

February 25, 2011

The Honorable Allen Maxwell, Mayor MONTICELLO, CITY OF-EAST PLANT P.O. Box 505 Monticello, AR 71655

RE: Compliance Inspection

AFIN: 22-00037

NPDES Permit No.: AR0021831

Dear Mayor Maxwell:

On 1/31/2011, I performed an inspection of the MONTICELLO, CITY OF-EAST PLANT facility in accordance with the provisions of the Federal Clean Water Act, the Arkansas Water and Air Pollution Control Act, and the regulations promulgated thereunder. This inspection revealed the following:

- 1. The facility did not have lab data on hand for 1st quarter 2010 copper samples, the 2nd and 3rd quarter ground water monitoring well samples, or the annual soil samples. This is a violation of Part II, C 7 of the permit.
- 2. The facility's contract lab reports did not contain dates and times of analysis for T.S.S., B.O.D., fecal coliform, irrigation water or ground water samples. This is a violation of Part II, C8 of the permit.
- 3. The facility's influent bar screen was not working correctly, when the automatic rake was activated, no solids were removed by the rake. This is a violation of Part II, B1a of the permit.
- 4. The facility had old equipment that was exposed to precipitation where run-off from the equipment would NOT flow back into the treatment plant. It was noted that the facility applied for a "No Exposure" certification for the plant in 2010, however, this type of material is not allowed to be stored uncovered unless the facility develops and implements a Storm Water Pollution Prevention Plan as outline in Part III, 10 of the permit.

The above items require your immediate attention. Please submit a written response to these findings to Cindy Garner, Branch Manager, of the Water Division Enforcement Branch of this Department. This response should be mailed to the address below. This response should contain detailed documentation describing the course of action taken to correct the items noted. This corrective action should be completed as soon as possible, and the written response with all necessary detailed documentation (i.e. pictures) is due by March 07, 2011.

For additional information you may contact the enforcement branch by telephone at 501-682-0639 or by fax at 501-682-0910.

If I can be of any assistance, please contact me at 870-862-0680.

Sincerely,

John W. front

John W. Lamb District 8 Field Inspector Water Division

cc: Water Division Enforcement Branch Water Division Permits Branch AFIN: 22-00037

≎EPA																			pprove 2040-(
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Washington D.C. 20460																					
Washington, D.C. 20460 NPDES Compliance Inspection Report																					
	Section A: National Data System Coding																				
Transaction Code NPDES Yr/Mo/Day Inspector Fac. Type									. Туре												
1 N 2 5 3 A R (18	С		19	S	20	1						
Remarks											I	T	Í	I							
Inspection Work Days Facility Evaluation Rating BI Q							Q	4]	Reserv	ved					
67 69	70	2		-	71	Ν	72	N 7	3			74	75							80	I
				Sec	tion B	: Facil	lity D	ata							1						
Name and Location of Facility Inspected include POTW name and NPDES permit		rial user.	s discharg	ing to I	POTW,	also		Entry T 11:29			/2011				Pern	nit E	ffecti	ve Da	ate		
MONTICELLO, CITY OF-EAST Old Florence Road	PLANT						┝								2/1/2	2007	'				
Monticello, AR								Exit Ti 15:47			/2011				Pern 1/31			tion I	Date		
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Other Facility Data Charles Hammock, Operator,870-367-3415 Other Facility Data																					
Name, Address of Responsible Official/Title/Phone and Fax Number Allen Maxwell, Mayor, 870-367-3415 MONTICELLO, CITY OF-EAST PLANT P.O. Box 505 Monticello,, AR 71655																					
	(S	= Satisf	Section factory, M								Evalu	ated)									
S Permit	S Flow	Measu	rement			U	Oper	ations	& M	aint	enan	ce		S	Sampling						
U Records/Reports	M Self-	Monitor	ring Prog	ram		S	Slud	ge Han	dling	g/Dis	posa	l		Ν	Pollu	ıtion	n Pre	ventio	on		
U Facility Site Review	N Com	pliance	Schedule	5	_	Ν	Preti	etreatment			Ν	N Multimedia									
N Effluent/Receiving Waters		oratory						n Wate							Othe	er:					
Section D: Summary of Findings/Comments (Attach additional sheets if necessary) Section B,2, Section D4, Section F: The facility did not have lab data on hand for 1 st quarter 2010 copper samples, the 2 nd and 3 rd quarter ground water monitoring well samples, or the annual soil samples. The facility's contract lab reports did not contain dates and times of analysis for TSS, BOD, fecal, irrigation samples and ground water samples. Section C1 & 2: The facility's influent bar screen was not working correctly, when the automatic rake was activated, no solids were removed by the rake. Section J: The facility had old equipment that was exposed to precipitation where run-off from the equipment would NOT flow back into the treatment plant. It was noted that the facility applied for a "No Exposure" certification for the plant in 2010, however, this type of material is not allowed to be stored uncovered unless the facility develops and implements a Storm Water Pollution Prevention Plan as outline in Part III, 10 of the permit. Pictures 2-4 were taken on 2/14/2011, due to camera battery failure on 01/31/2011.																					
Name(s) and Signature(s) of Inspector(s))			ency/O kansas l					ntal (Oual	itv				Date 17 F		uarv	2011	1		
John W. Lamb			34	00 West 0-862-0	t. Hills	boro, I	El Do	rado, A		-	.,						y				
Signature of Reviewer			A	gency/C	Office/I	Phone	and F	ax Nun	bers						Date	e					

ADEQ Water NPDES Inspection	
ADEG Water NPDES Inspection	

AFIN: 22-00037

Permit #: AR0021831

SECTION A: PERMIT VERIFICATION	
PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS	ØS 🗆 M 🗇 🖓 NA 🗇 NE
DETAILS:	
1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE:	
2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES:	
3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT:	
4. ALL DISCHARGES ARE PERMITTED:	
SECTION B: RECORDKEEPING AND REPORTING EVALUATION	
RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT	
DETAILS: see page 3	
1. ANALYTICAL RESULTS CONSISTENT WITH DATA REPORTED ON DMRS:	
2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE:	OS OM ØU ONA ONE
a. DATES AND TIME(S) OF SAMPLING:	
b. EXACT LOCATION(S) OF SAMPLING:	
c. NAME OF INDIVIDUAL PERFORMING SAMPLING:	
d. ANALYTICAL METHODS AND TECHNIQUES:	
e. RESULTS OF CALIBRATIONS:	
f. RESULTS OF ANALYSES:	
g. DATES AND TIMES OF ANALYSES:	
h. NAME OF PERSON(S) PERFORMING ANALYSES:	
3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE:	Øs 🗆m 🗇u 🖾na 🖾ne
4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR:	Øs 🗆m 🗇u 🖾na 🖾ne
5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA:	
SECTION C: OPERATIONS AND MAINTENANCE	
TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED	
DETAILS: see page 3	
1. TREATMENT UNITS PROPERLY OPERATED:	OS OM 🗹 U ONA ONE
2. TREATMENT UNITS PROPERLY MAINTAINED:	OS OM ØU ONA ONE
3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED:	🗹 s 🗆 m 🗇 u 🖾 na 🖾 ne
4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE:	
5. ALL NEEDED TREATMENT UNITS IN SERVICE:	🗹 s 🗆 m 🗇 u 🖾 na 🖾 ne
6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED:	🗹 s 🗆 m 🗇 u 🖾 na 🖾 ne
7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED:	🗹 s 🗆 m 🗇 u 🖾 na 🖾 ne
8. OPERATION AND MAINTENANCE MANUAL AVAILABLE:	
9. STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED:	
10. PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED:	
11. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR:	
12. IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED:	
13. HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS:	
14. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT:	
15. IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT:	DY DN DNA ØNE

