

10/25/2012

## **ENFORCEMENT COMPLIANCE REVIEW**

NPDES Permit No. AR0020303

North Little Rock Faulkner Lake

- DMR data indicate that the facility has had the following effluent violations in the past 3 years (the list of violations and dates are attached for review):

- 1 effluent violation for BOD
- 1 effluent violation for TSS
- 2 effluent violations for fecal coliform
- 1 effluent violation for pH

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5 total violations

- The facility has reported 166 SSOs since 08/01/2009.
- The facility had a CAO issued on 02/10/11 for the following reasons: sanitary sewer overflows and effluent violations. CAO is still open.
- The facility's last inspection occurred on 04/07/11 and 04/08/11. An adequate letters was received on June 27, 2011.
- The facility has met the compliance milestone schedule required by the CAO.

Comment: No further enforcement action necessary

Measurement Report with Limits 10/22/12

NLR WASTEWATER UTILITY-FAULKNER LAKE AR0020303, Expiration: 3/31/13  
001A

BOD, 5-day, 20 deg. C 00310 Monitoring Location = 1

Limit Start Date = 04/01/2008 Limit End Date = 03/31/2013  
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

	3002	30	45
	lb/d Q1	mg/L C2	mg/L C3
	MO AVG	MO AVG	7 DA AVG
08/31/2009	130.8	3.1	3.4
09/30/2009	256.3	4.7	7.1
10/31/2009	672.3	7.4	8.3
11/30/2009	244.5	4.4	4.7
12/31/2009	757.3	8	10.1
01/31/2010	383.9	6.6	7.7
02/28/2010	472.3	5.7	6.1
03/31/2010	343.9	6.5	10.7
04/30/2010	294.2	5.6	8
05/31/2010	272.8	4.2	5.3
06/30/2010	142.2	3.2	3.5
07/31/2010	131.8	3.4	3.7
08/31/2010	146.8	4.5	5.2
09/30/2010	167.1	5.5	7.6
10/31/2010	161	5.7	6.3
11/30/2010	354.6	8.3	10.4
12/31/2010	254.3	6.3	7.8
01/31/2011	317.9	8.8	10.6
02/28/2011	535.1	9.6	12.9
03/31/2011	375.7	6.1	8.2
04/30/2011	580.9	7	8.8
05/31/2011	578.7	5.5	7.3
06/30/2011	224.7	6.3	12.9
07/31/2011	258.7	6.7	11.1
08/31/2011	377.3	9	17.5
09/30/2011	384.7	12.6	15.2
10/31/2011	242.5	7.7	15.4
11/30/2011	415.5	5.8	6.6
12/31/2011	504.9	6.2	7.7
01/31/2012	383.3	6.6	7.2
02/29/2012	366	5.2	7.5
03/31/2012	435.5	4.7	6.7
04/30/2012	215.4	5.3	6.4
05/31/2012	923.9	29.7	101.2
06/30/2012	223.5	7	8.2
07/31/2012	147.8	4.3	5.3
08/31/2012	134.4	3.7	4

**NLR WASTEWATER UTILITY-FAULKNER LAKE AR0020303, Expiration: 3/31/13**  
Chlorine, total residual 50060 Monitoring Location = 1

Limit Start Date = 04/01/2008 Limit End Date = 03/31/2013  
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

1.1  
mg/L C3  
INST MAX

08/31/2009	0.29
09/30/2009	0.33
10/31/2009	0.35
11/30/2009	0.25
12/31/2009	0.24
01/31/2010	0.16
02/28/2010	0.08
03/31/2010	0.33
04/30/2010	0.36
05/31/2010	0.32
06/30/2010	0.72
07/31/2010	0.29
08/31/2010	0.21
09/30/2010	0.25
10/31/2010	0.32
11/30/2010	0.22
12/31/2010	0.39
01/31/2011	0.38
02/28/2011	0.35
03/31/2011	0.3
04/30/2011	0.34
05/31/2011	0.28
06/30/2011	0.68
07/31/2011	0.33
08/31/2011	0.53
09/30/2011	0.76
10/31/2011	0.98
11/30/2011	0.68
12/31/2011	0.64
01/31/2012	0.36
02/29/2012	0.36
03/31/2012	0.65
04/30/2012	0.48
05/31/2012	0.71
06/30/2012	0.78
07/31/2012	0.95
08/31/2012	0.51

**NLR WASTEWATER UTILITY-FAULKNER LAKE AR0020303, Expiration: 3/31/13**  
Coliform, fecal general 74055    Monitoring Location = 1

Limit Start Date = 04/01/2008    Limit End Date = 03/31/2013  
Season 0 (-May--Jun--Jul--Aug--Sep-)

	200	400
	#/100mL C2	#/100mL C3
	30DA GEO	7 DA GEO
08/31/2009	2	4
09/30/2009	7	13
05/31/2010	3	8
06/30/2010	5	8
07/31/2010	4	7
08/31/2010	4	7
09/30/2010	6	14
05/31/2011	6	23
06/30/2011	5	35
07/31/2011	2	5
08/31/2011	6	19
09/30/2011	13	26
05/31/2012	1	4
06/30/2012	1	3
07/31/2012	1	5
08/31/2012	2	2

Limit Start Date = 04/01/2008    Limit End Date = 03/31/2013  
Season 1 (-Jan--Feb--Mar--Apr--Oct--Nov--Dec-)

