEC 81	10.	UGL			13.C				
TOX	15 DEC 81	10.	UGL			17.C				
TOX	15 DEC 81	10.	UGL			17.C				
TOX	15 DEC 81	10.	UGL			27.C				

26

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7A - OLD TSY

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B WES62	B WES80	WES28	WES65	WES81	130	131
TOX	26 JAN 82	10.	UGL	440.C	90.C	35.C	820.C	98.C	25.C	
TOX	26 JAN 82	10.	UGL	400.C	100.C	56.C	980.C	90.C	18.C	
TOX	26 JAN 82	10.	UGL	420.C	92.C	65.C	1030.C	96.C	21.C	
TOX	26 JAN 82	10.	UGL	430.C	110.C	52.C	1200.C	120.C	ND	

LEGEND
NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES, ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES; TRAILING ZEROES DO NOT ALWAYS INDICATE SIGNIFICANCE, BUT ARE THE RESULTS OF COMPUTER FORMATTING.
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE

* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD.

VALUE EXCEEDS A NATIONAL SECOUNDARY DRINKING WATER REGULATION CRITERIA.

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7A - OLD TSY

SAMPLING SITES
RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	135
ARSENIC	27 JAN 82	.010	MGL	.820 *
ARSENIC	28 JAN 82	.010	MGL	3.310 *
BARIUM	27 JAN 82	.1	MGL	ND
BARIUM	28 JAN 82	.1	MGL	ND
CADMIUM	27 JAN 82	.005	MGL	.008
CADMIUM	28 JAN 82	.005	MGL	ND
CHROMIUM	27 JAN 82	.010	MGL	ND
CHROMIUM	28 JAN 82	.010	MGL	ND
FLUORIDE	27 JAN 82	.10	MGL	.41
FLUORIDE	28 JAN 82	.10	MGL	.42
LEAD	27 JAN 82	.010	MGL	.040
LEAD	28 JAN 82	.010	MGL	.030
MERCURY	27 JAN 82	.2	UGL	ND
MERCURY	28 JAN 82	.2	UGL	.2
NO2+NO3 AS N	27 JAN 82	.05	MGL	ND
NO2+NO3 AS N	28 JAN 82	.05	MGL	ND
SELENIUM	27 JAN 82	.005	MGL	ND
SELENIUM	28 JAN 82	.005	MGL	ND
SILVER	27 JAN 82	.01	MGL	.01
SILVER	28 JAN 82	.01	MGL	.01
ENDRIN	27 JAN 82	.04	UGL	ND
ENDRIN	28 JAN 82	.04	UGL	ND
LINDANE	27 JAN 82	.08	UGL	ND
LINDANE	28 JAN 82	.08	UGL	ND
TOXAPHENE	27 JAN 82	1.6	UGL	ND
TOXAPHENE	28 JAN 82	1.6	UGL	ND
METHOXYCHLOR	27 JAN 82	1.6	UGL	ND
METHOXYCHLOR	28 JAN 82	1.6	UGL	ND
2,4-D	27 JAN 82	3.8	UGL	ND
2,4-D	28 JAN 82	3.8	UGL	ND
SILVEX	27 JAN 82	.5	UGL	ND
SILVEX	28 JAN 82	.5	UGL	ND
GROSS ALPHA	27 JAN 82	14.10	PCL	ND
GROSS ALPHA	28 JAN 82	14.30	PCL	ND
GROSS BETA	27 JAN 82	1.30	PCL	5.16
GROSS BETA	28 JAN 82	1.30	PCL	6.83
CHLORIDE	27 JAN 82	1.0	MGL	841.0 * #
CHLORIDE	28 JAN 82	1.0	MGL	905.0 * #
IRON	27 JAN 82	.03	MGL	13.30 * #
IRON	28 JAN 82	.03	MGL	13.30 * #
MANGANESE	27 JAN 82	.01	MGL	5.60 * #