SECTION D: SAMPLING	
PERMITTEE SAMPLING MEETS PERMIT REQUIREMENTS	
DETAILS: see page 3	
1. SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT:	
2. LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES:	🗹 Y 🗆 N 🗆 NA 🗇 NE
3. FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT:	
4. SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT:	
5. SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT:	
6. SAMPLE COLLECTION PROCEDURES ADEQUATE:	🗹 Y 🗆 N 🗆 NA 🗇 NE
a. SAMPLES REFRIGERATED DURING COMPOSITING:	🗹 Y 🗆 N 🗆 NA 🗇 NE
b. PROPER PRESERVATION TECHNIQUES USED:	🗹 y 🗆 n 🗆 na 🗇 ne
c. CONTAINERS AND SAMPLE HOLDING TIMES CONFORM TO 40 CFR 136:	⊠y ⊡n ⊡na ⊡ne
7. IF MONITORING IS PERFORMED MORE OFTEN THAN REQUIRED ARE RESULTS REPORTED ON THE DMR:	⊠y ⊡n ⊡na ⊡ne
SECTION E: FLOW MEASUREMENT	
PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS	Øs 🗆 m 🗇 🖉 na 🗇 ne
DETAILS:	
1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED: TYPE OF DEVICE: weir	
2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED:	
3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED:	
4. CALIBRATION FREQUENCY ADEQUATE:	
5. RECORDS MAINTAINED OF CALIBRATION PROCEDURES:	🗹 Y 🗆 N 🗆 NA 🗇 NE
6. CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE:	
7. FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE:	
8. FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES:	
9. HEAD MEASURED AT PROPER LOCATION:	
SECTION F: LABORATORY	
PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS	
DETAILS: see page 3	
1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(B) FOR SLUDGES) :	
2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED:	
3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT:	
4. QUALITY CONTROL PROCEDURES ADEQUATE:	
5. DUPLICATE SAMPLES ARE ANALYZED ≥10% OF THE TIME:	
6. SPIKED SAMPLES ARE ANALYZED \geq 10% OF THE TIME:	
7. COMMERCIAL LABORATORY USED:	
a. LAB NAME: <u>McClelland Engineers</u>	
b. LAB ADDRESS: all permitted parameters expect pH and d.o.	
c. PARAMETERS PERFORMED:	
8. BIOMONITORING PROCEDURES ADEQUATE:	
a. PROPER ORGANISMS USED:	
b. PROPER DILUTION SERIES FOLLOWED:	
c. PROPER TEST METHODS AND DURATION:	
d. RETESTS AND/OR TRE PERFORMED AS REQUIRED:	

	PDES Inspection
ADEC Water N	PUES Inspection

AFIN: 22-00037

Permit #: AR0021831

SE	CTION	G: EFFLUE	NT/RECEIVIN	IG WATERS	OBSERVATIO	ONS							
BA	SED ON	VISUAL OBS	ERVATIONS C	DNLY					J □NA ØNE				
DE	TAILS:												
OU	TFALL #:	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOATING SOLIDS	COLOR	2	OTHER				
	001	No discharge											
SE	CTION	H: SLUDGE	DISPOSAL										
				REQUIREMEN	ГS								
DE	TAILS:												
1.	SLUDGE M	ANAGEMENT ADEQU	ATE TO MAINTAIN EF	FLUENT QUALITY:			⊠s	Шм					
2.	SLUDGE R	ECORDS MAINTAINE	D AS REQUIRED BY 40) CFR 503:			⊠s	Пм					
3.	FOR LAND	APPLIED SLUDGE, T	YPE OF LAND APPLIEI	D TO: (E.G., FOREST,	AGRICULTURAL, PUE	BLIC CONTACT SITE):							
SE	CTION	I: SAMPLIN	G INSPECTIO	ON PROCEDU	JRES								
				EQUIREMENT				ΛDι	J ⊠NA □NE				
	TAILS:				-	I							
1.		OBTAINED THIS INSP	ECTION:					ΠY	Øn Ona One				
2.	TYPE OF S	AMPLE: GRAB:		IETHOD: FREQUE	NCY:								
3.		PRESERVED:			-			ΠY					
4.	FLOW PRO	PORTIONED SAMPLE	S OBTAINED:										
5.	SAMPLE O	BTAINED FROM FACI	LITY'S SAMPLING DE	/ICE:									
6.	SAMPLE R	EPRESENTATIVE OF	VOLUME AND NATUR	E OF DISCHARGE:									
7.	SAMPLE SP	PLIT WITH PERMITTE	E:					ΠY	On Øna One				
8.	CHAIN-OF-	CUSTODY PROCEDU	RES EMPLOYED:					ΠY	On Øna One				
9.	SAMPLES (COLLECTED IN ACCO	RDANCE WITH PERM	IT:				ΠY	🗆 n 🗹 na 🗆 ne				
SE	CTION	J: STORM	WATER POLL	UTION PREV	/ENTION PL/	AN							
				S PERMIT RE				<u>N ⊠(</u>					
DE	TAILS:	see page 3											
1.	SWPPP UP	DATED AS NEEDED:	DATE OF LAST UP	DATE:				ΠY	⊡n ⊡na ⊠ne				
2.	SITE MAP I	NCLUDING ALL DISCH	HARGES AND SURFA	CE WATERS:				ΠY	⊡n ⊡na Øne				
3.	POLLUTION	N PREVENTION TEAM	I IDENTIFIED:					ΠY	⊡n ⊡na ⊠ne				
4.	POLLUTION	N PREVENTION TEAM	PROPERLY TRAINED):				ΠY	⊡n ⊡na Øne				
5.	LIST OF PC	TENTIAL POLLUTAN	T SOURCES:					ΠY	⊡n ⊡na Øne				
6.	LIST OF PC	TENTIAL SOURCES	AND PAST SPILLS AND	D LEAKS:				ΠY	⊡n ⊡na Øne				
7.	ALL NON-S	TORM WATER DISCH	ARGES ARE AUTHOR	IZED:				ΠY	🗆 n 🗆 na 🗹 ne				
8.	LIST OF ST	RUCTURAL BMPS:							⊡n ⊡na ⊠ne				
9.	LIST OF NO	N-STRUCTURAL BMF	PS:						⊡n ⊡na Øne				
10.	BMPS PRO	PERLY OPERATED A	ND MAINTAINED:										
11.	INSPECTIO	NS CONDUCTED AS	REQUIRED:						⊡n ⊡na ⊠ne				
							1						

ADEQ Water NPDE	AFIN	AFIN: 22-00037 Permit #: AR				AR0021831		
		DN	MR Calculat	ion Che	ck			
Reporting Period:	From	2010 Year	March Month	01 Day	_ To	2010 Year	March Month	<u>31</u> Day
Parameter Checke	d:	BOD	_					
		Loading Mass					itration ithly	
	Mo. A	Avg lbs	/day	Mo. A	vg	mg/l	7-day Avg	g mg/l
Reported Value:				;	5.07		5.0	7
Calculated Value:				:	5.07		5.0	7
Permit Value:					30		45	

If calculated value does not equal reported value, explain:

<u>equal</u>

ADEQ Water NPDES Inspection	
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		Wate	r Division NP	DES Photo	graphic Ev	vidence Sheet	;	
Location:			TY OF-EAST	PLANT				
Photographe	r: John	W. Lamb			Witness:	None		
Photo #	1 Of				Date:	1/31/2011	Time:	
Description:	East p	olant bar sc	reen rake, not 1	raking any s	solids			
Photographe	u Ishu '							
	r: Jonn	W. Lamb			Witness:	None		
Photo #	2 Of	W. Lamb			Witness: Date:	None 02/14/16	Time:	11:15
Photo # Description:	2 Of	4 erator bodi	es and floats w		Date:	02/14/16		11:15 Duted back into

ADEQ Water NPDES Inspection

				er Division NPDES Phot	ographic Ev	vidence Sheet		
Location:	MC	DNTICI	ELLO, C	ITY OF-EAST PLANT				
Photographe	r:	John W	/. Lamb		Witness:	None		
Photo #	3	Of	4		Date:	02/14/2011	Time:	11:16
Description:		Junked	materia	behind pond, exposed to	run-off whic	ch does not flow	v back into	plant
		4						
Photographe	r:	John W	/. Lamb		Witness:	None		
Photo #	4	Of	4		Date:	02/14/2011	Time:	11:16
Description:		Barrel	and junk	exposed to run-off which	does not rui	n back into plar	nt	
	and the second							



A Proud Heritage, A Promising Future . . .

March 10, 2011

Ms. Cindy Garner, Branch Manager Water Division/Enforcement Branch Arkansas Department of Environmental Quality 5301 Northshore Drive North Little Rock, AR 72118-5317

RE: NPDES Permit # AR0021831 AFIN: 22-00037 East Plant-Compliance Inspection

Dear Ms, Garner:

The city is in receipt of the letter from Mr. John W. Lamb, District 8 Field Inspector, concerning the compliance inspection that he performed on January 31, 2011 at the above mentioned facility. Four violations were noted- please find the following responses to these violations.