	1000	2000
	#/100mL C2	#/100mL C3
	30DA GEO	7 DA GEO
10/31/2009	10	24
11/30/2009	3	4
12/31/2009	>10	>28
01/31/2010	128	197
02/28/2010	423	380
03/31/2010	22	492
04/30/2010	7	73
10/31/2010	4	11
11/30/2010	18	27
12/31/2010	4	17
01/31/2011	2	3
02/28/2011	2	4
03/31/2011	3	6
04/30/2011	5	18
10/31/2011	1	16
11/30/2011	2	4
12/31/2011	2	7
01/31/2012	2	3
02/29/2012	2	2
03/31/2012	2	2
04/30/2012	1	1



**NLR WASTEWATER UTILITY-FAULKNER LAKE AR0020303, Expiration: 3/31/13**  
**Flow, in conduit or thru treatment plant 50050    Monitoring Location = 1**

Limit Start Date = 04/01/2008    Limit End Date = 03/31/2013  
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

	Req. Mon. MGD Q1 MO AVG	Req. Mon. MGD Q2 DAILY MX
08/31/2009	5.466	12.51
09/30/2009	5.747	16.83
10/31/2009	9.752	18.48
11/30/2009	6.225	17.45
12/31/2009	9.494	19.7
01/31/2010	7.076	12.7
02/28/2010	9.734	16.65
03/31/2010	6.043	11.31
04/30/2010	5.941	9.715
05/31/2010	7.123	14.34
06/30/2010	5.538	8.433
07/31/2010	4.557	10.58
08/31/2010	3.889	5.52
09/30/2010	3.494	5.313
10/31/2010	3.37	4.516
11/30/2010	4.482	10.16
12/31/2010	4.132	12.3
01/31/2011	4.231	5.551
02/28/2011	6.412	13.81
03/31/2011	6.712	15.81
04/30/2011	9.317	23.98
05/31/2011	10.234	22.26
06/30/2011	4.249	6.749
07/31/2011	4.315	6.644
08/31/2011	4.526	8.735
09/30/2011	3.674	6.219
10/31/2011	3.825	6.137
11/30/2011	7.134	17.63
12/31/2011	8.997	19.45
01/31/2012	6.953	13.14
02/29/2012	8.066	17.02
03/31/2012	10.602	22.67
04/30/2012	4.735	7.641
05/31/2012	3.794	4.911
06/30/2012	3.804	6.225
07/31/2012	4.196	5.896
08/31/2012	3.952	9.035

**NLR WASTEWATER UTILITY-FAULKNER LAKE AR0020303, Expiration: 3/31/13**  
Oxygen, dissolved (DO) 00300 Monitoring Location = 1

Limit Start Date = 04/01/2008 Limit End Date = 03/31/2013  
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

2  
mg/L C1  
MO AV MN

08/31/2009	5.7
09/30/2009	5.7
10/31/2009	6.3
11/30/2009	6.5
12/31/2009	7
01/31/2010	6.7
02/28/2010	7.1
03/31/2010	6.7
04/30/2010	6.6
05/31/2010	6.4
06/30/2010	6.4
07/31/2010	5.5
08/31/2010	5.6
09/30/2010	5.2
10/31/2010	5.2
11/30/2010	5.7
12/31/2010	6.8
01/31/2011	6.8
02/28/2011	6.6
03/31/2011	6.8
04/30/2011	7
05/31/2011	6.8
06/30/2011	6
07/31/2011	5.1
08/31/2011	5.1
09/30/2011	4.3
10/31/2011	4.6
11/30/2011	5.5
12/31/2011	6.07
01/31/2012	6.6
02/29/2012	6.9
03/31/2012	7
04/30/2012	5.4
05/31/2012	4.7
06/30/2012	4.4
07/31/2012	4.6
08/31/2012	4.4

NLR WASTEWATER UTILITY-FAULKNER LAKE AR0020303, Expiration: 3/31/13  
pH 00400 Monitoring Location = 1

Limit Start Date = 04/01/2008 Limit End Date = 03/31/2013  
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

	6	9
	SU C1	SU C3
	MINIMUM	MAXIMUM
08/31/2009	6.27	6.78
09/30/2009	6.21	6.7
10/31/2009	6.17	6.67
11/30/2009	6.19	6.6
12/31/2009	6.05	6.56
01/31/2010	6.12	6.88
02/28/2010	6.11	6.82
03/31/2010	6.07	6.63
04/30/2010	6.27	6.89
05/31/2010	6.25	6.62
06/30/2010	6.25	6.77
07/31/2010	6.12	6.83
08/31/2010	6.23	6.64
09/30/2010	6.1	6.54
10/31/2010	6.02	6.57
11/30/2010	6.05	6.94
12/31/2010	6.11	6.8
01/31/2011	6.15	6.77
02/28/2011	6.15	6.68
03/31/2011	6	6.59
04/30/2011	6.05	6.78
05/31/2011	6.16	6.98
06/30/2011	5.94	7.19
07/31/2011	6.11	6.86
08/31/2011	6.14	8.74
09/30/2011	6	6.91
10/31/2011	6.04	6.67
11/30/2011	6.04	6.73
12/31/2011	6.1	6.59
01/31/2012	6.14	6.59
02/29/2012	6.04	6.51
03/31/2012	6.18	6.71
04/30/2012	6.25	7.64
05/31/2012	6.39	7.32
06/30/2012	6.11	7.15
07/31/2012	6.14	6.9
08/31/2012	6.21	6.7

**NLR WASTEWATER UTILITY-FAULKNER LAKE AR0020303, Expiration: 3/31/13**  
Solids, total suspended 00530    Monitoring Location = 1

Limit Start Date = 04/01/2008    Limit End Date = 03/31/2013  
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

