ADEQ

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

June 22, 2011

James Sanders, Mayor
City of Blytheville
P.O. Box 1784
Blytheville, AR 72315

RE: Blytheville WWTP – West – Compliance and SSO Inspections

AFIN: 47-00544 NPDES Permit No.: AR0022560

Dear Mr. Sanders:

On May 23, 25, and 26, 2011, fellow inspector Michael Greenway and I performed a routine compliance inspection and sanitary sewer overflow inspection of the waste water treatment 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:

Compliance Inspection:

1. **A calibration check revealed that the effluent flow meter was underreporting flow by >25%. This violates Part II Section C. Item 2. of the permit. Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to insure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed, calibrated and maintained to insure the accuracy of the measurements are consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of less than +/-10% from true discharge rates throughout the range of expected discharge volumes and shall be installed at the monitoring point of the discharge.**

2. **At the time of the inspection the following Operation and Maintenance Items were noted:**
   a. **One of the three clarifiers was out of service.**
   b. **One of the clarifier curtains was down.**
   c. **The polishing pond curtain was down.**

   These items violate Part II Section B. Item 1.a. of the permit. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and

maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

3. **The QA/QC control charts in the laboratory were incorrect. These charts should be setup with Warning Limits and Control Limits for use in evaluating the results of laboratory duplicates and spikes.**

4. **The fecal coliform incubator/water bath temperature was observed to be below the required temperature of 44.5 (+/-0.2) °C on at least two occasions during the inspection. It appears this problem was corrected by moving the incubator to different location where it was more protected from the flow of cold air from the air conditioner; however multiple checks should be performed to insure the required temperature is consistently maintained.**

5. **The composite samples collected for the analysis of ammonia nitrogen (NH_3-N) were not being properly preserved. Following the collection of the final aliquot, samples should immediately be preserved with sulfuric acid (H_2SO_4) and stored at less than 6 °C until analyzed. Currently, collection of the samples is completed by early afternoon but they are not preserved with sulfuric acid. They are sitting unpreserved until they are analyzed the following day.**

6. **The sludge storage lagoon(s) were not being properly operated and maintained. The levees and other dry portions of these lagoons should be mowed regularly to prevent the growth of woody vegetation and discourage burrowing animals which can weaken the integrity of the levees. Additionally, the current excessive growth of vegetation prevents visual inspection for the detection of leaks, seeps, and other illicit discharges. As discussed previously, you may wish to permanently close out portions of the sludge storage lagoons to reduce the area that must be maintained. Please contact the Permits Branch for specific requirements related to closure of portions of these lagoons.**

SSO Inspection:

You should continue working to comply with the current Consent Administrative Order (CAO) requiring you to evaluate, repair and upgrade the collection system including the installation of emergency backups and remote monitoring.

The above items require your immediate attention. Please submit a written response to these findings to the Water Division Enforcement Branch of this Department. This response should be mailed to the address below and 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 is due by **July 2, 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 walker@adeq.state.ar.us or 870-935-7221 ext.-12.

Sincerely,

Brent L Walker

Brent L. Walker
District 3 Field Inspector
Water Division

cc: Water Division Enforcement Branch
Water Division Permits Branch

EPA

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

NPDES Compliance Inspection Report

Form Approved
OMB No. 2040-0003

Section A: National Data System Coding

1	Transaction Code	2	NPDES	11	12	Yr/Mo/Day	17	18	Inspec. Type	19	Inspector	20	Fac. Type
	N	5	AR0022560			110523			C		S		1

Remarks

67	Inspection Work Days	69	70	Facility Evaluation Rating	71	BI	72	QA	73	74	75	Reserved	80
				1		N		N					

Section B: Facility Data

Name and Location of Facility Inspected *(For industrial users discharging to POTW, also include POTW name and NPDES permit number)*	Entry Time/Date	Permit Effective Date
Blytheville WWTP - West **4951 NCR 635** **Blytheville, AR** **Mississippi Co.**	**1400 5/23/2011** **0830 5/25/2011**	**12/1/2005**
	Exit Time/Date **1600 5/23/2011** **1555 5/25/2011**	Permit Expiration Date **11/30/2010**

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data
James Yankee/Pretreatment Coordinator/870-763-4961 Tamara Lopolito/Lab Technician **Kenneth Ellis/Waste Water Superintendent/870-763-4961**	

Name, Address of Responsible Official/Title/Phone and Fax Number	Contacted
James Sanders/Mayor/870-763-3602 **City of Blytheville** **P.O. Box 1784** **Blytheville, AR 72315**	Yes ☐ No ☑

Section C: Areas Evaluated During Inspection
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

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

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

Multiple violations were noted.

