



ARKANSAS
Department of Environmental Quality

April 14, 2014

Mr. Leon Starks, Assistant Director
Arkansas Department of Correction
P.O. Box 7807
Pine Bluff, AR 71601

RE: Compliance Inspections (Izard Co)
AFIN: 33-00036 **NPDES Permit No.: AR0044016**
AR0044016C
ARR150000

Dear Mr. Starks:

On March 20, 2014, I performed routine compliance inspections of the wastewater treatment facility and construction activity associated with the Izard County Corrections 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 violations:

AR0044016

1. The Operators of the facility are only licensed as Class I and/or Class II Operators. **This is a violation of Part II.1 of your permit.**
2. The secondary flow measuring device has not been calibrated nor have calibration checks been performed. **This is a violation of Part II.3 of your permit.**
3. The facility is not preparing and maintaining a record or a certification statement on each batch of land applied biosolids as required by the permit. **This is a violation of Part II.5.d of your permit.**
4. Biosolids analyses and reporting have not been performed. **This is a violation of Part II.5.n of your permit.**
5. The facility land applied biosolids after February 1, 2013 (see Attachment #1). **This is a violation of Part II.6 of your permit.**
6. There were large amounts of trash floating in the oxidation ditch (see Photos 1 – 2). **This is a violation of Part III.B.1 of your permit.**

AR0044016C

No violations were noted during the inspection.

ARR150000 (Small Construction Site)

An exercise area is being constructed at the facility. This inspection revealed that current site plans will result in less than five (5) acres of disturbed soils; and therefore, the site is automatically covered by NPDES Permit ARR150000. The inspection revealed the following violations:

1. Sediment from the disturbed area was observed in a freshwater pond on the property, and no Best Management Practices (BMPs) were installed to prevent stormwater from leaving the construction site (see Photos 3 – 6). **This is a violation the Arkansas A.C.A. §8-4-217 (a) (2)** which states, "It shall be unlawful for any person to place or cause to be placed any sewage, industrial waste, or other wastes in a location where it is likely to cause pollution of any waters of this state."
2. The site was not posted as required by **Part II.A.2.D** of the referenced permit. The Notice of Coverage (NOC), Storm Water Pollution Prevention Plan (SWPPP) template, and inspection form have been included with this report. For more information about the Small Construction Site general permit (ARR150000), please contact Jamal Solaimanian, General Permits section at (501) 682-0620.

The above items require your immediate attention. Please submit a written response to these findings to the Water Division Inspection Branch of this Department. This response should be mailed to the address at the bottom of the first page of the letter or e-mailed to Water-Inspection-report@adeq.state.ar.us. This response should contain documentation describing the course of action taken to correct each item noted. This corrective action should be completed as soon as possible, and the written response with all necessary documentation (i.e. photos) is due by **April 28, 2014**.

If I can be of any assistance, please contact me at saunders@adeq.state.ar.us or 870-424-3322.

Sincerely,



Sean Saunders
District 11 Field Inspector
Water Division



Form Approved
OMB No. 2040-0003

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

NPDES Compliance Inspection Report

Section A: National Data System Coding

Transaction Code	NPDES	Yr/Mo/Day	Inspec. Type	Inspector	Fac. Type
1 <input type="text" value="N"/> 2 <input type="text" value="5"/> 3 <input type="text" value="A"/> <input type="text" value="R"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="4"/> <input type="text" value="4"/> <input type="text" value="0"/> <input type="text" value="1"/> <input type="text" value="6"/> 11 <input type="text" value="1"/> <input type="text" value="4"/> <input type="text" value="0"/> <input type="text" value="3"/> <input type="text" value="2"/> <input type="text" value="0"/> 17 <input type="text" value="C"/> 19 <input type="text" value="S"/> 20 <input type="text" value="2"/>	Remarks				
<input type="text" value="A"/> <input type="text" value="F"/> <input type="text" value="I"/> <input type="text" value="N"/> <input type="text" value="3"/> <input type="text" value="3"/> <input type="text" value="-"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="3"/> <input type="text" value="6"/>					
Inspection Work Days	Facility Evaluation Rating	BI	QA	-----Reserved-----	
67 <input type="text"/> <input type="text"/> <input type="text"/> 69	70 <input type="text" value="1"/>	71 <input type="text" value="N"/>	72 <input type="text" value="N"/>	73 <input type="text"/>	74 <input type="text"/> 75 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 80