	3002	30	45
	lb/d Q1	mg/L C2	mg/L C3
	MO AVG	MO AVG	7 DA AVG
08/31/2009	139.7	3.7	3.9
09/30/2009	229.6	3.7	7.8
10/31/2009	765	7.7	9.3
11/30/2009	31	4	7.4
12/31/2009	946.3	8.9	13.1
01/31/2010	412.8	5.7	11.5
02/28/2010	433.6	4.7	6.1
03/31/2010	217.3	4.1	6.2
04/30/2010	257.4	4.7	7.6
05/31/2010	224.6	3.5	4.2
06/30/2010	124.5	2.6	3.5
07/31/2010	147	3.5	4.8
08/31/2010	120.2	3.6	5.1
09/30/2010	184.5	6.2	9.2
10/31/2010	167.1	5.7	7.8
11/30/2010	344.3	8.2	10.4
12/31/2010	244.8	5.4	7.6
01/31/2011	214.9	6	8.2
02/28/2011	387.2	6.7	7.4
03/31/2011	292.5	4.7	5.4
04/30/2011	787.8	7.8	11.1
05/31/2011	946.8	7.5	14.7
06/30/2011	250.9	6.9	13.7
07/31/2011	242.3	6.3	7.5
08/31/2011	320.1	7.5	10.8
09/30/2011	310.1	10	11.5
10/31/2011	265.5	8.4	21.5
11/30/2011	625.6	7.8	10.4
12/31/2011	599.8	7.5	10.6
01/31/2012	538.9	8.8	12
02/29/2012	432	5.6	9.3
03/31/2012	646.2	6	8.2
04/30/2012	148.3	3.7	4.6
05/31/2012	923.8	29.4	109.6
06/30/2012	216.7	6.3	9.1
07/31/2012	148.6	4.2	5.3
08/31/2012	228.6	5.5	8.2

**TX1S**

**Coef Of Var Statre 7Day Chronic Ceriodaphnia TQP3B    Monitoring Location =**

Limit Start Date = 07/01/2009    Limit End Date = 03/31/2013  
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

	Req. Mon.
	% C2
	7 DA AVG
12/31/2009	6.73
06/30/2010	9.83
12/31/2010	10.48
06/30/2011	7.4
12/31/2011	9.06
06/30/2012	10.51

**NLR WASTEWATER UTILITY-FAULKNER LAKE AR0020303, Expiration: 3/31/13**  
**Coef Of Var Statre 7Day Chronic Pimephales TQP6C Monitoring Location = 1**

Limit Start Date = 07/01/2009 Limit End Date = 03/31/2013  
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

Req. Mon.  
% C2  
7 DA AVG

12/31/2009	10.44
06/30/2010	10.37
12/31/2010	6.8
06/30/2011	7.15
12/31/2011	9.62
06/30/2012	7.17

**Low Flow Pass/Fail Survival Test Static Renewal 7 Day Chronic Ceriodaphnia du**

Limit Start Date = 07/01/2009 Limit End Date = 03/31/2013  
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

Req. Mon.  
pass=0/fail=1 C2  
7 DA AVG

12/31/2009	0
06/30/2010	0
12/31/2010	0
06/30/2011	0
12/31/2011	0
06/30/2012	0

**Low Flow Pass/Fail Survival Test Static Renewal 7 Day Chronic Pimephales pror**

Limit Start Date = 07/01/2009 Limit End Date = 03/31/2013  
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

Req. Mon.  
pass=0/fail=1 C2  
7 DA AVG

12/31/2009	0
06/30/2010	0
12/31/2010	0
06/30/2011	0
12/31/2011	0
06/30/2012	0

**NOEC Lethal Static Renewal 7 Day Chronic Ceriodaphnia dubia TOP3B Moni**

Limit Start Date = 07/01/2009 Limit End Date = 03/31/2013  
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

Req. Mon.  
% C2  
7 DA AVG

12/31/2009	11
06/30/2010	11
12/31/2010	11
06/30/2011	11
12/31/2011	11
06/30/2012	11

**NLR WASTEWATER UTILITY-FAULKNER LAKE AR0020303, Expiration: 3/31/13**  
NOEC Lethal Static Renewal 7 Day Chronic Pimephales promelas TOP6C Mc

Limit Start Date = 07/01/2009    Limit End Date = 03/31/2013  
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

Req. Mon.  
% C2  
7 DA AVG

12/31/2009	11
06/30/2010	11
12/31/2010	11
06/30/2011	11
12/31/2011	11
06/30/2012	11

NOEC Sub-Lethal Static Renewal 7 Day Chronic Ceriodaphnia dubia TPP3B |

Limit Start Date = 07/01/2009    Limit End Date = 03/31/2013  
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

Req. Mon.  
% C2  
7 DA AVG

12/31/2009	11
06/30/2010	11
12/31/2010	11
06/30/2011	11
12/31/2011	11
06/30/2012	11

NOEC Sub-Lethal Static Renewal 7 Day Chronic Pimephales promelas TPP6C

Limit Start Date = 07/01/2009    Limit End Date = 03/31/2013  
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

Req. Mon.  
% C2  
7 DA AVG

12/31/2009	11
06/30/2010	11
12/31/2010	11
06/30/2011	11
12/31/2011	11
06/30/2012	11

Pass/Fail Static Renewal 7 Day Chronic Ceriodaphnia TGP3B    Monitoring Loc

Limit Start Date = 07/01/2009    Limit End Date = 03/31/2013  
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