See the attached letter and inspection report for description of findings and additional information.

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Telephone/Fax	Date
Brent L. Walker Brent L Walker **Michael B. Greenway**	**AR Dept. of Environmental Quality-Jonesboro** **(870) 935-7221 ext. 12/(870) 935-4715 (Fax)**	**May 27, 2011**
Signature of Reviewer	Agency/Office/Phone and Fax Numbers	Date

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: **One clarifier out of service; clarifier curtain down, polishing pond curtain down.**	☐S ☐M ☑U ☐NA ☐NE
2. TREATMENT UNITS PROPERLY MAINTAINED: **Clarifier weirs in need of cleaning**	☐S ☐M ☑U ☐NA ☐NE
3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED: **Sludge storage lagoons are overgrown with vegetation.**	☐S ☐M ☑U ☐NA ☐NE
4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE: **None**	☐S ☐M ☑U ☐NA ☐NE
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:	☐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: **Unknown at this time**	☐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:	☑Y ☐N ☐NA ☐NE
2.	LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES:	☑Y ☐N ☐NA ☐NE
3.	FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT:	☑Y ☐N ☐NA ☐NE
4.	SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT:	☑Y ☐N ☐NA ☐NE
5.	SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT:	☑Y ☐N ☐NA ☐NE
6.	SAMPLE COLLECTION PROCEDURES ADEQUATE:	☐Y ☑N ☐NA ☐NE
a.	SAMPLES REFRIGERATED DURING COMPOSITING:	☑Y ☐N ☐NA ☐NE
b.	PROPER PRESERVATION TECHNIQUES USED: **Not properly preserving NH3-N**	☐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 — ☐S ☐M ☑U ☐NA ☐NE

DETAILS:

1.	PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED:__ TYPE OF DEVICE: **28" rectangular weir**	☑Y ☐N ☐NA ☐NE
2.	FLOW MEASURED AT EACH OUTFALL AS REQUIRED:	☑Y ☐N ☐NA ☐NE
3.	SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED:	☐Y ☑N ☐NA ☐NE
4.	CALIBRATION FREQUENCY ADEQUATE:	☐Y ☑N ☐NA ☐NE
5.	RECORDS MAINTAINED OF CALIBRATION PROCEDURES:	☑Y ☐N ☐NA ☐NE
6.	CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE:	☑Y ☐N ☐NA ☐NE
7.	FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE:	☑Y ☐N ☐NA ☐NE
8.	FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES: **Hydraulically overloaded at time of inspection**	☐Y ☑N ☐NA ☐NE
9.	HEAD MEASURED AT PROPER LOCATION:	☑Y ☐N ☐NA ☐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) :	☑Y ☐N ☐NA ☐NE
2.	IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED:	☐Y ☐N ☑NA ☐NE
3.	SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT: **Fecal incubator too cool**	☐Y ☑N ☐NA ☐NE
4.	QUALITY CONTROL PROCEDURES ADEQUATE: **Control charts are incorrect**	☐Y ☑N ☐NA ☐NE
5.	DUPLICATE SAMPLES ARE ANALYZED ≥10% OF THE TIME:	☑Y ☐N ☐NA ☐NE
6.	SPIKED SAMPLES ARE ANALYZED ≥10% OF THE TIME:	☑Y ☐N ☐NA ☐NE
7.	COMMERCIAL LABORATORY USED:	☑Y ☐N ☐NA ☐NE
a.	LAB NAME: **ETC**	
b.	LAB ADDRESS: **Memphis, TN**	
c.	PARAMETERS PERFORMED: **Biomonitoring**	
8.	BIOMONITORING PROCEDURES ADEQUATE:	☑Y ☐N ☐NA ☐NE
a.	PROPER ORGANISMS USED:	☑Y ☐N ☐NA ☐NE
b.	PROPER DILUTION SERIES FOLLOWED:	☑Y ☐N ☐NA ☐NE
c.	PROPER TEST METHODS AND DURATION:	☑Y ☐N ☐NA ☐NE
d.	RETESTS AND/OR TRE PERFORMED AS REQUIRED:	☐Y ☐N ☑NA ☐NE