Section B: Facility Data

Name and Location of Facility Inspected (<i>For industrial users discharging to POTW, also include POTW name and NPDES permit number</i>) Arkansas Department of Corrections Wastewater Treatment Plant Izard County Correction Facility 2.5 miles north of Calico Rock off Highway #5 Calico Rock, Arkansas (Izard County)	Entry Time/Date 9:00 3/20/2014	Permit Effective Date February 1, 2011
	Exit Time/Date 12:00 3/20/2014	Permit Expiration Date January 31, 2016
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Danny Blankenship / Maintenance Supervisor / 870-297-3304	Other Facility Data N36°09'58.701" W92°09'06.436" PDS# 077257	
Name, Address of Responsible Official/Title/Phone and Fax Number Leon Starks / Assistant Director / 870-267- 6625 Arkansas Department of Correction P.O. Box 8707 Pine Bluff, AR 71601	Contacted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

S	Permit	U	Flow Measurement	M	Operations & Maintenance	N	Sampling
U	Records/Reports	M	Self-Monitoring Program	U	Sludge Handling/Disposal	M	Pollution Prevention
M	Facility Site Review	U	Compliance Schedules	N	Pretreatment	N	Multimedia
S	Effluent/Receiving Waters	S	Laboratory	S	Storm Water	N	Other:

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

1. **The Operators of the facility are only licensed as Class I and Class II Operators.**
2. **The secondary flow measuring device has not been calibrated nor have calibration checks been performed to ensure compliance.**
3. **The facility is not preparing and maintaining on file a certification statement on each batch of land applied biosolids as required by the permit.**
4. **Biosolids analyses and reporting have not been performed.**
5. **The facility land applied biosolids after February 1, 2013.**
6. **There were large amounts of trash floating in the oxidation ditch.**

Name(s) and Signature(s) of Inspector(s) <div style="text-align: center;"> Sean Saunders</div>	Agency/Office/Telephone/Fax AR Dept. of Environmental Quality Mountain Home (870) 424-3322	Date April 11, 2014
Signature of Reviewer Kerri McCabe	Agency/Office/Phone and Fax Numbers ADEQ / NLR / 501-682-0642	Date April 14, 2014

SECTION A: PERMIT VERIFICATION

PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS

S M U NA NE

DETAILS:

1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE: Y N NA NE
2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES: Y N NA NE
3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT: Y N NA NE
4. ALL DISCHARGES ARE PERMITTED: Y N NA NE

SECTION B: RECORDKEEPING AND REPORTING EVALUATION

RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT

S M U NA NE

DETAILS:

1. ANALYTICAL RESULTS CONSISTENT WITH DATA REPORTED ON DMRS: Y N NA NE
2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE: S M U NA NE
- a. DATES AND TIME(S) OF SAMPLING: Y N NA NE
- b. EXACT LOCATION(S) OF SAMPLING: Y N NA NE
- c. NAME OF INDIVIDUAL PERFORMING SAMPLING: Y N NA NE
- d. ANALYTICAL METHODS AND TECHNIQUES: Y N NA NE
- e. RESULTS OF CALIBRATIONS: Y N NA NE
- f. RESULTS OF ANALYSES: Y N NA NE
- g. DATES AND TIMES OF ANALYSES: Y N NA NE
- h. NAME OF PERSON(S) PERFORMING ANALYSES: Y N NA NE
3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE: S M U NA NE
4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR: S M U NA NE
5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA: Y N NA NE

SECTION C: OPERATIONS AND MAINTENANCE

TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED

S M U NA NE

DETAILS:

1. TREATMENT UNITS PROPERLY OPERATED: Large amount of trash in oxidation ditch S M U NA NE
2. TREATMENT UNITS PROPERLY MAINTAINED: S M U NA NE
3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED: S M U NA NE
4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE: S M U NA NE
5. ALL NEEDED TREATMENT UNITS IN SERVICE: S M U NA NE
6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED: one class II operator and one class I operator S M U NA NE
7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED: S M U NA NE
8. OPERATION AND MAINTENANCE MANUAL AVAILABLE: Y N NA NE
9. STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED: Y N NA NE
10. PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED: Y N NA NE
11. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR: Y N NA NE
12. IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED: Y N NA NE
13. HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS: Y N NA NE
14. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT: Y N NA NE
15. IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT: Y N NA NE