Req. Mon.  
pass=0/fail=1 C2  
7 DA AVG

12/31/2009	0
06/30/2010	0
12/31/2010	0
06/30/2011	0
12/31/2011	0
06/30/2012	0

**NLR WASTEWATER UTILITY-FAULKNER LAKE AR0020303, Expiration: 3/31/13**  
Pass/Fail Statre 7Day Chronic Pimephales Promelas TGP6C Monitoring Loca

Limit Start Date = 07/01/2009    Limit End Date = 03/31/2013  
Season 0 (-Jan--Feb--Mar--Apr--May--Jun--Jul--Aug--Sep--Oct--Nov--Dec-)

Req. Mon.  
pass=0/fail=1 C2  
7 DA AVG

12/31/2009	0
06/30/2010	0
12/31/2010	0
06/30/2011	0
12/31/2011	0
06/30/2012	0

**ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY**

**IN THE MATTER OF:**

**Wastewater Treatment Committee of  
North Little Rock, Arkansas  
P.O. Box 17898  
North Little Rock, AR 72117-0898**

**LIS No. 10-218**

**Faulkner Lake WWTP  
NPDES Permit No. AR0020303  
AFIN 60-00274**

**Five Mile Creek WWTP  
NPDES Permit No. AR0020320  
AFIN 60-04317**

**White Oak Bayou WWTP  
NPDES Permit No. AR0038288  
AFIN 60-04318**

**CONSENT ADMINISTRATIVE ORDER**

This Consent Administrative Order (hereinafter "CAO") is issued pursuant to Ark. Code Ann. §8-1-202(b)(2)(B), which authorizes the Director of the Arkansas Department of Environmental Quality (hereinafter "ADEQ" or "Department") to initiate and settle administrative enforcement actions to compel compliance with laws, orders, and regulations charged to the responsibility of the Department, including but not limited to the Federal Water Pollution Control Act, 33 U.S.C §1311 et seq., and the Arkansas Water and Air Pollution Control Act, Ark. Code Ann. §8-4-101 et seq., and all regulations issued thereunder. The Director shall also propose the assessment of civil penalties as provided by Ark. Code Ann. §8-4-103(c) and Arkansas Pollution Control and Ecology Commission (hereinafter "APC&EC") Regulation No. 7, Civil Penalties, and take all actions necessary to collect such penalties.



The issues herein having been settled by the agreement of the Wastewater Treatment Committee of North Little Rock Wastewater (hereinafter the Committee or Permittee) and ADEQ, it is hereby agreed and stipulated that the following **FINDINGS OF FACT** and **ORDER AND AGREEMENT** be entered herein.

### **FINDINGS OF FACT**

1. Committee is a committee established by North Little Rock Ordinance § 106-156 under the authority of Ark. Code Ann. § 14-235-206. Committee operates the wastewater treatment plants (hereinafter WWTPs) that serve the City of North Little Rock and a limited number of customers outside the city limits of North Little Rock in Pulaski County, Arkansas.
2. The WWTPs, a wastewater collection, and transmission system (WCTS) are operated pursuant to Arkansas NPDES Permits AR0020303, AR0020320, and AR0038288 ("the Permits") issued by ADEQ. The WCTS includes forty-three (43) pump stations.
3. The Permittee continues to experience dry weather and wet weather Sanitary sewer overflows (SSOs). There were a total of 284 SSOs between November 1, 2007 and October 31, 2010. SSOs violate Ark. Code Ann. §§8-4-217(a)(2) and (3). Each of the Permittee's facilities contributed to the SSO totals as follows:
  - A. The Faulkner Lake facility, Permit AR0020303, had 126 SSOs. There are approximately 334 miles of collection lines and 15 pump stations that discharge to this permitted facility;
  - B. The Five Mile Creek facility, Permit AR0020320, had 47 SSOs. There are

are approximately 210 miles of collection lines and 14 pump stations that discharge to this permitted facility;

C. The White Oak Bayou facility, Permit AR0038288, had 111 SSOs. There are approximately 120 miles of collection lines and 15 pump stations that discharge to this permitted facility.

4. Violation of the effluent characteristic limits in Part I, Section A of Permit AR0020303 for outfall number 001, as found in DMRs submitted by the Permittee to ADEQ since November 2007, are:

Date	Parameter	Reported	Permitted
01-31-2009	Fecal Coliform (30 day avg. #/100 MLS)	>16	1000
12-31-2009	Fecal Coliform (30 day avg. #/100 MLS)	>10	1000
12-31-2009	Fecal Coliform (7 day Avg. #/100 MLS)	>28	2000

5. Violations of the effluent characteristic limits in Part I, Section A of Permit AR0020320 for outfall number 001, as found in DMRs submitted by the Permittee to ADEQ since November 2007, are as follows:

Date	Parameter	Reported	Permitted
05-31-2009	BOD5 (Mo. Avg., lbs/day)	2013	1651
12-31-2009	BOD5 (7 Da. Avg., mg/l)	49.3	45

6. Violations of the effluent characteristic limits in Part I, Section A of Permit AR0038288 for outfall number 001, as found in Discharge Monitoring Reports ("DMRs") submitted by the Permittee to ADEQ since November 2007, are as follows:

Date	Parameter	Reported	Permitted
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04-30-2008	Chlorine, total residual (Inst. Max., mg/l)	0.58	0.1
05-31-2008	Chlorine, total residual (Inst. Max., mg/l)	0.26	0.1
06-30-2008	BOD5 (Mo. Avg., mg/l)	31.2	30
06-30-2008	Chlorine, total residual (Inst. Max., mg/l)	1.4	0.1
07-31-2008	BOD5 (Mo. Avg., mg/l)	30.2	30
07-31-2008	Chlorine, total residual (Inst. Max., mg/l)	1.13	1.0
08-31-2008	BOD5 (Mo. Avg., mg/l)	32.6	30
08-31-2008	BOD5 (7 Da. Avg., mg/l)	50.9	45
12-31-2008	BOD5 (Mo. Avg., mg/l)	34.7	30
12-31-2008	BOD5 (7 Da. Avg., mg/l)	54.7	45
04-30-2009	BOD5 (Mo. Avg., lb/day)	1265.9	1063.4
05-31-2009	BOD5 (Mo. Avg., lb/day)	1235.7	1063.4
11-30-2009	BOD5 (Mo. Avg., mg/l)	31.2	30
02-28-2010	BOD5 (Mo. Avg., lb/day)	1180.4	1063.4
03-31-2010	BOD5 (Mo. Avg., mg/l)	30.8	30
06-30-2010	BOD5 (Mo. Avg., mg/l)	31	30

7. The effluent violations listed in paragraphs 4, 5, and 6 above are mostly past violations. Therefore, no corrective action plan is required at this time to address those violations listed.

8. During a meeting held August 18, 2010 with representatives of the Permittee and ADEQ, a report titled "ADEQ Clean Water Act Fulfillment Consent Decree Response" was given to ADEQ staff. The report addressed, among other items:

A. In November 2008, the Permittee awarded a contract to Camp Dresser & McKee, Inc. (CDM) to develop a Wastewater Master Plan (WWMP). The WWMP includes developing a Capital Improvements Plan and implementation schedule to

schedule to collection system and treatment plant improvements.

B. The Permittee submitted an outline of their Capacity, Management, Operations and Maintenance (CMOM) Self-Assessment Report dated September 2009. The report demonstrates that the Permittee has an ongoing CMOM program. The CMOM Report also includes language addressing SSO Reporting and documentation procedures.

C. The Permittee also submitted documentation of their Grease Control Program Work Plan and Report that includes language to demonstrate that they have an ongoing program to address Fats, Oils, and Greases (FOG).

D. The Permittee provided documentation that the Permittee has all of the legal authority necessary in place and current.

E. The Permittee also provided a graph demonstrating that the number of SSOs have been reduced, even though there were record rainfalls, which demonstrates that the Permittee is making efforts to address problems in the collection system.

### **ORDER AND AGREEMENT**

Therefore, the parties do hereby stipulate and agree that:

1. **Wastewater Master Plan**

A. **Within 180 days of the effective date of this CAO**, the Permittee shall submit to ADEQ a comprehensive Wastewater Master Plan ("WWMP") with a milestone schedule which shall detail the steps the Permittee shall take to achieve full compliance with the terms of the Permit, to eliminate the violations cited in

violations cited in Paragraph 3 of the Findings of Fact, and to prevent future violations. Upon approval by ADEQ, the WWMP and milestone schedule shall be incorporated into this CAO by reference and shall be implemented by the Permittee. The WWMP shall contain the components listed in (B) through (E) below.

**B. Capital Improvements Plan**

A Capital Improvements Plan (C.I.P.) shall be included that lists all improvements required to the WCTS and WWTPs to eliminate violations cited in Paragraph 3 of the Findings of Fact, together with a milestone schedule for implementing the improvements.

**C. Sewer System Evaluation Survey**

With the overall goal of eliminating non-capacity and capacity related SSOs, the Permittee through the services of an engineer licensed in the State of Arkansas shall develop a Work Plan for conducting a Sewer System Evaluation Survey ("SSES"). The SSES Work Plan shall be included in the WWMP Report. The purpose of the SSES will be to:

- i. Identify each Sewershed with excessive infiltration and /or inflow ("I/I"), such that these conditions are causing and/or contributing to SSOs (including building/private property backups), overloading and/or bypasses at the WWTP;
- ii. Identify and quantify sources of I/I within the Sewersheds determined to have excessive I/I rates;
- iii. Identify and quantify SSOs;

- iv. Identify areas subject to building/private property backups;
- v. Identify cross connections and unauthorized connections; and
- vi. Identify physical degradation of the WCTS, including general pipe condition and condition of force mains, that causes or contributes to SSOs (including building/private property backups).

**D. SSES, Pumping Station, Capacity Assessment, and Hydraulic Model Evaluation Report**

- i. The WWMP Report shall present the information required in Order and Agreement Paragraph 1 and summarize the results of the Pumping Station Design and Equipment Condition Adequacy Evaluation, the Capacity Assessment, and the Hydraulic Model.
- ii. The SSES, Pumping Station, Capacity Assessment, and Hydraulic Model Report shall include a thorough analysis of historical and current flow monitoring, inspection, rainfall and other data, including data collected during the aforementioned studies, and shall in general:
  - a. Identify Sewersheds with excessive I/I, such that these conditions are causing and/or contributing to SSOs, overloading and/or bypasses at the WWTP;

- b. Identify and quantify sources of I/I within the Sewersheds determined to have excessive I/I rates;
- c. Identify and quantify SSOs;
- d. Specifically identify areas subject to building/private property backups;
- e. Identify portions of the system in which physical degradation of the WCTS is causing or contributing to SSOs; and
- f. The Permittee shall utilize the collected data from the SSES, Pumping Station, Capacity Assessment, and Hydraulic Model Evaluation to develop the Collection System Remedial and WWTP Measures Plan required pursuant to Order and Agreement Paragraph 1 (E).