<u>#1 Facility did not have lab data on hand for 1st. quarter 2010 copper samples, 2nd and 3rd. quarter ground water monitoring well samples and the annual soil sample.</u>

- 1. <u>Description and Cause-</u> Lab data not on hand due to the fact that McClelland Engineers (Lab) had not provided us with this information.
- 2. <u>Period of Noncompliance-</u> Received reports after Lab was told that we did not have them after the initial inspection. Copies of reports are attached for your information.
- 3 <u>Steps taken to Prevent Recurrence-</u> A meeting was held with all parties involved with the Lab and the City and a better chain of custody has been established.

#2 Facilities Lab reports did not contain Dates and Times of Analysis of certain Samples.

- 1. <u>Description and Cause-</u> Dates and Times of Analysis on reports from Lab were not listed.
- 2. <u>Period of Noncompliance-</u> All year.
- 3. <u>Steps taken to Prevent Recurrence-</u> McClelland Consulting Engineers (Lab) has all dates and times for analysis and they will include it on all lab reports going forward.

#3 Facilities Influent Bar Screen not working and no Solids were removed by Rake.

- 1. <u>Description and Cause-</u> The Bar Screen is not working correctly because the teeth were worn, due to normal wear and tear.
- 2. <u>Period of Noncompliance-</u> The Rake on the Bar Screen has been out of adjustment for about 2 weeks.
- 3. <u>Steps Taken to Prevent Recurrence-</u> The plates have been adjusted and new ones will be made to replace the worn plates. The plates will be inspected more often and adjusted as needed. Replacement plates will be installed within a week.

#4 Facility had old Equipment that was exposed to Precipitation where Run-Off from the Equipment would NOT flow back into the treatment plant. Plant has a "No Exposure" Certification, however this type of material is not allowed to be stored uncovered without a Storm Water Prevention Plan.

- 1. Description and Cause- Equipment stored at Facility improperly.
- 2. <u>Period of Noncompliance-</u> This has been an ongoing problem for a few months.
- 3. <u>Steps Taken to Prevent Recurrence-</u> The Equipment will be removed and the area will be cleaned up.

I hope that this adequately addresses the concerns of ADEQ. If any other information is needed please feel free to contact me.

Thank you for your assistance.

Sincerely,

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lassen Maywell

Allen Maxwell, Mayor City of Monticello



11701 I-30 Bldg 1, Ste 115 - Little Rock, AR 72209 501-455-3233 Fax 501-455-6118

01 April 2010

Bill Miles McClelland Consulting Engineers, Inc. P.O. Box 34087 Little Rock, AR 72201-4087

RE: Monticello

SDG Number: 1003319

Enclosed are the results of analyses for samples received by the laboratory on 24-Mar-10 16:51. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	✓
Containers Intact	~
COC/Labels Agree	~
Preservation Confirmed	~
Received On Ice	~
Temperature on Receipt	4.0°C

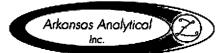
Sincerely,

Norma

Norma James President

This document is intended only for the use of the person(s) to whom it is expressly addressed. This document may contain information that is confidential and legally privileged. If you are not the intended recipient, you are notified that any disclosure, distribution, or copying of this document is strictly prohibited. If you have received this document in error, please destroy.

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01 April 2010

Bill Miles

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McClelland Consulting Engineers, Inc. P.O. Box 34087 Little Rock, AR 72201-4087 Project: Monticello

Date Received: 24-Mar-10 16:51

ANALYTICAL RESULTS

Lab Number: Sample Name: Date/Time Collected: Sample Matrix:		1003319-01 Monticello East Influent 3/24/10 0:00 Water				
Total Metals	<u>Units</u>	<u>Result</u>	Qualifier(s)	Date/Time Analyzed	Batch	Method
Arsenic	mg/L	< 0.050		3/29/10 18:47	A003388	200.7
Cadmium	mg/L	< 0.008		3/29/10 18:49	A003388	200.7
Chromium	mg/L	< 0.020		3/29/10 18:48	A003388	200.7
Copper	mg/L	0.246		3/29/10 18:47	A003388	200.7
Lead	mg/L	< 0.015		3/29/10 18:49	A003388	200.7
Mercury	mg/L	< 0.0002		3/29/10 14:38	A003414	245.1/7470A
Nickel	mg/L	0.036		3/29/10 18:48	A003388	200.7
Silver	mg/L	< 0.020		3/29/10 18:47	A003388	200.7
Zinc	mg/L	0.039		3/29/10 18:48	A003388	200.7
Wet Chemistry	<u>Units</u>	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Cyanide (total)	mg/L	0.028		3/26/10 11:13	A003392	4500-CN E/9014
TKN	mg/L	11.5		3/25/10 14:00	A003352	4500-Norg C

ANALYTICAL RESULTS

Lab Number: Sample Name: Date/Time Collected: Sample Matrix:		1003319-02 Monticello East Effluent 3/24/10 0:00 Water				
Total Metals	<u>Units</u>	<u>Result</u>	Qualifier(s)	Date/Time Analyzed	Batch	Method
Arsenic	mg/L	0.067		3/29/10 18:51	A003388	200.7
Cadmium	mg/L	< 0.008		3/29/10 18:54	A003388	200.7
Chromium	mg/L	< 0.020		3/29/10 18:53	A003388	200.7
Copper	mg/L	0.109	,	3/29/10 18:51	A003388	200.7
Lead	mg/L	0.088		3/29/10 18:53	A003388	200.7
Mercury	mg/L	< 0.0002		3/29/10 14:38	A003414	245.1/7470A
Nickel	mg/L	0.016		3/29/10 18:52	A003388	200.7
Silver	mg/L	0.032		3/29/10 18:52	A003388	200.7
Zinc	mg/L	0.066		3/29/10 18:53	A003388	200.7
Wet Chemistry	<u>Units</u>	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Cyanide (total)	mg/L	< 0.010		3/26/10 11:13	A003392	4500-CN E/9014
TKN	mg/L	1.90		3/25/10 14:00	A003352	4500-Norg C

01 April 2010

Bill Miles

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McClelland Consulting Engineers, Inc. P.O. Box 34087 Little Rock, AR 72201-4087 **Project: Monticello**

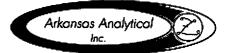
Date Received: 24-Mar-10 16:51

ANALYTICAL RESULTS

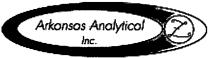
Lab Number: Sample Name: Date/Time Collected: Sample Matrix:		1003319-03 Monticello West Influent 3/24/10 0:00 Water	:			
Total Metals	<u>Units</u>	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Arsenic	mg/L	0.089		3/29/10 18:56	A003388	200.7
Cadmium	mg/L	< 0.008		3/29/10 18:58	A003388	200.7
Chromium	mg/L	< 0.020		3/29/10 18:57	A003388	200.7
Copper	mg/L	0.157		3/29/10 18:56	A003388	200.7
Lead	mg/L	0.090		3/29/10 18:58	A003388	200.7
Mercury	mg/L	< 0.0002		3/29/10 14:38	A003414	245.1/7470A
Nickel	mg/L	0.055		3/29/10 18:57	A003388	200.7
Silver	mg/L	< 0.020		3/29/10 18:56	A003388	200.7
Zinc	mg/L	0.034		3/29/10 18:58	A003388	200.7
Wet Chemistry	<u>Units</u>	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Cyanide (total)	mg/L	< 0.010		3/26/10 11:13	A003392	4500-CN E/9014
TKN	mg/L	15.5		3/25/10 14:00	A003352	4500-Norg C

ANALYTICAL RESULTS

Lab Number: Sample Name: Date/Time Collected: Sample Matrix:	·	1003319-04 Monticello West Effluent 3/24/10 0:00 Water	ł			
Total Metals	<u>Units</u>	<u>Result</u>	Qualifier(s)	Date/Time Analyzed	Batch	Method
Arsenic	mg/L	0.082		3/29/10 19:00	A003388	200.7
Cadmium	mg/L	< 0.008		3/29/10 19:03	A003388	200.7
Chromium	mg/L	0.044		3/29/10 19:02	A003388	200.7
Copper	mg/L	< 0.020		3/29/10 19:01	A003388	200.7
Lead	mg/L	0.030		3/29/10 19:03	A003388	200.7
Mercury	mg/L	< 0.0002		3/29/10 14:38	A003414	245.1/7470A
Nickel	mg/L	< 0.010		3/29/10 19:02	A003388	200.7
Silver	mg/L	0.022		3/29/10 19:01	A003388	200.7
Zinc	mg/L	0.020		3/29/10 19:02	A003388	200.7
Wet Chemistry	<u>Units</u>	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Cyanide (total)	mg/L	< 0.010		3/26/10 11:13	A003392	4500-CN E/9014
TKN	mg/L	1.18		3/25/10 14:00	A003352	4500-Norg C