SECTION G: EFFLUENT/RECEIVING WATERS OBSERVATIONS

BASED ON VISUAL OBSERVATIONS ONLY ☐S ☑M ☐U ☐NA ☐NE

DETAILS: **Evidence of solids leaving polishing pond; grease, plastics, etc. on grates**

OUTFALL #:	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOATING SOLIDS	COLOR	OTHER
001	None	None	Moderate	None	None	Lt. Brown	--

SECTION H: SLUDGE DISPOSAL

SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS ☐S ☐M ☐U ☑NA ☐NE

DETAILS:

1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY: ☑S ☐M ☐U ☐NA ☐NE
2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503: **Sludge stored in old lagoon** ☐S ☐M ☐U ☑NA ☐NE
3. FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO: (E.G., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE):

SECTION I: SAMPLING INSPECTION PROCEDURES

SAMPLE RESULTS WITHIN PERMIT REQUIREMENTS ☐S ☐M ☐U ☑NA ☐NE

DETAILS:

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

SECTION J: STORM WATER POLLUTION PREVENTION PLAN

STORM WATER MANAGEMENT MEETS PERMIT REQUIREMENTS ☐S ☐M ☐U ☑NA ☐NE

DETAILS: **Facility has a No Exposure Exclusion ARR00C337**

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

FLOW CALCULATION SHEET

Date: **5/23/2011** Time: **1439**

Head in Inches: **N/A*** Feet: **N/A*** **19.75" Total Head**

Type & Size of Primary Flow Measurement Device:

28" Rectangular weir without end contractions

Name & Model of Secondary Flow Measurement Device: **Polysonic Transducer**

Date of last Calibration of Secondary Flow Device: **7/13/2010**

Recorded Flow at Date & Time Listed Above: **1356 GPM** (Facility Flow Meter)

Calculated Flow at Date & Time Listed Above: **1815 GPM** (Facility Flow Chart)*

~~(Flow is calculated using flow charts in: ISCO Open Channel Flow Measurement Handbook 5th Edition)~~

$$\% \text{ Error} = \frac{\text{Recorded Value} - \text{Calculated Value}}{\text{Calculated Value}} \times 100$$

$$\% \text{ Error} = \frac{1356 - 1815}{1815} \times 100$$

$$\% \text{ Error} = \frac{-459}{1815} \times 100$$

% Error = -0.253 X 100

% Error = **-25.3** %

Comments: **Under reporting flow by >25%**

DMR Calculation Check

Reporting Period: From 11 (Year) 1 (Month) 1 (Day) **To** 11 (Year) 1 (Month) 30 (Day)

Parameter Checked: DO

	Concentration Monthly Mo. Avg. - mg/l Min
Reported Value:	11.4
Calculated Value:	11.4
Permit Value:	7 (Minimum)

If calculated value does not equal reported value, explain: Equal

DMR Calculation Check

Reporting Period: From 11 (Year) 4 (Month) 1 (Day) **To** 11 (Year) 4 (Month) 30 (Day)

Parameter Checked: pH

	Concentration Monthly	
	Mo. Avg. - mg/l	**7-day Avg. - mg/l**
Reported Value:	6.9	7.9
Calculated Value:	6.9	7.9
Permit Value:	6	9

If calculated value does not equal reported value, explain: Equal

MAYOR:
James Sanders

CITY COUNCIL:
John Musgraves
Stan Parks
Shirley Overman
Monte Hodges
Mylas Jeffers
Missy Langston

ATTORNEY:
Mike Bearden

PUBLIC UTILITIES
DIRECTOR:
Marvin Crawford

SUPERINTENDENT:
Kenneth Ellis

Blytheville Wastewater Dept.
P.O. Box 1784
Blytheville, AR 72316-1784

Phone:(870) 763-4961
Fax: (870) 763-8541

April 3, 2013

ADEQ
WATER DIVISION-INSPECTION BRANCH
5301 NORTHSHORE DRIVE
NORTH LITLE ROCK, AR. 72118-5317

RE: INSPECTION RESPONSE OF THE BLYTHEVILLE WASTEWATER TREATMENT PLANTS.