SECTION D: SAMPLING

PERMITTEE SAMPLING MEETS PERMIT REQUIREMENTS

S M U NA NE

DETAILS:

1. SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
2. LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
3. FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
4. SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
5. SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
6. SAMPLE COLLECTION PROCEDURES ADEQUATE:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
a. SAMPLES REFRIGERATED DURING COMPOSITING:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
b. PROPER PRESERVATION TECHNIQUES USED:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
c. CONTAINERS AND SAMPLE HOLDING TIMES CONFORM TO 40 CFR 136:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
7. IF MONITORING IS PERFORMED MORE OFTEN THAN REQUIRED ARE RESULTS REPORTED ON THE DMR:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE

SECTION E: FLOW MEASUREMENT

PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS

S M U NA NE

DETAILS:

1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED:___ TYPE OF DEVICE: <u>60 degree v-notch weir</u>	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
4. CALIBRATION FREQUENCY ADEQUATE:	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
5. RECORDS MAINTAINED OF CALIBRATION PROCEDURES:	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
6. CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE:	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
7. FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
8. FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
9. HEAD MEASURED AT PROPER LOCATION:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE

SECTION F: LABORATORY

PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS

S M U NA NE

DETAILS:

1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(B) FOR SLUDGES) :	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
4. QUALITY CONTROL PROCEDURES ADEQUATE:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
5. DUPLICATE SAMPLES ARE ANALYZED \geq 10% OF THE TIME:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
6. SPIKED SAMPLES ARE ANALYZED \geq 10% OF THE TIME:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
7. COMMERCIAL LABORATORY USED:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
a. LAB NAME: <u>McClelland Consulting Engineers Inc.</u>	
b. LAB ADDRESS: <u>P.O. Box 34087, Little Rock, AR 72203-4087</u>	
c. PARAMETERS PERFORMED: <u>DO, pH, TSS, NH3-N, Nitrate-Nitrogen, Fecal Coliform, CBOD5</u>	
8. BIOMONITORING PROCEDURES ADEQUATE:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
a. PROPER ORGANISMS USED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
b. PROPER DILUTION SERIES FOLLOWED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
c. PROPER TEST METHODS AND DURATION:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
d. RETESTS AND/OR TRE PERFORMED AS REQUIRED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE

SECTION G: EFFLUENT/RECEIVING WATERS OBSERVATIONS

BASED ON VISUAL OBSERVATIONS ONLY S M U NA NE

DETAILS:

OUTFALL #:	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOATING SOLIDS	COLOR	OTHER
001	None	None	None	None	None	Clear	--

SECTION H: SLUDGE DISPOSAL

SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS S M U NA NE

DETAILS: **Unpermitted**

1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY:	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503:	<input type="checkbox"/> S <input checked="" type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
3. FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO: (E.G., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE): <u>Agricultural</u>	

SECTION I: SAMPLING INSPECTION PROCEDURES

SAMPLE RESULTS WITHIN PERMIT REQUIREMENTS S M U NA NE

DETAILS:

1. SAMPLES OBTAINED THIS INSPECTION:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
2. TYPE OF SAMPLE: <input type="checkbox"/> GRAB:___ <input type="checkbox"/> COMPOSITE:___ METHOD:___ FREQUENCY:___	
3. SAMPLES PRESERVED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
4. FLOW PROPORTIONED SAMPLES OBTAINED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
6. SAMPLE REPRESENTATIVE OF VOLUME AND NATURE OF DISCHARGE:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
7. SAMPLE SPLIT WITH PERMITTEE:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE

SECTION J: STORM WATER POLLUTION PREVENTION PLAN

STORM WATER MANAGEMENT MEETS PERMIT REQUIREMENTS S M U NA NE

DETAILS:

1. SWPPP UPDATED AS NEEDED:___ DATE OF LAST UPDATE:___	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
2. SITE MAP INCLUDING ALL DISCHARGES AND SURFACE WATERS:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
3. POLLUTION PREVENTION TEAM IDENTIFIED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
4. POLLUTION PREVENTION TEAM PROPERLY TRAINED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
5. LIST OF POTENTIAL POLLUTANT SOURCES:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
6. LIST OF POTENTIAL SOURCES AND PAST SPILLS AND LEAKS:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
7. ALL NON-STORM WATER DISCHARGES ARE AUTHORIZED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
8. LIST OF STRUCTURAL BMPS:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
9. LIST OF NON-STRUCTURAL BMPS:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
10. BMPS PROPERLY OPERATED AND MAINTAINED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE
11. INSPECTIONS CONDUCTED AS REQUIRED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> NE