01 April 2010



Bill Miles McClelland Consulting Engineers, Inc. P.O. Box 34087 Little Rock, AR 72201-4087 Project: Monticello

Date Received: 24-Mar-10 16:51

QUALITY CONTROL RESULTS

		Wet Chemi	istry Bat	ch: A003352	? (W	ater)			
	Prepared: 24	-Mar-10 08:3	8 By: SB -	- Analyzed: 2	24-N	lar-10 08:38	By: SB		
Analyte	BLK	LCS / L	CSD	MS	<u>/ MS</u>	<u>SD</u>	Dup	RPD	Qualifiers
TKN	<0.50 mg/L	93.0% /	NA	108%	1	101%		3.12%	
		Total Met	als Batc	h: A003388 (Wat	ter)			<u></u>
	Prepared: 28	5-Mar-10 14:3	0 By: RH -	- Analyzed: 2	29-N	Mar-10 17:46	By: TT		
Analyte	BLK	LCS / L	CSD	MS	/ MS	<u>SD</u>	Dup	<u>RPD</u>	Qualifiers
Arsenic	<0.050 mg/L	114% /	NA	78.0%	1	62.0%		19.0%	%D1
Cadmium	<0.008 mg/L	101% /	NA	116%	1	112%		2.74%	
Chromium	<0.020 mg/L	91.9% /	NA	83.2%	1	145%		52.9%	%D1
Copper	<0.005 mg/L	87.2% /	NA	123%	1	141%		12.3%	%D1
Lead	<0.015 ma/L	100% /	NA	156%	1	153%		1.89%	%D1
Nickel	<0.010 mg/L	97.1% /	NA	131%	1	119%		8.96%	%D1
Silver	<0.020 mg/L	97.1% /	NA	117%	1	172%		30.2%	%D1
Zinc	<0.005 mg/L	97.8% /	NA	101%	1	104%		2.99%	
	<u> </u>	Wet Chem	istry Bat	ch: A003392	2 (W	ater)			<u></u>
	Prepared: 26		•		•	•	By: SB		
Analyte	BLK	LCS / L	CSD	MS	/ MS	<u>SD</u>	Dup	<u>RPD</u>	Qualifiers
Cyanide (total)	<0.010 mg/L	94.0% /	NA	91.3%	1	91.3%		0.00%	
		Total Met	als Batc	h: A003414 ((Wa	ter)			
	Prepared: 29	-Mar-10 10:1	5 By: RH -	- Analyzed: 2	29-N	Mar-10 14:38	By: RH		
Analyte	BLK	LCS / L	CSD	MS	<u>/ MS</u>	<u>SD</u>	Dup	RPD	Qualifiers
Mercury	<0.0002 mg/L	96.4% /	NA	94.8%	1	98.0%		3.32%	

QUALIFIER(S)

*%D1: Matrix Spike and/or Matrix Spike Duplicate Percent Recovery Does Not Meet Laboratory Acceptance Criteria

All Analysis performed according to EPA approved methodology when available: SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods, 20th Edition. Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

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Reviewed by:

Norma James President Arkansos Analytical hc.

01 April 2010

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Bill Miles McClelland Consulting Engineers, Inc. P.O. Box 34087 Little Rock, AR 72201-4087 Project: Monticello

Date Received: 24-Mar-10 16:51

CHAIN

FAGE	CLIENT INFOR			BILLING					Project Das	tription	Tunzreuns Time)				Preser	valine, Cod	es:		
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97 787 78		n se ar ning.	-	3/24/10 3/24/10		C. Rec	chied b	14 Jahr	(Slotafure)	4. PRESERVATION	N CONFIRMED:	Ye	·	Nn i						

* 2nd Q+C Groundwater Monitoringwells



		Defense	Test Date/Time	Initials	Result
04/22/10 12:59	Jesse James				
Date/Time	Sampler	Date/Time	Sampler	04/22	/10 15:30
Gra	b	Compo	site	Date/Tin	ne Received:
QA Frequency:	Minimum of 10%	Spikes and Duplicates			
Quality Control:		n, known addition, quarter	ly analysis of external re	eferences samples	
References:	Standard Methods	Approved Methods, Conta s for the Examination of W	ater and Wastewater: E	PA-600/4-79-020	
Permit Number:	AR0021831				
Sample Location:	Irrigation				
Sample Description:				Date Reported:	3/7/2011
Client:	City of Monticello)		Sample Number:	

Parameter	Reference	Test Date/Time	Initials	Result
Ammonia Nitrogen		4040010 8-20-00 434	RJH	<1.0 mg/l
Ammonia, NH3-N	4500-NH3,B,C	4/24/2010 8:30:00 AM	КЛ	
Dissolved Oxygen				
DO	4500-O c or g	4/22/2010 1:02:00 PM		3.9 mg/l
Minimum WW				
Temperature	2550 B	4/22/2010 1:01:00 PM	EB	25 degrees C
pH	4500-H+ B	4/22/2010 1:00:00 PM	EB	7.0 pH Units
BOD	5210 B	4/23/2010 8:00:00 AM	MB	4.65 mg/i
Fecal Coliforms	9222 D	4/22/2010 3:30:00 PM	LB	<3.0 Col/100 mls
Nitrate Nitrogen				
Nitrate	4500 NO3 E	4/25/2010 9:00:00 AM		2.21 mg/l

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.

Sdl. Mil

Bill Miles, Laboratory Manager

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Client: Sample Description: Sample Location: Permit Number: References:	Well #1 East Plant 40 CFR Part 136 A	Approved Methods, Conta	D iners, Preservation, Holding	ate Reported	
Quality Control: QA Frequency:	Blank, duplication		ater and Wastewater: EPA- ly analysis of external refere		
Gra		Compo			Fime Received:
Date/Time	Sampler	Date/Time	Sampler	04/	/22/10 15:30
04/22/10 11:55	Jesse James				
Parameter	<u>.</u>	Reference	Test Date/Time	Initials	Result
Dissolved Oxygen DO		4500-O c or g	4/22/2010 11:58:00 Al	М	3.9 mg/l
Monticello wells					
Temperature			4/22/2010 11:57:00 AI	M JJ	18 degrees C
рН			4/22/2010 11:56:00 Al	M JJ	6.0 pH Units
Fecal Coliforms		9222D			<3.0 Col/100 mls
Total Dissolved Soli	ds			SD	162.0 mg/l
Nitrate		4500 NO3 E		RJH	<1.0 mg/l
Chloride				SD	50.0 mg/l

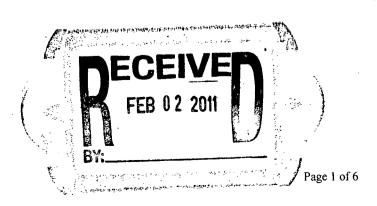
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* Quality assurance performed on other samples.

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.

Sal Mile

Bill Miles, Laboratory Manager



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Client: Sample Description: Sample Location: Permit Number: References: Quality Control: QA Frequency:	Well #2 East Plant 40 CFR Part 136 A Standard Methods 1 Blank, duplication,	pproved Methods, Contain for the Examination of Wat known addition, quarterly a Spikes and Duplicates	D ers, Preservation, Holding er and Wastewater: EPA-	ate Reported ; Times 600/4-79-020)
Gra Date/Time 04/22/10 11:55	b Sampler Jesse James	Composit Date/Time	e Sampler	2	Time Received: 22/10 15:30
Parameter		Reference	Test Date/Time	Initials	Result
Dissolved Oxygen DO		4500-O c or g	4/22/2010 11:58:00 AI	М	6.1 mg/l
Monticello wells Temperature pH Fecal Coliforms Total Dissolved Soli Nitrate Chloride	ids	9222D 4500 NO3 E	4/22/2010 11:57:00 AI 4/22/2010 11:56:00 AI		18 degrees C 6.8 pH Units <3.0 Col/100 mls 32.0 mg/l <1.0 mg/l 2.5 mg/l

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.