**E. Collection System and Wastewater Treatment Plant Remedial Measures Plan**

- i. The WWMP shall include a Collection System and WWTP Remedial Measures Plan with specific measures and schedules that, when implemented, will result in adequate capacity in its WCTS and/or at its WWTPs, such that SSOs will be eliminated under current and future conditions.
- ii. The Collection System and WWTP Remedial Measures Plan shall identify all measures necessary to achieve adequate capacity. Adequate capacity is that capacity needed to collect, convey, and treat anticipated peak wet weather flows, without SSOs, bypasses, and/or overloading at the

overloading at the WWTP for the design condition. At a minimum, peak wet weather flows shall include the conditions considered as part of the Collection System and WWTP Assessment (see Order and Agreement Paragraphs 1 (C) and (D)). If insufficient capacity to accommodate projected peak wet weather flows exists in any portion of the system, including at the WWTPs, the Permittee shall identify and propose measures to provide adequate capacity to eliminate wet weather bypasses and SSOs.

iii. The Collection System and WWTP Remedial Measures Plan shall provide estimated capital costs for each identified remedial measure. The Collection System and WWTP Remedial Measures Plan shall provide a schedule for design, construction, and placement in service of all proposed measures that is as expeditious as possible, and shall in no event be later than ten (10) years from the effective date of this CAO.

iv. Upon approval by ADEQ, the Permittee shall implement the remedial measures in the approved Collection System and WWTP Remedial Measures Plan in accordance with the schedule contained therein.

2. Cross Connection Certification

A. **Within thirty (30) days of the effective date of this CAO**, the Permittee shall submit certification to ADEQ that no known cross connections between the sanitary and storm sewers exist.



B. If any cross connections are identified after the certification is submitted, the Permittee shall ensure that such cross connection is eliminated within ninety (90) days of identification.

3. Reporting

**Beginning on February 1, 2011, the Permittee shall submit to ADEQ an Annual Report containing a summary of compliance with and activities related to the projects scheduled under Order and Agreement Paragraph 1 for the preceding calendar year (January through December). The summary shall include a certification that the Permittee is complying with the ADEQ-approved Wastewater Master Plan Work Plan. The Permittee shall submit the report each year by February 1 until termination of this CAO or February 1, 2021, whichever comes first.**

4. In compromise and full settlement of the civil penalties for the violations specified in the Findings of Fact, the Permittee agrees to pay to ADEQ the total sum of **One Hundred Five Thousand Dollars (\$105,000)** as a voluntary civil penalty. The penalty shall be paid in twenty-four monthly (24) installments. The payments shall be in the amount of **Four Thousand Three Hundred Seventy Five Dollars (\$4375.00)**. Payment of the first installment shall be made within thirty (30) day of the effective date of this Order. The remaining installments shall be due by the 25<sup>th</sup> of each month following the first payment. Failure to make a scheduled payment will result in the remaining penalty amount being due immediately upon default. Payment of the penalty shall be made payable to the Arkansas Department of Environmental Quality and mailed to the attention of:

The Fiscal Division  
Arkansas Department of Environmental Quality  
5301 Northshore Drive  
North Little Rock, Arkansas 72118

5. All submittals required by this CAO are subject to approval by ADEQ. In the event of any deficiency, the Permittee shall within fifteen (15) days of notification by ADEQ submit any additional information requested. Failure to adequately respond to the notice of deficiency within fifteen (15) days constitutes a failure to meet a deadline and is subject to the civil penalties contained in Order and Agreement Paragraph 6.

6. Failure to meet the requirements or construction deadlines of this CAO or the approved schedules provided for herein constitutes a violation of the CAO. If the Permittee should fail to meet any such requirements or deadlines, the Permittee consents and agrees to pay, on demand, to ADEQ civil penalties according to the following schedule:

- |   |                  |
|---|------------------|
| (a) First day through the tenth day:        | \$100.00 per day |
| (b) Eleventh day through the twentieth day: | \$200.00 per day |
| (c) Twenty-first day through thirtieth day: | \$300.00 per day |
| (d) Each day beyond the thirtieth day:      | \$500.00 per day |

These stipulated penalties for delays in performance shall be in addition to any other remedies or sanctions which may be available to ADEQ by reason of the Permittee's failure to comply with the requirements of this CAO.

7. If any event, including but not limited to an act of nature, occurs which causes or may cause a delay in the achievement of compliance by the Permittee with the requirements or deadlines of this CAO, the Permittee shall so notify ADEQ, in writing, as

writing, as soon as reasonably possible after it is apparent that a delay will result, but in no case after the due dates specified in the Permittee's milestone schedule. The notification shall describe in detail the anticipated length of the delay, the precise cause of the delay, the measures being taken and to be taken to minimize the delay, and the timetable by which those measures will be implemented.

8. ADEQ may grant an extension of any provision of this CAO, provided that the Permittee requests such an extension in writing and provided that the delay or anticipated delay has or will be caused by circumstances beyond the control of and without the fault of the Permittee. The time for performance may be extended for a reasonable period but in no event longer than the period of delay resulting from such circumstances. The burden of proving that any delay is caused by circumstances beyond the control of and without the fault of the Permittee and the length of the delay attributable to such circumstances shall rest with the Permittee. Failure to notify ADEQ promptly, as provided in Order and Agreement Paragraph 6, shall be grounds for a denial of an extension.