FLOW CALCULATION SHEET

Date:	3/20/2014	Time:	10:30		
Head in Inches:	15.75	Feet:	1.31		
Type & Size of Primary Flow Measurement Device: 60° V-Notch Weir					
Name & Model of Secondary Flow Measurement Device:				Siemens HydroRanger 200	
Date of last Calibration of Secondary Flow Device:				N/A	
Recorded Flow at Date & Time Listed Above:				615.7 GPM	(Facility Flow Meter)
Calculated Flow at Date & Time Listed Above:				1272 GPM	
(Flow is calculated using flow charts in: <u>ISCO Open Channel Flow Measurement Handbook-5th Edition</u>)					
% Error =	Recorded Value	-	Calculated Value	X 100	
	Calculated Value				
% Error =	615.7	-	1272	X 100	-51.59
	1272				
% Error =				X 100	
% Error =				X 100	
% Error =	-51.59	%			
Comments: <u>Out of calibration</u>					

DMR Calculation Check

Reporting Period: From 2013 12 1 To 2013 12 31
Year Month Day Year Month Day

Parameter Checked: pH

Loading Mass Mo. Avg. - lbs/day	Concentration Monthly Min. S.U.	Max. S.U.
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Reported Value:	<u> N/A </u>	<u> 7.79 </u>	<u> 7.79 </u>
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Calculated Value:	<u> N/A </u>	<u> 7.79 </u>	<u> 7.79 </u>
--------------------------	--------------------	---------------------	---------------------

Permit Value:	<u> N/A </u>	<u> 6 </u>	<u> 9 </u>
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If calculated value does not equal reported value, explain:

DMR Calculation Check

Reporting Period: From 2013 3 1 To 2013 3 31
Year Month Day Year Month Day

Parameter Checked: pH

	Loading Mass Mo. Avg. - lbs/day	Concentration Monthly Min. S.U.	Max. S.U.
Reported Value:	<u>N/A</u>	<u>7.52</u>	<u>7.52</u>
Calculated Value:	<u>N/A</u>	<u>7.52</u>	<u>7.52</u>
Permit Value:	<u>N/A</u>	<u>6</u>	<u>9</u>

If calculated value does not equal reported value, explain:

Water Division NPDES Photographic Evidence Sheet

Location: Izard County Correction Facility, Calico Rock

Photographer: Sean Saunders **Witness:** Kerri McCabe

Photo # 1 **Of** 6 **Date:** 3/20/2014 **Time:** 10:18

Description: Trash in oxidation ditch.



Photographer: Sean Saunders **Witness:** Kerri McCabe

Photo # 2 **Of** 6 **Date:** 3/20/2014 **Time:** 10:19

Description: Trash in oxidation ditch.



Water Division NPDES Photographic Evidence Sheet

Location: Izard County Correction Facility, Calico Rock

Photographer: Sean Saunders **Witness:** Kerri McCabe

Photo # 3 **Of** 6 **Date:** 3/20/2014 **Time:** 11:23

Description: Sediment flowing from construction area.



Photographer: Sean Saunders **Witness:** Kerri McCabe

Photo # 4 **Of** 6 **Date:** 3/20/2014 **Time:** 11:24

Description: Close up of sediment in ditch.



Water Division NPDES Photographic Evidence Sheet

Location: Izard County Correction Facility, Calico Rock

Photographer: Sean Saunders **Witness:** Kerri McCabe

Photo # 5 **Of** 6 **Date:** 3/20/2014 **Time:** 11:28

Description: Sediment in ditch flowing to pond.



Photographer: Brent Walker **Witness:** Kerri McCabe

Photo # 6 **Of** 6 **Date:** 3/20/2014 **Time:** 11:29

Description: Outfall at the pond.





Arkansas Department of Correction

Danny Blankenship,
Maintenance Director
AR Dept of Correction
North Central Unit
10 Prison Circle
Calico Rock, Arkansas
72519-0300
Phone: (870) 297-3304
Fax: (870) 297-4388

To: Miss Tiffany Williams
From: Mr. Danny Blankenship, Maintenance Director
Date: May 7, 2014
Re:

05/07/2014

This is in response to ADEQ Compliance Inspections Iazard Co conducted on March 20th, 2014.