COMPLIANCE INSPECTIONS REPLY:

1. West(AR0022560)WWTP: The extensive accumulation of solids in the clarifiers was due to problems with the return activated sludge system. Blockages in the return lines located at the bottom of the clarifiers became blocked and caused sludge to rise in the clarifiers.(pop-ups) These lines were blown out to remove and un-clog the sludge lines and will be implemented on a regular basis.

2. South(AR0022578)WWTP: The refrigeration unit on our composite sampler froze up due to a faulty fan in the unit. This has been replaced and is working properly.

4.A. The water bath incubator for fecal coliform testing will be closely monitored to insure a constant temperature of 44.5 C. If it will not maintain the required temperature we will replace the unit.

B. The thermometers in the lab and automated samplers are calibrated quarterly. This was due to the lab tech being out because of surgery. The operators will now calibrate the thermometers to prevent this from happening.

C. The flowcharts will be changed to measure the flow in 1/8 inch intervals. We will also install a stilling well or site glass to measure the flow more Accurately to insure readings are within +/- 10%.

D. Letter attached from SSR's Daniel Bowling,PE

NOTIFICATION ALARMS

AR0022560
820 pump station
shop pump station
21st ST pump station
Division pump station

AR0022578
McHaney ST. pump station
Lake ST. pump station
County RD. pump station

AR0022586
Walker Park lift station
Lockard ST. pump station
Walmart pump station

Line 4 part D
Consulting engineer is working with the ADEQ for proper procedure on closure and sludge storage lagoons maintenance and isolation of that lagoon. Contact person ADEQ.

SSO INSPECTION
Grease at 820 pump station will be removed and properly disposed of at landfill. We will continue to monitor this through pretreatment.

WALMART LIFT STATION
We can only remove this grease at certain times of the year due to getting on farmers property. We will do this in April 2013 and monitor this through pretreatment.

If you need more information please call me at (870)763-4961.

Sincerely,

Kenneth Ellis
Superintendent

Smith Seckman Reid, Inc.

2650 Thousand Oaks Boulevard
Suite 3200
Memphis, TN 38118
(901) 683-3900
FAX (901) 683-3990
www.ssr-inc.com

March 25, 2013

Arkansas Department of Environmental Quality
Attn: Brent Walker
2212 Fowler Ave. Suite B
Jonesboro, AR 72401-6115

Brent,

I have provided this lagoon closure plan correspondence summary at the request of the City of Blytheville Sanitary Sewer Department. The City of Blytheville and Smith Seckman Reid (SSR) are still in the process of negotiating a lagoon closure plan with ADEQ. This lagoon closure plan was submitted to ADEQ on October 21st, 2011. It is essentially an abandon-in-place plan, with soil tests showing that the soil in place is perfectly suitable for land application and does not warrant removal. This soil removal would be of significant cost to the City of Blytheville. Stephen Hogan with the ADEQ Water Division was the engineer assigned to review the plan. The initial response from ADEQ was received by SSR on March 26, 2012. Subsequent correspondence between SSR and ADEQ include a response e-mail from SSR dated March 27, 2012; a response e-mail from ADEQ dated June 7, 2012; and finally a response e-mail from SSR dated November 20, 2012. SSR will contact ADEQ again to determine the current status of the lagoon closure plan. The City of Blytheville has essentially waited to address the active lagoons until a decision is made related to the inactive lagoon cells. The active cells are oversized for their use, and will likely be consolidated eventually. Soils tests were done performed on the outer limits of these active cells as well.