9. This CAO is subject to public review and comment in accordance with Ark. Code Ann. §8-4-103(d) and Arkansas Pollution Control and Ecology Commission Regulation No. 8 and shall not be effective until thirty (30) days after public notice is given. ADEQ retains the right to rescind this CAO based upon the comments received within the thirty-day public comment period. Notwithstanding the public notice requirements, the corrective actions necessary to achieve compliance with the terms of the Permit shall be taken immediately.

10. As provided by APC&EC Regulation No. 8, this matter is subject to being reopened upon Commission initiative or in the event a petition to set aside this CAO is granted by the Commission.

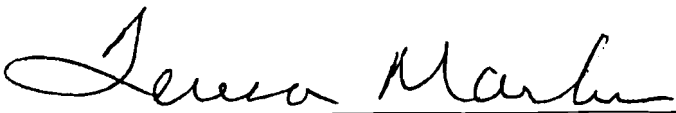
11. Nothing in this CAO shall be construed as a waiver by ADEQ of its enforcement authority over alleged violations not specifically addressed herein. Also, this CAO does not exonerate the Permittee from any past, present, or future conduct which is not expressly addressed herein, nor does it relieve the Permittee of its responsibilities for obtaining any necessary permits.

12. The Committee represents and affirms that it has existing funds appropriated and available to conduct the activities described herein.

13. The Committee represents that its abilities to commit to and provide funding or contract construction are limited by the provisions of A.C.A. 14-235-207. Such restriction may require the consent and approval of the City of North Little Rock in the future.

14. The Committee, in a duly convened meeting, with a quorum present, has approved this CAO and has authorized the individual appearing below to sign the CAO on its behalf.

SO ORDERED THIS 29<sup>th</sup> DAY OF December, 2010.

  
\_\_\_\_\_  
Teresa Marks, Director





ARKANSAS  
Department of Environmental Quality

April 19, 2010

Gary Mills, General Manager  
NLR Wastewater Utility  
PO Box 17898  
North Little Rock, AR 72117

AFIN: 60-00274, NPDES Permit No: AR0020303, ARR000067, Routine Compliance Inspection, Pretreatment Compliance Inspection

Dear Mr. Mills:

On April 7 and 8, 2011, I performed a routine compliance inspection of the above referenced 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. The inspection revealed the following:

**Faulkner Lake Wastewater Treatment Plant (AR0020303)** – The grit removal unit processes were not being operated. The wastewater is being allowed to flow through the units, but they are not being used as designed. It is my understanding that NLR Wastewater intends to replace these units sometime in the future. In the interim the units are not being operated or maintained. There was extensive corrosion of this unit process. This is a violation of Part II, B.1 of the permit which requires all units of treatment and control to be properly operated and maintained at all times.

**Faulkner Lake Wastewater Treatment Plant (ARR000067 Stormwater No Exposure Certification)** – The following violations of the “No Exposure” certification were noted:

1. At the time of the inspection, operators were cleaning up around the sludge filter press and covered dumpsters with soap and a hose. This wastewater was running off the parking lot and was not being routed to the sewer.
2. There is a used/old equipment laydown yard on the southwest corner of the facility. Stormwater runoff from the equipment laydown yard will flow to the wetlands in the southwest corner of the facility.

**NLR Wastewater Industrial Pretreatment Program** – No violations were noted.

The above items require your immediate attention. Please submit a written response to these findings to Cindy Garner, Water Division Enforcement Branch Manager. This response should be mailed to the address below. 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 documentations (i.e. picture) is due by April 29, 2011.

Gary Mills, NLR Faulkner Lake Plant  
April 19, 2010  
Page 2

If I can be any assistance, please contact me at [benson@adeq.state.ar.us](mailto:benson@adeq.state.ar.us) or 501-683-0827.

Sincerely,

A handwritten signature in blue ink that reads "Dennis Benson". The signature is cursive and fluid, with the first name "Dennis" and last name "Benson" clearly distinguishable.

Dennis Benson  
District 9 Field Inspector  
Water Division

cc: Water Division Enforcement Branch  
Water Division Permits Branch



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

## NPDES Compliance Inspection Report

Form Approved  
OMB No. 2040-0003  
Approval Expires 7-31-85

### Section A: National Data System Coding

Transaction Code			NPDES										Yr/Mo/Day						Inspec. Type		Inspector		Fac. Type																																																											
1	N	2	5	3	A	R	0	0	2	0	3	0	3	11	12	1	1	0	4	0	8	17	18	C	19	S	20	1																																																						
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<table border="1"> <tr> <td colspan="6">Inspection Work Days</td> <td colspan="6">Facility Evaluation Rating</td> <td colspan="2">BI</td> <td colspan="2">QA</td> <td colspan="10">-----Reserved-----</td> </tr> <tr> <td>67</td><td></td><td></td><td></td><td></td><td></td><td>70</td><td>3</td><td></td><td></td><td></td><td></td><td></td><td></td><td>71</td><td>N</td><td>72</td><td>N</td><td>73</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>80</td> </tr> </table>																												Inspection Work Days						Facility Evaluation Rating						BI		QA		-----Reserved-----										67						70	3							71	N	72	N	73										80
Inspection Work Days						Facility Evaluation Rating						BI		QA		-----Reserved-----																																																																		
67						70	3							71	N	72	N	73										80																																																						

### Section B: Facility Data

Name and Location of Facility Inspected (*For industrial users discharging to POTW, also include POTW name and NPDES permit number*)

NLR Wastewater Utility, Faulkner Lake Plant- 7400 Baucum Pike, NLR, AR

Entry Time/Date

09:15 am on 04/08/11

Permit Effective Date

4/1/2008

Exit Time/Date

10:27 am on 04/08/11

Permit Expiration Date

3/31/2013

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)

Ric Roll

Other Facility Data

Name, Address of Responsible Official/Title/Phone and Fax Number

Gary Mills  
NLR WASTEWATER UTILITY  
PO Box 17898  
North Little Rock, AR 72117  
501-945-7186

Contacted

Yes ☐ No ☒

### Section C: Areas Evaluated During Inspection

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

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

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

The grit removal unit processes were not being operated. The wastewater is being allowed to flow through the units, but they are not being used as designed. It is my understanding that NLR Wastewater intends to replace these units sometime in the future. In the interim the units are not being operated or maintained. There was extensive corrosion of this unit process. This is a violation of Part II, B.1 of the permit which requires all units of treatment and control to be properly operated and maintained at all times.