al Mile

Bill Miles, Laboratory Manager



Page 2 of 6



Client: Sample Description: Sample Location: Permit Number:	Well #3 East Plant	,	D	ate Reported	er: 33446-03 : 2/1/2011
References:	Standard Methods	for the Examination of W	iners, Preservation, Holding ater and Wastewater: EPA-	500/4-79-020)
Quality Control: QA Frequency:	-	known addition, quarterl Spikes and Duplicates	y analysis of external refere	nces samples	
Gra Date/Time 04/22/10 11:55	b Sampler Jesse James	Compo Date/Time	site Sampler		Time Received: 22/10 15:30
Parameter		Reference	Test Date/Time	Initials	Result
Dissolved Oxygen DO		4500-O c or g	4/22/2010 11:58:00 AN	Л	5.1 mg/l
Monticello wells Temperature pH Fecal Coliforms Total Dissolved Soli Nitrate Chloride	ds	9222D 4500 NO3 E	4/22/2010 11:57:00 AN 4/22/2010 11:56:00 AN		18 degrees C 6.8 pH Units <3.0 Col/100 mls 706.0 mg/l <1.0 mg/l 116.0 mg/l

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Bill Miles, Laboratory Manager

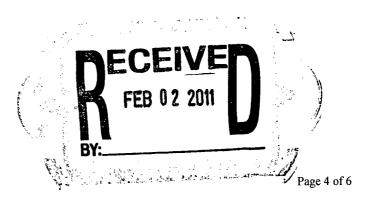




Client: Sample Description: Sample Location: Permit Number: References: Quality Control: QA Frequency:	Well #4 East Plant 40 CFR Part 136 A Standard Methods Blank, duplication,	pproved Methods, Contain for the Examination of Wat known addition, quarterly Spikes and Duplicates	I ers, Preservation, Holdin ter and Wastewater: EPA	-600/4-79-020	: 2/1/2011
Gra Date/Time 04/22/10 11:55		Composi Date/Time	Sampler		Time Received: 22/10 15:30 Result
Parameter		Reference	Test Date/Time	Initials	Kesun
Dissolved Oxygen DO		4500-O c or g	4/22/2010 11:58:00 A	М	2.3 mg/l
Monticello wells Temperature pH Fecal Coliforms Total Dissolved Solie Nitrate Chloride	ds	9222D 4500 NO3 E	4/22/2010 11:57:00 A 4/22/2010 11:56:00 A		19 degrees C 6.6 pH Units <3.0 Col/100 mls 767.0 mg/l <1.0 mg/l 9.0 mg/l

Sal Miles

Bill Miles, Laboratory Manager





Client: Sample Description: Sample Location: Permit Number: References: Quality Control:	Well #5 East Plant 40 CFR Part 136 A Standard Methods	approved Methods, Conta for the Examination of W		Date Reported g Times 600/4-79-020	0
Quality Control. QA Frequency:	-	Spikes and Duplicates			
Gra Date/Time 04/22/10 11:55		Compo Date/Time	site Sampler		Fime Received: 22/10 15:30
Parameter		Reference	Test Date/Time	Initials	Result
Dissolved Oxygen		4500-O c or g	4/22/2010 11:58:00 AI	М	4.8 mg/l
Monticello wells Temperature pH Fecal Coliforms Total Dissolved Soli	ds	9222D	4/22/2010 11:57:00 A1 4/22/2010 11:56:00 A1		19 degrees C 6.2 pH Units 4.0 Col/100 mls 484.0 mg/l <1.0 mg/l

Bill Miles, Laboratory Manager





Client: Sample Description: Sample Location: Permit Number: References: Quality Control: QA Frequency:	Well #6 East Plant 40 CFR Part 136 A Standard Methods Blank, duplication	Approved Methods, Contai for the Examination of Wa		ate Reported Times 500/4-79-02	0
Gra	ıb	Compos	site	Date/	Time Received:
Date/Time	Sampler	Date/Time	Sampler	04/	/22/10 15:30
04/22/10 11:55	Jesse James				
Parameter		Reference	Test Date/Time	Initials	Result
Dissolved Oxygen		4500-O c or g	4/22/2010 11:58:00 AN	1	2.2 mg/l
Monticello wells					
Temperature			4/22/2010 11:57:00 AM	A EB	19 degrees C
pН			4/22/2010 11:56:00 AN	A EB	6.4 pH Units
Fecal Coliforms		9222D			<3.0 Col/100 mls
Total Dissolved Soli	ds			SD	91.0 mg/l
Nitrate		4500 NO3 E		RJH	<1.0 mg/l
Chloride		•			6.0 mg/l

Bill Miles

Bill Miles, Laboratory Manager





of 3 rol QrR Ground worker Monitoring wells

Client:	City of Monticello	Sample Number:	33871-01		
Sample Description:		Date Reported:	3/7/2011		
Sample Location:	Irrigation				
Permit Number:	AR0021831				
References:	40 CFR Part 136 Approved Methods, Containers, Preservation, Holding Times Standard Methods for the Examination of Water and Wastewater: EPA-600/4-79-020				
Quality Control: QA Frequency:	Blank, duplication, known addition, quarterly analysis of external rea Minimum of 10% Spikes and Duplicates	ferences samples			

Grab		Comp	Date/Time Received:		
Date/Time	Sampler	Date/Time Sampler		07/22/10 14:30	
07/22/10 11:30	Jesse James				
Parameter	<u></u>	Reference	Test Date/Time	Initials	Result
Ammonia Nitrogen Ammonia, NH3-N		4500-NH3,B,C	7/24/2010 8:00:00 AM	RJH	<1.0 mg/l
Dissolved Oxygen DO		4500-O c or g	7/22/2010 11:33:00 AM		6.7 mg/l
Minimum WW					
Temperature		2550 B	7/22/2010 11:32:00 AM	EB	34 degrees C
рН		4500-H+ B	7/22/2010 11:31:00 AM	EB	9.7 pH Units
BOD		5210 B	7/23/2010 8:00:00 AM	MB	9.72 mg/l
Fecal Coliforms		9222 D	7/22/2010 2:30:00 PM	LB	28.0 Col/100 mls
Nitrate Nitrogen					
Nitrate		4500 NO3 E	7/25/2010 8:00:00 AM		<1.0 mg/l

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Bill Miles, Laboratory Manager



Client: Sample Description: Sample Location: Permit Number: References: Quality Control:	Well #1 East Plant 40 CFR Part 136 A Standard Methods	Approved Methods, Conta for the Examination of W		-600/4-79-02	l: 2/1/2011 0
QA Frequency:	-	Spikes and Duplicates			
Gra Date/Time 07/27/10 9:11	b Sampler Jesse James	Compo Date/Time	site Sampler		Fime Received: 27/10 15:00
Parameter		Reference	Test Date/Time	Initials	Result
Dissolved Oxygen DO		4500-O c or g	7/27/2010 9:14:00 AM	М	4.0 mg/l
Monticello wells Temperature pH Fecal Coliforms Total Dissolved Soli Nitrate Chloride	ds	9222D 4500 NO3 E	7/27/2010 9:13:00 AN 7/27/2010 9:12:00 AN		24 degrees C 5.7 pH Units 10.0 Col/100 mls 224.0 mg/l <1.0 mg/l 30.0 mg/l

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.

Bal Miles

Bill Miles, Laboratory Manager



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Page 1 of 6



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Client: Sample Description: Sample Location: Permit Number: References: Quality Control: QA Frequency:	Well #2 East Plant 40 CFR Part 136 A Standard Methods Blank, duplication,	pproved Methods, Contain for the Examination of Wat known addition, quarterly Spikes and Duplicates	ers, Preservation, Holdir ter and Wastewater: EPA	-600/4-79-020	2/1/2011
Gra Date/Time 07/27/10 9:11	b Sampler Jesse James	Composi Date/Time	te Sampler		ime Received: 27/10 15:00
Parameter		Reference	Test Date/Time	Initials	Result
Dissolved Oxygen DO		4500-O c or g	7/27/2010 9:14:00 AM	м	4.9 mg/l
Monticello wells Temperature pH Fecal Coliforms Total Dissolved Soli Nitrate Chloride	ds	9222D 4500 NO3 E	7/27/2010 9:13:00 AN 7/27/2010 9:12:00 AN		22 degrees C 6.0 pH Units <3.0 Col/100 mls 55.0 mg/l <1.0 mg/l 1.5 mg/l

* Quality assurance performed on other samples.