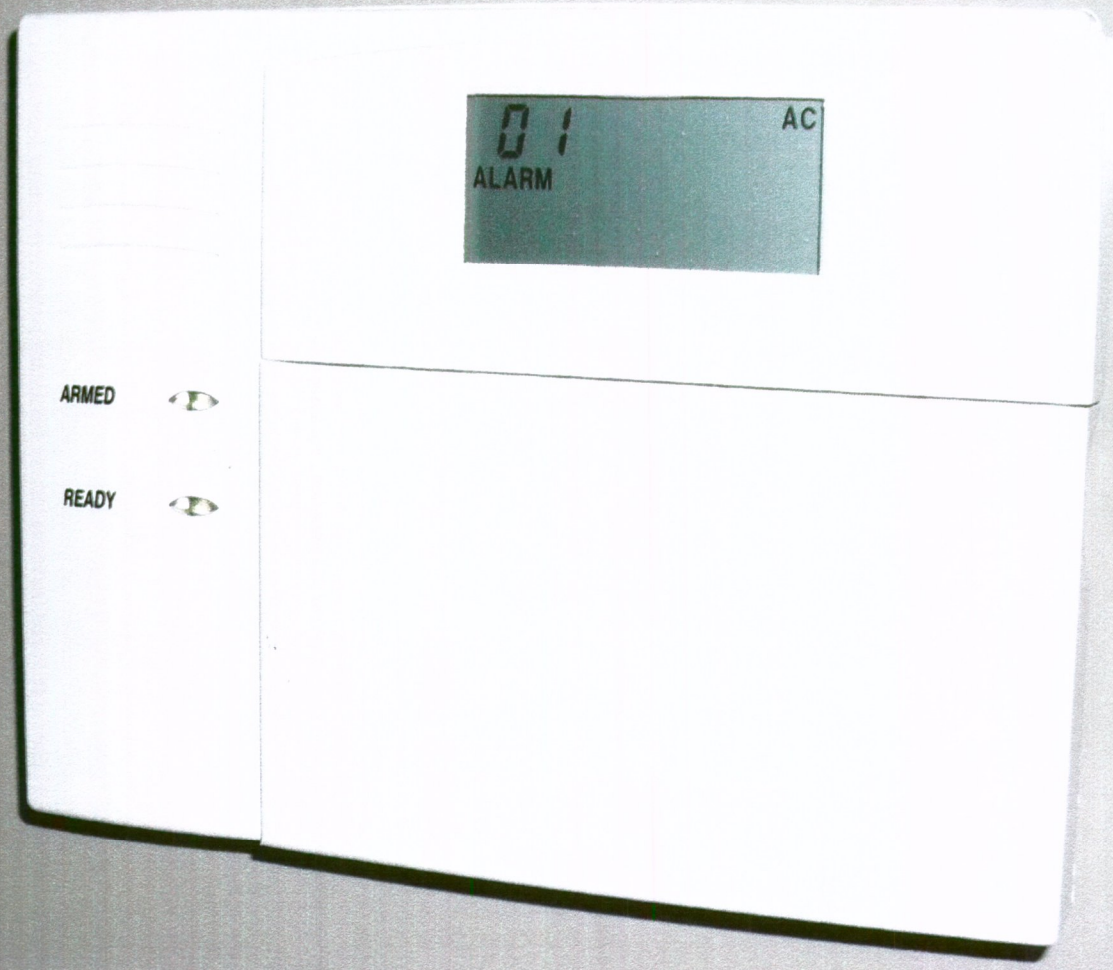
Sincerely,

Daniel Bowling

Daniel Bowling, PE


Division Street
These Premises Protected by ELECTRONIC GUARD
SILENT
Security Inc.
ALARMS & SERVICE
2013/04/03 02:42 PM

Shop Pumping Station



2013/04/03 12:42 PM


West Plant
2013/04/03 12:53 PM

North Plant Generator
Online 4/4/2013


South Plant
2013/03/22 07:27 AM

Blytheville Wastewater Dept.
P.O. Box 1784
Blytheville, AR 72316

CERTIFIED MAIL™

7011 2970 0002 5564 3860

UNITED STATES POSTAL SERVICE

1000

72118

U.S. POSTAGE
PAID
BLYTHEVILLE, AR
72315
APR 09, '13
AMOUNT

$6.97

00043555-09

RETURN RECEIPT REQUESTED

ADEQ
Water Division - Inspection Branch
5301 Northshore Drive
North Little Rock, AR 72118-5317