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7A - OLD TSY

SAMPLING SITES
RESULTS

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	135
MANGANESE	28 JAN 82	.01	MGL	5.90 #
PHENOL	27 JAN 82	.01	MGL	.06
PHENOL	28 JAN 82	.01	MGL	.08
SODIUM	27 JAN 82	1.	MGL	694. #
SODIUM	28 JAN 82	1.	MGL	678. #
SULFATE	27 JAN 82	5.0	MGL	1174.0 #
SULFATE	28 JAN 82	5.0	MGL	1206.0 #
PH(FIELD)	27 JAN 82		PH	6.3 #
PH(FIELD)	27 JAN 82		PH	6.3 #
PH(FIELD)	27 JAN 82		PH	6.4 #
PH(FIELD)	27 JAN 82		PH	6.3 #
PH(FIELD)	28 JAN 82		PH	6.3 #
PH(FIELD)	28 JAN 82		PH	6.3 #
PH(FIELD)	28 JAN 82		PH	6.4 #
PH(FIELD)	28 JAN 82		PH	6.3 #
SPEC COND	27 JAN 82	1.	UMC	5000.
SPEC COND	27 JAN 82	1.	UMC	5000.
SPEC COND	27 JAN 82	1.	UMC	5000.
SPEC COND	27 JAN 82	1.	UMC	4999.
SPEC COND	28 JAN 82	1.	UMC	5050.
SPEC COND	28 JAN 82	1.	UMC	5050.
SPEC COND	28 JAN 82	1.	UMC	5050.
SPEC COND	28 JAN 82	1.	UMC	5040.
TOC	27 JAN 82	1.0	MGL	233.0
TOC	27 JAN 82	1.0	MGL	233.0
TOC	27 JAN 82	1.0	MGL	233.0
TOC	27 JAN 82	1.0	MGL	233.0
TOC	28 JAN 82	1.0	MGL	244.0
TOC	28 JAN 82	1.0	MGL	244.0
TOC	28 JAN 82	1.0	MGL	244.0
TOC	28 JAN 82	1.0	MGL	244.0
TOX	27 JAN 82	10.	UGL	610.C
TOX	27 JAN 82	10.	UGL	520.C
TOX	27 JAN 82	10.	UGL	720.C
TOX	27 JAN 82	10.	UGL	580.C

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 7A - OLD TSY

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS 135
TOX	28 JAN 82	10.	UGL	ND
TOX	28 JAN 82	10.	UGL	ND
TOX	28 JAN 82	10.	UGL	ND
TOX	28 JAN 82	10.	UGL	ND

LEGEND
NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES; TRAILING ZEROES DO NOT ALWAYS INDICATE SIGNIFICANCE, BUT ARE THE RESULTS OF COMPUTER FORMATTING.
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE

* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD.

VALUE EXCEEDS A NATIONAL SECOUNDARY DRINKING WATER REGULATION CRITERIA.