Bal Miles

Bill Miles, Laboratory Manager





Client: Sample Description: Sample Location: Permit Number: References: Quality Control: QA Frequency:	Well #3 East Plant 40 CFR Part 136 A Standard Methods Blank, duplication,	pproved Methods, Contain for the Examination of Wat known addition, quarterly Spikes and Duplicates	ers, Preservation, Holdin ter and Wastewater: EPA	\-600/4-79-020	2/1/2011
Gra Date/Time 07/27/10 9:11	b Sampler Jesse James	Composi Date/Time	te Sampler		ime Received: 27/10 15:00
Parameter		Reference	Test Date/Time	Initials	Result
Dissolved Oxygen DO		4500-O c or g	7/27/2010 9:14:00 A	М	4.7 mg/l
Monticello wells Temperature pH Fecal Coliforms Total Dissolved Soli Nitrate Chloride	ids	9222D 4500 NO3 E	7/27/2010 9:13:00 A 7/27/2010 9:12:00 A		21 degrees C 6.9 pH Units <3.0 Col/100 mls 876.0 mg/l <1.0 mg/l 118.0 mg/l

Chain of custody, equipment calibration and maintenance records, and QA/QC information are on file at the laboratory.

Bal Miles

Bill Miles, Laboratory Manager



Page 3 of 6



	City of Monticello			Sample Numb	
Sample Description:	Permit monitoring]	Date Reported	: 2/1/2011
Sample Location: ·	Well #4				
Permit Number:	East Plant				
		pproved Methods, Containe for the Examination of Wat)
Quality Control:	Blank, duplication,	known addition, quarterly	analysis of external refer	ences samples	5
QA Frequency:	Minimum of 10% S	pikes and Duplicates			
` Grat	b	Composit	e	Date/7	Time Received:
Date/Time	Sampler	Date/Time	Sampler	07/	27/10 15:00
07/27/10 9:11	Jesse James				
Parameter		Reference	Test Date/Time	Initials	Result
Dissolved Oxygen					
DO		4500-O c or g	7/27/2010 9:14:00 AN	1	1.8 mg/l
Monticello wells					
Temperature			7/27/2010 9:13:00 AN	A JJ	22 degrees C
pН			7/27/2010 9:12:00 AM	A JJ	6.4 pH Units
Fecal Coliforms		9222D			<3.0 Col/100 mls
Total Dissolved Solic	ls			SD	467.0 mg/l
Nitrate		4500 NO3 E		· RJH	<1.0 mg/l
Chloride				SD	10.5 mg/l

Bal Mile

Bill Miles, Laboratory Manager





Client: Sample Description: Sample Location: Permit Number: References:	Well #5 East Plant 40 CFR Part 136 A Standard Methods	Approved Methods, Contair for the Examination of Wa	I ners, Preservation, Holdin ter and Wastewater: EPA	Date Reported g Times -600/4-79-020)
Quality Control:		, known addition, quarterly	analysis of external refere	ences samples)
QA Frequency: Gra Date/Time 07/27/10 9:11			te Sampler	Date/Time Received: 07/27/10 15:00	
Parameter		Reference	Test Date/Time	Initials	Result
Dissolved Oxygen DO		4500-O c or g	7/27/2010 9:14:00 AM	1	3.9 mg/l
Monticello wells Temperature pH Fecal Coliforms Total Dissolved Soli Nitrate Chloride	ds	9222D 4500 NO3 E	7/27/2010 9:13:00 AM 7/27/2010 9:12:00 AM		23 degrees C 6.0 pH Units <3.0 Col/100 mls 565.0 mg/l <1.0 mg/l 33.5 mg/l

Bal Miles

Bill Miles, Laboratory Manager





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Client:	City of Monticello		:	Sample Numb	er: 33883-06	
Sample Description:	Permit monitoring]	Date Reported	1: 2/1/2011	
Sample Location:	Well #6					
Permit Number:	East Plant					
References:		pproved Methods, Contain for the Examination of Wat			0	
Quality Control:	Blank, duplication,	known addition, quarterly	analysis of external refer	ences samples	5	
QA Frequency:	Minimum of 10% S	Spikes and Duplicates				
Gra	b	Composit	e	Date/7	Time Received:	
Date/Time	Sampler Date/Time Sampler			07/	07/27/10 15:00	
07/27/10 9:11	Jesse James					
Parameter		Reference	Test Date/Time	Initials	Result	
Dissolved Oxygen						
DO		4500-O c or g	7/27/2010 9:14:00 AN	1	3.5 mg/l	
Monticello wells						
Temperature			7/27/2010 9:13:00 AN	A EB	22 degrees C	
pН			7/27/2010 9:12:00 AN	A EB	6.4 pH Units	
Fecal Coliforms		9222D			<3.0 Col/100 mls	
Total Dissolved Solid	ds			SD	96.0 mg/l	
Nitrate		4500 NO3 E		RJH	<1.0 mg/l	
Chloride	•				5.5 mg/l	

* Quality assurance performed on other samples.

Bal Miles

Bill Miles, Laboratory Manager





11701 I-30 Bldg 1, Ste 115 - Little Rock, AR 72209 501-455-3233 Fax 501-455-6118

141 50:1 - 10:0

06 July 2010

Bill Miles McClelland Consulting Engineers, Inc. P.O. Box 34087 Little Rock, AR 72201-4087

RE: Monticello Soil Samples

SDG Number: 1006390

Enclosed are the results of analyses for samples received by the laboratory on 29-Jun-10 16:00. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	✓
Containers Intact	~
COC/Labels Agree	~
Preservation Confirmed	~
Received On Ice	~
Temperature on Receipt	27.0°C

Sincerely,

Norma James President



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Bill Miles

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McClelland Consulting Engineers, Inc. P.O. Box 34087 Little Rock, AR 72201-4087 Project: Monticello Soil Samples

Date Received: 29-Jun-10 16:00

ANALYTICAL RESULTS

Lab Number: Sample Name: Date/Time Collected: Sample Matrix:		1006390-01 Monticello Soil 6/29/10 13:00 Solid				
Total Metals	<u>Units</u>	<u>Result</u>	Qualifier(s)	Date/Time Analyzed	Batch	Method
Arsenic	mg/kg dry	< 4.12	E20	7/1/10 21:39	A007010	6010C
Cadmium	mg/kg dry	0.370	E20	7/1/10 21:39	A007010	6010C
Chromium	mg/kg dry	4.56	E20	7/1/10 21:39	A007010	6010C
Copper	mg/kg dry	< 2.06	E20	7/1/10 21:39	A007010	6010C
Lead	mg/kg dry	6.35	E20	7/1/10 21:39	A007010	6010C
Magnesium	mg/kg dry	280		7/1/10 21:39	A007010	6010C
Mercury	mg/kg dry	< 0.020		6/30/10 11:41	A006391	7471B
Molybdenum	mg/kg dry	< 1.65	E20	7/1/10 21:39	A007010	6010C
Nickel	mg/kg dry	2.86	E20	7/1/10 21:39	A007010	6010C
Phosphorus	mg/kg dry	262	E20	7/1/10 21:39	A007010	6010C
Potassium	mg/kg dry	209		7/1/10 21:39	A007010	6010C
Selenium	mg/kg dry	< 4.12	E20	7/1/10 21:39	A007010	6010C
Zinc	mg/kg dry	15.4		7/1/10 21:39	A007010	6010C
Wet Chemistry	<u>Units</u>	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
% Volatile Solids	% by WT	5.2		6/30/10 16:40	A007020	160.4
Ammonia as N	mg/kg dry	< 50.1		6/30/10 15:41	A006399	4500-NH3D
рН	S.U.	4.67	E2	6/29/10 15:47	A007028	9045D
TKN	mg/kg dry	1800		6/30/10 16:04	A006358	4500-Norg C
Total Solids	% by WT	,93.7		6/30/10 16:40	A007019	2540 G



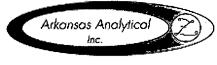
This report must be reproduced in its entirety.

Arkonsas Analytical

Inc.