MAYOR:
James Sanders

CITY COUNCIL:
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Shirley Overman
Monte Hodges
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Missy Langston

ATTORNEY:
Mike Bearden

PUBLIC UTILITIES
DIRECTOR:
Marvin Crawford

SUPERINTENDENT:
Kenneth Ellis

Blytheville Wastewater Dept.
P.O. Box 1784
Blytheville, AR 72316-1784

Phone:(870) 763-4961
Fax: (870) 763-8541

April 3, 2013

ADEQ
WATER DIVISION-INSPECTION BRANCH
5301 NORTHSHORE DRIVE
NORTH LITLE ROCK, AR. 72118-5317

RE: INSPECTION RESPONSE OF THE BLYTHEVILLE WASTEWATER TREATMENT PLANTS.

COMPLIANCE INSPECTIONS REPLY:

1. West(AR0022560)WWTP: The extensive accumulation of solids in the clarifiers was due to problems with the return activated sludge system. Blockages in the return lines located at the bottom of the clarifiers became blocked and caused sludge to rise in the clarifiers.(pop-ups) These lines were blown out to remove and un-clog the sludge lines and will be implemented on a regular basis.

2. South(AR0022578)WWTP: The refrigeration unit on our composite sampler froze up due to a faulty fan in the unit. This has been replaced and is working properly.

4.A. The water bath incubator for fecal coliform testing will be closely monitored to insure a constant temperature of 44.5 C. If it will not maintain the required temperature we will replace the unit.

B. The thermometers in the lab and automated samplers are calibrated quarterly. This was due to the lab tech being out because of surgery. The operators will now calibrate the thermometers to prevent this from happening.

C. The flowcharts will be changed to measure the flow in 1/8 inch intervals. We will also install a stilling well or site glass to measure the flow more Accurately to insure readings are within +/- 10%.

D. Letter attached from SSR's Daniel Bowling,PE

NOTIFICATION ALARMS

AR0022560
820 pump station
shop pump station
21st ST pump station
Division pump station

AR0022578
McHaney ST. pump station
Lake ST. pump station
County RD. pump station

AR0022586
Walker Park lift station
Lockard ST. pump station
Walmart pump station

Line 4 part D
Consulting engineer is working with the ADEQ for proper procedure on closure and sludge storage lagoons maintenance and isolation of that lagoon. Contact person ADEQ.

SSO INSPECTION
Grease at 820 pump station will be removed and properly disposed of at landfill. We will continue to monitor this through pretreatment.

WALMART LIFT STATION
We can only remove this grease at certain times of the year due to getting on farmers property. We will do this in April 2013 and monitor this through pretreatment.

If you need more information please call me at (870)763-4961.

Sincerely,

Kenneth Ellis
Superintendent

Smith Seckman Reid, Inc.

2650 Thousand Oaks Boulevard
Suite 3200
Memphis, TN 38118
(901) 683-3900
FAX (901) 683-3990
www.ssr-inc.com

March 25, 2013

Arkansas Department of Environmental Quality
Attn: Brent Walker
2212 Fowler Ave. Suite B
Jonesboro, AR 72401-6115

Brent,

I have provided this lagoon closure plan correspondence summary at the request of the City of Blytheville Sanitary Sewer Department. The City of Blytheville and Smith Seckman Reid (SSR) are still in the process of negotiating a lagoon closure plan with ADEQ. This lagoon closure plan was submitted to ADEQ on October 21st, 2011. It is essentially an abandon-in-place plan, with soil tests showing that the soil in place is perfectly suitable for land application and does not warrant removal. This soil removal would be of significant cost to the City of Blytheville. Stephen Hogan with the ADEQ Water Division was the engineer assigned to review the plan. The initial response from ADEQ was received by SSR on March 26, 2012. Subsequent correspondence between SSR and ADEQ include a response e-mail from SSR dated March 27, 2012; a response e-mail from ADEQ dated June 7, 2012; and finally a response e-mail from SSR dated November 20, 2012. SSR will contact ADEQ again to determine the current status of the lagoon closure plan. The City of Blytheville has essentially waited to address the active lagoons until a decision is made related to the inactive lagoon cells. The active cells are oversized for their use, and will likely be consolidated eventually. Soils tests were done performed on the outer limits of these active cells as well.