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 23A - HC TEST POND

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 147	146	148	149
ARSENIC	08 DEC 81	.010	MGL	ND	ND	ND	ND
BARIUM	08 DEC 81	.1	MGL	ND	.4	ND	5.0 *
CADMIUM	08 DEC 81	.005	MGL	ND	ND	.010	.500 *
CHROMIUM	08 DEC 81	.010	MGL	ND	.460 *	ND	ND
FLUORIDE	08 DEC 81	.10	MGL	ND	.41	.23	.14
LEAD	08 DEC 81	.010	MGL	.015	1.070 *	.130 *	.120 *
MERCURY	08 DEC 81	.2	UGL	ND	ND	ND	ND
NO2+NO3 AS N	08 DEC 81	.05	MGL	3.50	1.20	ND	ND
SELENIUM	08 DEC 81	.005	MGL	ND	.005	ND	ND
SILVER	08 DEC 81	.01	MGL	ND	ND	ND	ND
ENDRIN	08 DEC 81	.04	UGL	ND	ND	ND	ND
LINDANE	08 DEC 81	.08	UGL	ND	ND	ND	ND
TOXAPHENE	08 DEC 81	1.6	UGL	ND	ND	ND	ND
METHOXYCHLOR	08 DEC 81	1.6	UGL	ND	ND	ND	ND
2,4-D	08 DEC 81	3.8	UGL	ND	ND	ND	ND
SILVEX	08 DEC 81	.5	UGL	ND	ND	ND	ND
GROSS ALPHA	08 DEC 81	1.30	PCL	ND	39.50	6.56	48.60
GROSS ALPHA	25 JAN 82	1.30	PCL		34.30		3.07
GROSS BETA	08 DEC 81	1.30	PCL	1.79	15.70	5.76	49.30
GROSS BETA	25 JAN 82	1.30	PCL		48.20		1.64
CHLORIDE	08 DEC 81	1.0	MGL	21.9	54.1	1410.0 * #	1360.0 * #
IRON	08 DEC 81	.03	MGL	.47 * #	72.00 * #	.07	63.00 * #
MANGANESE	08 DEC 81	.01	MGL	.42 * #	.78 * #	2.70 * #	13.60 * #
PHENOL	08 DEC 81	.01	MGL	.03	.09	.14	.02
SODIUM	08 DEC 81	1.	MGL	31.	93.	69.	83.
SULFATE	08 DEC 81	5.0	MGL	19.0	50.8	593.0 * #	10.3
PH(FIELD)	08 DEC 81		PH	6.2 * #	7.5	7.2	5.8 * #
PH(FIELD)	08 DEC 81		PH	6.3 * #	7.5	7.2	5.8 * #
PH(FIELD)	08 DEC 81		PH	6.3 * #	7.5	7.2	5.8 * #
PH(FIELD)	08 DEC 81		PH	6.3 * #	7.5	7.2	5.8 * #
SPEC COND	08 DEC 81	1.	UMC	269.	550.	2750.	3300.
SPEC COND	08 DEC 81	1.	UMC	269.	540.	2750.	3300.
SPEC COND	08 DEC 81	1.	UMC	270.	540.	2750.	3300.
SPEC COND	08 DEC 81	1.	UMC	270.	550.	2750.	3300.
TOC	08 DEC 81	1.0	MGL	2.0	7.0	29.0	6.0
TOC	08 DEC 81	1.0	MGL	2.0	7.0	31.0	6.0
TOC	08 DEC 81	1.0	MGL	2.0	7.0	30.0	6.0
TOC	08 DEC 81	1.0	MGL	2.0	7.0	30.0	6.0

PRINTED ON A US GOVERNMENT COPIER -4

RUN DATE: 20 MAR 82

INSTALLATION: PINE BLUFF ARSENAL, AR

FACILITY: SITE 23A - HC TEST POND

PARAMETER	SAMPLING DATE	DETECTION LIMIT	UNITS	SAMPLING SITES RESULTS B 147	146	148	149
TOX	08 DEC 81	10.	UGL	13.C	41.C	166.C	152.C
TOX	08 DEC 81	10.	UGL	11.C	51.C	140.C	152.C
TOX	08 DEC 81	10.	UGL	13.C	50.C	141.C	157.C
TOX	08 DEC 81	10.	UGL	18.C	51.C	142.C	132.C

LEGEND
NOTES: ALL METALS AND OTHER PARAMETERS WHERE APPROPRIATE ARE ON A DISSOLVED (FILTERED) BASIS UNLESS OTHERWISE NOTED. DETECTION LIMITS SHOWN ARE NORMAL LEVELS; ACTUAL LIMITS MAY VARY IN ENVIRONMETAL SAMPLES. ANALYTICAL RESULTS ARE ACCURATE TO EITHER 2 OR 3 SIGNIFICANT FIGURES; TRAILING ZEROES DO NOT ALWAYS INDICATE SIGNIFICANCE, BUT ARE THE RESULTS OF COMPUTER FORMATTING.
B UPGRADIENT SITE
C RESULTS ARE FOR UNFILTERED SAMPLE

* VALUE EXCEEDS A NATIONAL INTERIM PRIMARY DRINKING WATER REGULATION STANDARD.
# VALUE EXCEEDS A NATIONAL SECOUNDARY DRINKING WATER REGULATION CRITERIA.