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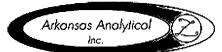


Bill Miles McClelland Consulting Engineers, Inc. P.O. Box 34087 Little Rock, AR 72201-4087 Project: Monticello Soil Samples

Date Received: 29-Jun-10 16:00

QUALITY CONTROL RESULTS

	Dronanadi 00		itch: A006358 (Soil) - Analyzed: 29-Jun-10 15:3	8 By SB		
						0
Analyte	BLK		<u>MS / MSD</u>	Dup	<u>RPD</u> 3.10%	Qualifiers
ſKN	<50.0 mg/kg wet	95.9% / .NA	53.5% / 66.9%		3.10%	
		Total Metals Bat	ch: A006391 (Soil)		<u> </u>	
	Prepared: 29	-Jun-10 15:55 By: RH -	- Analyzed: 30-Jun-10 11:4	11 By: RH		
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	<u>RPD</u>	Qualifiers
Mercury	<0.017 mg/kg wet	97.7% / NA	93.9% / 90.5%		0.808%	
		Wet Chemistry Ba				·
	Prepared: 30	-Jun-10 15:41 By: SB -	- Analyzed: 30-Jun-10 15:4	11 By: SB	<u></u>	
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Ammonia as N	<50.0 mg/kg wet	104% / NA	96.2% / 98.8%		2.67%	
		Total Metals Bat	ch: A007010 (Soil)		<u> </u>	
	Prepared: 0		- Analyzed: 01-Jul-10 22:1	2 By: TT		
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Arsenic	<4.80 mg/kg wet	87.0% / NA	74.7% / 76.0%		2.18%	%D1
Cadmium	<0.240 mg/kg wet	80.5% / NA	65.1% / 66.1%		2.03%	%D1
Chromium	<1.92 mg/kg wet	85.5% / NA	73.6% / 75.5%		2.82%	%D1
Copper	<2.40 mg/kg wet	85.4% / NA	73.0% / 74.6%		2.53%	%D1
Lead	<4.80 mg/kg wet	84.2% / NA	68.7% / 70.8%		3.10%	%D1
Magnesium	<5.00 mg/kg wet	82.1% / NA	MBA / MBA		2.68%	MBA
Molybdenum	<1.92 mg/kg wet	85.6% / NA	67.9% / 69.3%		2.55%	%D1
Nickel	<0.48 mg/kg wet	85.7% / NA	71.9% / 73.3%		2.31%	%D1
Phosphorus	<14.4 mg/kg wet	81.0% / NA	62.7% / 101%		11.5%	%D1
Potassium	<4.80 mg/kg wet	108% / NA	MBA / MBA		3.58%	MBA
Selenium	<4.80 mg/kg wet	83.5% / NA	67.7% / 67.7%		0.526%	%D1
Zinc	<0.250 mg/kg wet	83.1% / NA	75.8% / 76.3%		0.942%	
		Wat Chemistry Ba	atch: A007019 (Soil)			
	Prepared: 30	-	- Analyzed: 30-Jun-10 16:	40 By: AP		
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	RPD	Qualifiers
Total Solids	NA	NA / NA	NA / NA	93.5 % by WT	0.214%	
		Wet Chemistry Ba	atch: A007020 (Soil)		<u> </u>	
	Prepared: 30)-Jun-10 16:40 By: AP -	Analyzed: 30-Jun-10 16:	40 By: AP	·······	
Analyte	BLK	LCS / LCSD	MS / MSD	Dup	<u>RPD</u>	Qualifiers
% Volatile Solids	NA	NA / NA	NA / (NA	8.39%	8.39%	
)ECE	VE	
Page 3 of 4		·	the second se	sreportanust be	réproduced	in its entiret
				4	1.485	g ×



06 July 2010

Bill Miles McClelland Consulting Engineers, Inc. P.O. Box 34087 Little Rock, AR 72201-4087 Project: Monticello Soil Samples

Date Received: 29-Jun-10 16:00

QUALITY CONTROL RESULTS

	Prepared: 2	Wet Chemistry Ba Jun-10 15:47 By: AT-	tch: A007028 (Soil) Analyzed: 29-Jun-10 15:4	7 By: AT	
Analyte	BLK	LCS / LCSD	MS / MSD	Dup <u>RPD</u>	Qualifiers
pН	NA	NA / NA	NA / NA	0.285%	

QUALIF	IER(S)
*%D1:	Matrix Spike and/or Matrix Spike Duplicate Percent Recovery Does Not Meet Laboratory Acceptance Criteria
*E2:	Estimated Result; Analyzed Outside of Holding Time
*E20:	Estimated Result Due to Matrix Spike and/or Matrix Spike Duplicate Failure; This sample was used as "parent sample"
	in MS/MSD prep.
*MBA:	Masked By Analyte

All Analysis performed according to EPA approved methodology when available: SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods, 20th Edition.

Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Reviewed by:

Norma James President





CLIENT INFORMATION

11701 Interstate 30, Bldg, 1, Ste. 115 Little Rock, AR 72209 PHONE: 501-455-3233 FAX: 501-455-6118

Project Description

Reporting Information

Telechonar

Fax:

Emat

CHAIN OF CUSTODY RECORD

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Nitrie Acid (HNOA), oH < 2

Sallariz Add (ILSOA, pH < 1

Preservation Codes:

TEST PARAMETERS

CHAIN OF CUSTODY FORM(S) Date Received: 29-Jun-10 16:00 Little Rock, AR 72201-4087 Project: Monticello Soil Samples . Thiosalfate for Dechlorination . Indrochoris Acid(HCI) Sodium Flydraside (NaOH), pH > 12 fistfe Type Code G • Cas ? • fields V = Scances, A = Andr

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Samptor(s) Signature		JE mplor(s) Print	ESSEJAMO 100	ΞS	pu	X	MG.N					Arkansas Analytical Work Order Number:	
	COLLECTION Time/s grad	ab Camp Battas		SAMPLE ATION DESCRIPTION	Ś	F	CP,					1006389	
			mont	ing			×						
3. Relinguisted by: (Signature) Jossan Markov 3. Relinguisted by: (Signature)	Date(Time 6/29/10 14:00 Date(Time		a <u>toviate (Signaturo)</u> 1 DV Iate: (Signaturo) 2 U.S. Downed	SAMPLE CONDITION UPON A. CUSTODY SEALS: A. COONTAINERS CORRECT: B. COONTAINERS CORRECT: B. COONTAINERS AGREE: A. PRESERVATION CONFIRMED: 5. RECEIVED ON ICCE: 3. TEMPERATURE ON RECEIPT: FOR COMPLETION BY	Vn + + + 10°	n n n n t	No No No No	R P.O. Numb	districture:	S / SAMPL	ECOMN	IENTS	

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72 Hour

Routine (5 Oay)

Presentitive Code

Botte Type

P.O. Box 34087

McCtelland Consulting Engineers, Inc.

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CITY OF MONTICELLO P.O. Box 505 Monticello, AR 71657

TO;

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Ms. Cindy Garner, Branch Manager Water Division/Enforcement Branch Arkansas Department of Environmental 'Quality 5301 Northshore Drive North Little Rock, AR 72118-5317



A Proud Heritage, A Promising Future . . .

April 20, 2011

Ms. Cindy Garner, Branch Manager Water Division/Enforcement Branch Arkansas Department of Environmental Quality 5301 Northshore Drive North Little Rock, AR 72118-5317

RE: NPDES Permit# AR0021822/West Plant NPDES Permit# AR0021831/East Plant AFIN: 22-00037 Compliance Inspection- January 31, 2011

Dear Ms. Garner:

Please find the enclosed pictures pertaining to the Compliance Inspection by Mr. John W. Lamb, District 8 Field Inspector.

I have labeled the pictures for your information. We just wanted you to know that we have made significant head-way on correcting several of the findings.

Thank you for your consideration of these photos.

Sincerely,

L.M. Wood General Superintendant

f.M. Wood

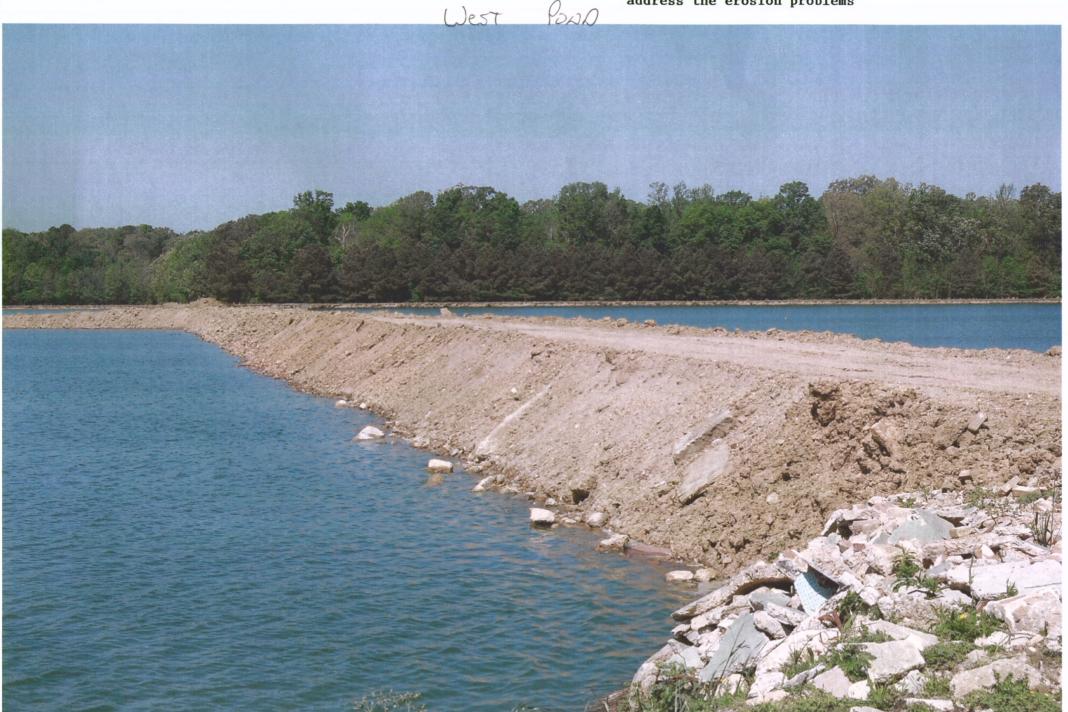
Finding #3/Facility has levees with excessive erosion Picture shows dirt work being done on the levees to address the erosion problems