1. The operators of the facility are only licensed as Class I and/or Class II operators. This is a violation of Part II.1 of your permit. **Attending class in Lonoke Nov 17 to 21**
2. The secondary flow measuring device has not been calibrated nor have calibration checks been performed. This is a violation of Part II.3 of your permit. **Calibrated on 4/28/2014.**
3. The facility is not preparing and maintaining a record or a certification statement on each batch of land applied biosolids as required by the permit. This is a violation of Part II.5.d of your permit. **Here is a copy for 2013 where biosolids were placed. See attachment.**
4. Biosolids analyses and reporting have not been performed. This is a violation of Part II.5n of your permit. **See enclosure McClelland Consulting Engineers**
5. The facility land applied biosolids after February 1, 2013 (see attachment #1). This is a violation of Part II.6 of your permit. **McClelland Consulting Eng. working of this item.**
6. There were large amounts of trash floating in the oxidation ditch. This is a violation of Part III.B.1 of your permit. **Placed second Bar screen in.**

Thank You Danny Blankenship

North Central (copy)



Bill Miles

March 31, 2014
Control No. 124807
Page 1 of 1

ATTN: Danny Blankowhip

MOOREHEAD CONSULTING ENGINEERS, INC.
11100 15th Street
PO Box 5007
MOOREHEAD, AR 72203-4007

This report contains the analytical results and supporting information for the sample submitted on March 20, 2014. It includes a copy of the Chain of Custody and/or other documents received. Note that any remaining sample is guaranteed for two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the original report.

This report has been reviewed by the Laboratory Director or a qualified designee.

[Signature]
John Cupitney
Laboratory Director

This report has been distributed to the following:

MOOREHEAD CONSULTING ENGINEERS, INC.
ATTN: Mr. Bill Miles
bmm@moorehead-engr.com



Defendant Consulting Engineers, Inc.
4000 Bayview Blvd. Suite 100
Baltimore, MD 21206-4087

Case No. 2014-0001
Page 1 of 1

SAMPLE INFORMATION

Project Description:

Three (3) water samples received on March 20, 2014

Receipt Details:

Receipt # 1500003 was provided. The samples were delivered in one (1) ice chest

Each sample container was pre-labeled for proper labeling including date and time sampled. Sample containers were provided with the type, quantity, volume, weight, temperature, preservation, and holding times. Any exceptions to the type

Sample Identification:

Sample ID	Client Sample ID	Sampled Date/Time	Notes
0001	Galco Park 2/14	19 Mar 2014	1

Notes:

1. Sample label was incomplete in regard to date/time of sampling

Qualifiers:

- ☐ Analytical holding time exceeded regulatory requirements
- ☐ Analytical results are invalid due to the high concentration of analyte in the spiked sample

Other Remarks:

See attached sludges and reports for a dry-weight basis unless otherwise specified.

References:

- "Manual for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-83-010 (Jun 1991), EPA/600/4-92-128 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
- "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
- "Standard Methods for the Examination of Water and Wastewaters" 21st edition.
- "American Society for Testing and Materials" (ASTM).
- "Association of Analytical Chemists" (AOAC).



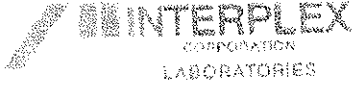
15000 American Interplex Parkway, Suite 100
 Dallas, Texas 75244-3287
 Phone: (972) 412-4638

Method: 7.1.1
 Control No.: 172707
 Page: 2 of 4

ANALYTICAL RESULTS

Site No.: 150113
 Sample Identification: Cedar Run - S10

Analyte	Result	RL	Units	Qualifier
pH	6.8		Units	H
Ammonia	0.00		Batch: 536402	
Ammonia as N	23	0.01	mg/L	
Ammonia as N	64	0.01	mg/L	
Ammonia as N	6700	500	mg/Kg	
Total Kjeldahl Nitrogen	250000	40000	mg/Kg	
Arsenic	< 5	5	mg/Kg	
Cadmium	< 0.4	0.4	mg/Kg	
Copper	140	0.6	mg/Kg	
Lead	< 4	4	mg/Kg	
Nickel	7.9	1	mg/Kg	
Phosphorus	9500	10	mg/Kg	
Selenium	2300	100	mg/Kg	
Silver	< 7	7	mg/Kg	
Zinc	250	0.2	mg/Kg	
Nitrate	< 0.1	0.1	mg/Kg	
Nitrate as Nitro as N	< 3	3	mg/Kg	