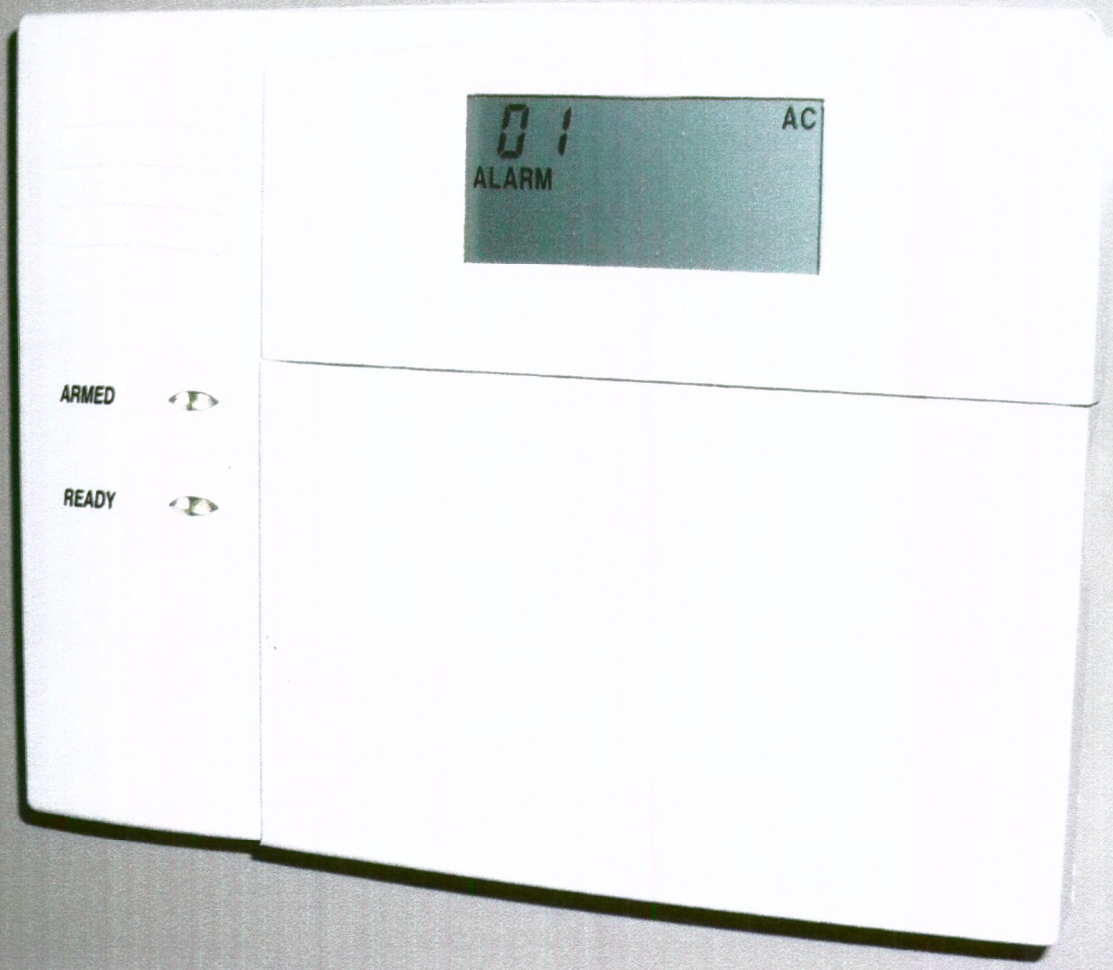
Sincerely,

Daniel Bowling

Daniel Bowling, PE


Division Street
These Premises Protected by ELECTRONIC GUARD
SILENT
Security Inc.
ALARMS & SERVICE
2013/04/03 02:42 PM

Shop Pumping Station



2013/04/03 12:42 PM


West Plant
2013/04/03 12:53 PM

North Plant Generator
Online 4/4/2013


South Plant
2013/03/22 07:27 AM

Blytheville Wastewater Dept.
P.O. Box 1784
Blytheville, AR 72316

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ADEQ
Water Division - Inspection Branch
5301 Northshore Drive
North Little Rock, AR 72118-5317