Uest Power Principal Finding #3/Facility has levees with excessive erosion. Picture shows dirt work being done on the levees to address the erosion problems

April 2011

Finding #3/Facility has levees with excessive erosionPicture shows dirt work being done on the levees to address the erosion problems



Finding #3/Facility has levees with excessive erosion Picture shows dirt work being done on the levees to address the erosion problems





West Parl

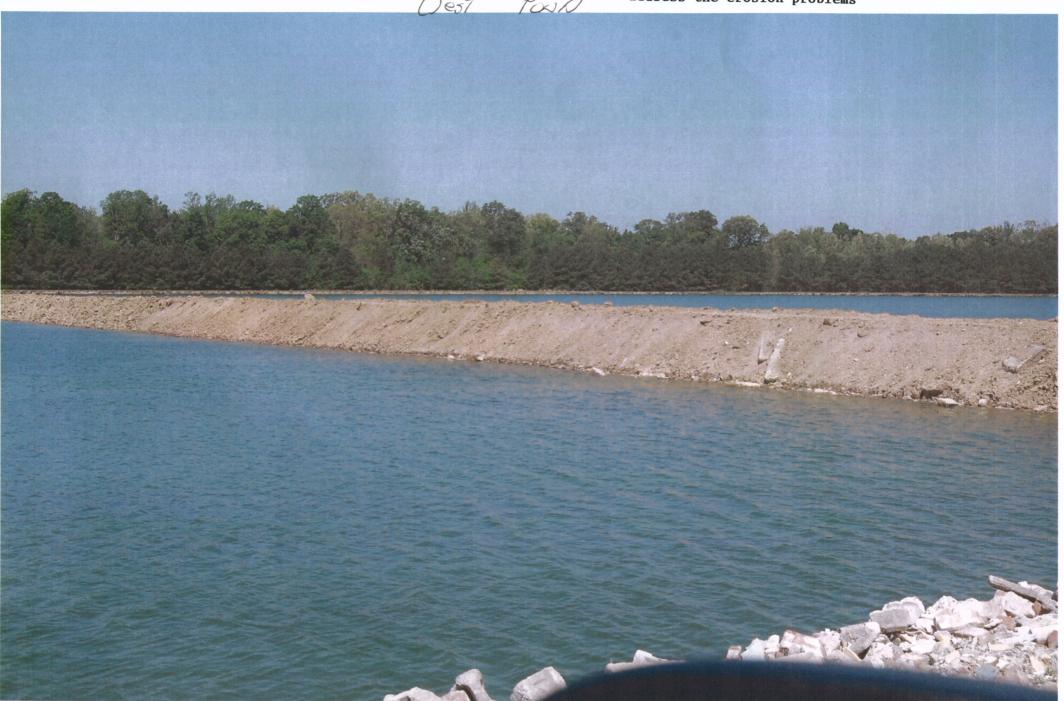
Finding #3/Facility has levees with excessive erosion Picture shows dirt work being done on the levees to address the erosion problems



April 2011

DEST POND

Finding #3/Facility has levees with excessive erosion Picture shows dirt work being done on the levees to address the erosion problems



April 2011

Finding #3/Facility has leeves with excessive erosion Picture shows dirt work being done on the levees to address the erosion problems



City of Monticello West Plant/NPDES Permit # AR0021822 Finding #3 Facility has levees with excessive erosion Picture shows dirt work being done on the levees to address the erosion problems West Paul

Finding #3/Facility has levees with excessive erosion

Vest POND

Picture shows dirt work being done on the levees to address the erosion problems



Finding #2/Influent Bar Scren not Working Picture shows replacement of Rakes on Bar Screen

West POLI

Finding #2/Influent Bar Screen not Working Picture shows replacement of Rakes on Bar Screen

West Paulo





Finding #2/Influent Bar Screen not Working Picture shows replacement of Rakes on Bar Screen



Finding #3/Influent Bar Screen Not Working

RODA

EAST

(0)

MARRITIC CONNE

Picture shows replacement of Rakes on Bar Screen



Finding #3/Influent Bar Screen not Working

EAST BAD

Picture shows replacement of Rakes on Bar Screen

Finding #3/Influent Bar Screen Not Working Picture shows replacement of Rakes on Bar Screen





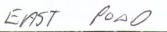
Finding #4/Facility has old Equipment that was exposed to Precipitation

7 Picture shows clean-up of Facility

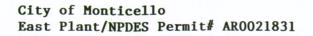
EAST

Pow

Finding #4/Facility has old Equipment that was exposed to Precipitation Picture shows clean-up of Facility

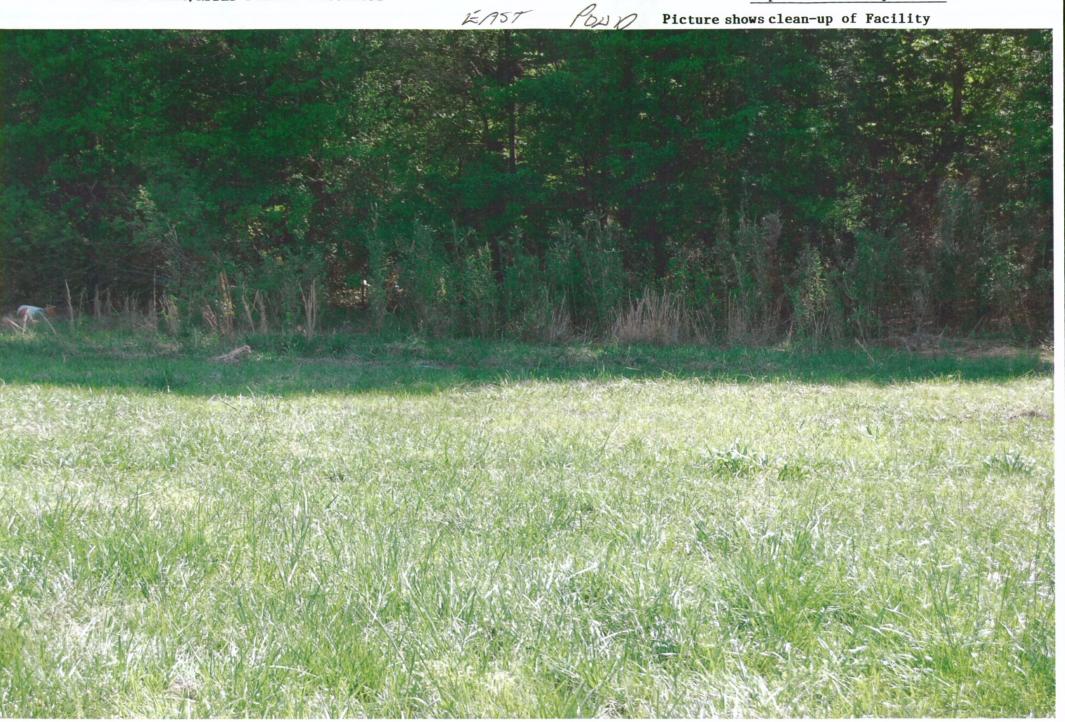






Finding #4/Facility has old Equipment that was exposed to Precipitation

Picture shows clean-up of Facility



Finding #4/Facility has old Equipment that was <u>exposed to Precipitation</u> Picture shows before clean-up of Facility

PONDS

EAST



Finding #4/Facility has old Equipment that was exposed to Precipitation Picture shows before clean-up of Facility

EAST POND



Finding #4/Facility had old Equipment that was exposed to Precipitation

Picture shows before clean-up of Facility

POND





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