Washington Consulting Engineers, Inc.
 2000 Office Bldg. #4087
 Cambridge, WA 92300-4087

DUPLICATE RESULTS

Analyte	A/C No.	Result	RPD		Preparation Date	Analysis Date	QU	LMD
			RPD	Limit				
Aluminum	Batch: W44027	0.6 ppm	1.90	5.00	20Mar14 1449 by 33	25Mar14 1301 by 17		
	1750071	25 wt %			21Mar14 0957 by 27	25Mar14 1025 by 17		
	Batch: W44028	0.6 ppm	2.40	10.0	21Mar14 0635 by 27	25Mar14 1021 by 17		
Cadmium	1286007	36 wt %			21Mar14 0936 by 27	25Mar14 1020 by 17		
	Batch: W44028	0.6 ppm	19.7	20.0	21Mar14 0635 by 27	25Mar14 1021 by 17		

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Sample Amount	%	Limits	RPD		Batch	Preparation Date	Analysis Date	QU	LMD
				RPD	Limit					
Aluminum	1.00 g	100	80.0-120			W47027	20Mar14 1452 by 33	25Mar14 1301 by 17		
Arsenic (As)	20.0 mg/kg	100	80.0-120			W47010	20Mar14 0912 by 25	21Mar14 0912 by 27		
Total Asbestos (Surrogate)	50.0 mg/kg	100	80.0-120			W47030	20Mar14 1645 by 308	25Mar14 1624 by 193		
Cadmium	50.0 mg/kg	100	80.0-115			S36493	24Mar14 1025 by 305	25Mar14 1245 by 305		
Chromium	50.0 mg/kg	100	80.0-110			S36493	24Mar14 1025 by 305	25Mar14 1245 by 305		
Copper	50.0 mg/kg	100	80.0-115			S36493	24Mar14 1025 by 305	25Mar14 1245 by 305		
Lead	5.00 mg/kg	100	80.0-115			S36493	24Mar14 1025 by 305	25Mar14 1245 by 305		
Manganese	50.0 mg/kg	100	80.0-115			S36493	24Mar14 1025 by 305	25Mar14 1245 by 305		
Mercury	10.0 mg/kg	100	80.0-115			S36493	24Mar14 1025 by 305	25Mar14 1245 by 305		
Nickel	5.00 mg/kg	100	80.0-115			S36493	24Mar14 1025 by 305	25Mar14 1245 by 305		
Selenium	5.00 mg/kg	100	80.0-115			S36493	24Mar14 1025 by 305	25Mar14 1245 by 305		
Vanadium	12.0 mg/kg	100	80.0-115			S36493	24Mar14 0922 by 211	25Mar14 1130 by 211		
Zinc (Surrogate)	50.0 mg/kg	100	80.0-110			C16360	20Mar14 1645 by 305	21Mar14 1645 by 305		



Professional Consulting Engineers, Inc.
 1000 Cedar Bay Road
 Jacksonville, FL 32217-2400

MOE

MOE
 1000 Cedar Bay Road
 Jacksonville, FL 32217-2400
 Page 6 of 7

MATRIX SPIKE SAMPLE RESULTS

Sample	Sample Amount	%	Limit	Batch	Preparation Date	Analysis Date	DB	DB 1
170518-1	250.0 mg/Kg		80.0-120	170518	20Mar14 0912 by 303	20Mar14 1105 by 303		
	100.0 mg/Kg		80.0-120	170518	20Mar14 0912 by 303	20Mar14 1105 by 303		
	Relative Percent Difference	2.12	20.0	170518				
170519-1	100.0 mg/Kg		80.0-120	170519	20Mar14 1045 by 303	20Mar14 1056 by 303		
	100.0 mg/Kg		80.0-120	170519	20Mar14 1045 by 303	20Mar14 1056 by 303		
	Relative Percent Difference	12.0	20.0	170519				
170520-1	100.0 mg/Kg	99.0	75.0-125	170520	20Mar14 1025 by 303	20Mar14 1211 by 303		
	100.0 mg/Kg	99.0	75.0-125	170520	20Mar14 1025 by 303	20Mar14 1211 by 303		
	Relative Percent Difference	0.182	20.0	170520				
170521-1	40.0 mg/Kg	97.0	75.0-125	170521	20Mar14 1025 by 303	20Mar14 1211 by 303		
	40.0 mg/Kg	98.1	75.0-125	170521	20Mar14 1025 by 303	20Mar14 1211 by 303		
	Relative Percent Difference	0.442	20.0	170521				
170522-1	40.0 mg/Kg	97.0	75.0-125	170522	20Mar14 1025 by 303	20Mar14 1211 by 303		
	40.0 mg/Kg	98.1	75.0-125	170522	20Mar14 1025 by 303	20Mar14 1211 by 303		
	Relative Percent Difference	0.367	20.0	170522				
170523-1	40.0 mg/Kg	99.5	75.0-125	170523	20Mar14 1025 by 303	20Mar14 1211 by 303		
	40.0 mg/Kg	99.0	75.0-125	170523	20Mar14 1025 by 303	20Mar14 1211 by 303		
	Relative Percent Difference	0.501	20.0	170523				
170524-1	40.0 mg/Kg	97.4	75.0-125	170524	20Mar14 1025 by 303	20Mar14 1211 by 303		
	40.0 mg/Kg	97.8	75.0-125	170524	20Mar14 1025 by 303	20Mar14 1211 by 303		
	Relative Percent Difference	0.209	20.0	170524				
170525-1	40.0 mg/Kg	93.5	75.0-125	170525	20Mar14 1025 by 303	20Mar14 1211 by 303		
	40.0 mg/Kg	95.2	75.0-125	170525	20Mar14 1025 by 303	20Mar14 1211 by 303		
	Relative Percent Difference	1.76	20.0	170525				
170526-1	40.0 mg/Kg	95.0	75.0-125	170526	20Mar14 1025 by 303	20Mar14 1211 by 303		
	40.0 mg/Kg	95.0	75.0-125	170526	20Mar14 1025 by 303	20Mar14 1211 by 303		
	Relative Percent Difference	0.004	20.0	170526				
170527-1	40.0 mg/Kg	97.0	75.0-125	170527	20Mar14 1025 by 303	20Mar14 1211 by 303		
	40.0 mg/Kg	98.0	75.0-125	170527	20Mar14 1025 by 303	20Mar14 1211 by 303		
	Relative Percent Difference	0.101	20.0	170527				
170528-1	40.0 mg/Kg		75.0-125	170528	20Mar14 1025 by 303	20Mar14 1211 by 303		
	40.0 mg/Kg		75.0-125	170528	20Mar14 1025 by 303	20Mar14 1211 by 303		
	Relative Percent Difference	1.53	20.0	170528				
170529-1	2.4 mg/Kg	91.0	75.0-125	170529	20Mar14 0912 by 303	20Mar14 1105 by 303		
	2.4 mg/Kg	91.5	75.0-125	170529	20Mar14 0912 by 303	20Mar14 1105 by 303		
	Relative Percent Difference	0.02	20.0	170529				
170530-1	77.0 mg/Kg	107	80.0-120	170530	20Mar14 1045 by 303	20Mar14 1056 by 303		
	77.0 mg/Kg	105	80.0-120	170530	20Mar14 1045 by 303	20Mar14 1056 by 303		
	Relative Percent Difference	0.03	10.0	170530				



1401 Warren Building Engineers 150
 4000 Perry Road 24087
 Columbia, SC 29904-4087

LABORATORY BLANK RESULTS

	Result	RL	PQL	Q1	Sample	Preparation Date	Analyze Date	Area
Asbestos	< 0.01 w/w	0.01	0.01		VA7051-1	23Mar14 1630 by 277	23Mar14 1630 by 277	
Chrysotile	< 0.01 w/w	0.01	0.01		VA7051-1	23Mar14 1630 by 277	23Mar14 1630 by 277	
Amphibole	< 2 mg/kg	2	2		VA7013-1	23Mar14 0810 by 271	23Mar14 0810 by 271	
Chrysotile	< 10 mg/kg	10	10		VA7035-1	23Mar14 1625 by 300	23Mar14 1625 by 300	
Amphibole (excluding chrysotile)	< 5 mg/kg	5	5		S36493-1	24Mar14 1625 by 301	24Mar14 1625 by 301	
Chrysotile	< 0.4 mg/kg	0.4	0.4		S36493-1	24Mar14 1625 by 306	24Mar14 1625 by 306	
Amphibole	< 0.4 mg/kg	0.4	0.4		S36493-1	24Mar14 1625 by 306	24Mar14 1625 by 306	
Chrysotile	< 0.4 mg/kg	0.4	0.4		S36493-1	24Mar14 1625 by 306	24Mar14 1625 by 306	
Amphibole	< 10 mg/kg	10	10		S36493-1	24Mar14 1625 by 306	24Mar14 1625 by 306	
Chrysotile	< 100 mg/kg	100	100		S36493-1	24Mar14 1625 by 306	24Mar14 1625 by 306	
Amphibole	< 7 mg/kg	7	7		S36493-1	24Mar14 1625 by 306	24Mar14 1625 by 306	
Chrysotile	< 0.2 mg/kg	0.2	0.2		S36493-1	24Mar14 1625 by 306	24Mar14 1625 by 306	
Amphibole	< 0.1 mg/kg	0.1	0.1		S36493-1	24Mar14 1625 by 311	24Mar14 1625 by 311	
Chrysotile	< 0.4 mg/kg	0.4	0.4		C16948-1	23Mar14 1645 by 277	23Mar14 1645 by 277	



CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

PAGE 1 of 1
MIC CONTROLS
17670
MICROCONTROLS

17670

Client: MCE
Project: [Blank]
Reference: [Blank]
Manager: Bill Miles
Client: Justice Bryant
Address: 10555a Bryant
City: Dallas, TX
State: TX
Zip: 75243
Date of Sample: 3/13/14
Date of Collection: 3/13/14

ANALYSIS REQUESTED: SOIL
NO. OF BOTTLES: 1
BY: Steve
DATE: 3/13/14

NO.	DESCRIPTION	BY	DATE

LABORATORY USE ONLY:
RECEIVED: [Blank]
BY: [Blank]
DATE: [Blank]

ANALYST: [Blank]
DATE: [Blank]

PREPARED AT LAB: [Blank]
DATE/TIME: [Blank]

Invoice

Calibration & Controls, Inc.

Jeff Porterfield
 1156 Salem Road
 Benton, AR 72019
 #501-316-3285 Fax #501-794-3285

DATE	INVOICE #
4/28/2014	7006

BILL TO
Arkansas Dept. of Corrections/N.Central Danny Blakenship 10 Prison Circle Calico Rock, AR 72519

P.O. NO.	TERMS	REQUESTED BY	SERVICE DATE
4501439083	Due on receipt	D. Blakenship	4/28/2014

DESCRIPTION	QTY	RATE	AMOUNT
North Central Unit, Calico Rock, AR Calibrate effluent flowmeter. Calibration Report enclosed. Labor 8 hrs. x \$85.00 hr.	8	85.00	680.00

Service fee of 1.5% per month or the maximum allowed by law, whichever is higher, will be added to all past due invoices.	Subtotal	\$680.00
	Sales Tax (9.0%)	\$61.20
	Total	\$741.20
	Payments/Credits	\$0.00
	Balance Due	\$741.20





ADEQ

A R K A N S A S
Department of Environmental Quality

June 5, 2014

Mr. Leon Starks, Assistant Director
Arkansas Department of Correction
P.O. Box 7807
Pine Bluff, AR 71601

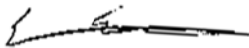
RE: Response to Inspections (Izard Co)
AFIN: 33-00036 **NPDES Permit No.: AR0044016**
ARR150000

Dear: Mr. Starks

I have reviewed the response pertaining to my March 20, 2014 inspection of the wastewater treatment facility and construction activity associated with the Izard County Corrections Facility. The information provided sufficiently addresses the violations referenced in my inspection report. At this time, the Department has no further comment concerning this particular inspection. Acceptance of this response by the Department does not preclude any future enforcement action deemed necessary at this site or any other site.

If we need further information concerning this matter, we will contact you. Thank you for your attention to this matter. Should you have any questions, feel free to contact me at (870) 424-3322 ext. 3 or you may e-mail me at saunders@adeq.state.ar.us.

Sincerely,



Sean Saunders
District 11 Field Inspector
Water Division