The facility is also in noncompliance with its "No Exposure" Certification.

Name(s) and Signature(s) of Inspector(s)

Dennis Benson

Agency/Office/Telephone/Fax

AR Dept. of Environmental Quality-  
(501) 683-0827/(501) 682-0910 (Fax)

Date

04/08/11

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 ☐NE2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES: ☐Y ☐N ☒NA ☐NE3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT: ☒Y ☐N ☐NA ☐NE4. 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 ☐NE2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE: ☒S ☐M ☐U ☐NA ☐NEa. DATES AND TIME(S) OF SAMPLING: ☒Y ☐N ☐NA ☐NEb. EXACT LOCATION(S) OF SAMPLING: ☒Y ☐N ☐NA ☐NEc. NAME OF INDIVIDUAL PERFORMING SAMPLING: ☒Y ☐N ☐NA ☐NEd. ANALYTICAL METHODS AND TECHNIQUES: ☒Y ☐N ☐NA ☐NEe. RESULTS OF CALIBRATIONS: ☒Y ☐N ☐NA ☐NEf. RESULTS OF ANALYSES: ☒Y ☐N ☐NA ☐NEg. DATES AND TIMES OF ANALYSES: ☒Y ☐N ☐NA ☐NEh. NAME OF PERSON(S) PERFORMING ANALYSES: ☒Y ☐N ☐NA ☐NE3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE: ☒S ☐M ☐U ☐NA ☐NE4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR: ☒S ☐M ☐U ☐NA ☐NE5. 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: ☐S ☐M ☒U ☐NA ☐NE2. TREATMENT UNITS PROPERLY MAINTAINED: ☐S ☐M ☒U ☐NA ☐NE3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED: ☒S ☐M ☐U ☐NA ☐NE4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE: ☒S ☐M ☐U ☐NA ☐NE5. ALL NEEDED TREATMENT UNITS IN SERVICE: (grit unit is not in service) ☐S ☒M ☐U ☐NA ☐NE6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED: ☒S ☐M ☐U ☐NA ☐NE7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED: ☐S ☐M ☐U ☐NA ☒NE8. OPERATION AND MAINTENANCE MANUAL AVAILABLE: ☒Y ☐N ☐NA ☐NE9. STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED: ☒Y ☐N ☐NA ☐NE10. PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED: ☒Y ☐N ☐NA ☐NE11. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR: ☒Y ☐N ☐NA ☐NE12. IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED: ☒Y ☐N ☐NA ☐NE13. HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS: ☒Y ☐N ☐NA ☐NE14. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT: ☐Y ☒N ☐NA ☐NE15. 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 checked="" type="checkbox"/> Y <input type="checkbox"/> N <input 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 checked="" type="checkbox"/> Y <input type="checkbox"/> N <input 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>4' parshall flume</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 checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
5. RECORDS MAINTAINED OF CALIBRATION PROCEDURES:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
6. CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE:	<input checked="" type="checkbox"/> Y <input 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 checked="" type="checkbox"/> Y <input type="checkbox"/> N <input 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 type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
a. LAB NAME:	
b. LAB ADDRESS:	
c. PARAMETERS PERFORMED:	
8. BIOMONITORING PROCEDURES ADEQUATE:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
a. PROPER ORGANISMS USED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
b. PROPER DILUTION SERIES FOLLOWED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
c. PROPER TEST METHODS AND DURATION:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
d. RETESTS AND/OR TRE PERFORMED AS REQUIRED:	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE

**SECTION G: EFFLUENT/RECEIVING WATERS OBSERVATIONS**

BASED ON VISUAL OBSERVATIONS ONLY

☒S ☐M ☐U ☐NA ☐NEDETAILS: Outfall only, receiving stream, Arkansas River, was not checked

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

**SECTION H: SLUDGE DISPOSAL**

SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS

☒S ☐M ☐U ☐NA ☐NE

DETAILS:

- |   |   |
|---|---|
| 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 type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input checked="" type="checkbox"/> 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:   | <input type="checkbox"/> Y <input type="checkbox"/> N <input 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 type="checkbox"/> NA <input type="checkbox"/> NE |
| 4. FLOW PROPORTIONED SAMPLES OBTAINED:   | <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE:  | <input type="checkbox"/> Y <input type="checkbox"/> N <input 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 type="checkbox"/> NA <input type="checkbox"/> NE |
| 7. SAMPLE SPLIT WITH PERMITTEE:  | <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED:   | <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE |
| 9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT:  | <input type="checkbox"/> Y <input type="checkbox"/> N <input 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: 4/08/11 Time: 09:30Head in Inches: 6.25 Feet:           Type & Size of Primary Flow Measurement Device:  
**4' Parshall flume**Name & Model of Secondary Flow Measurement Device:  
**Milltronics OCM II**Recorded Flow at Date & Time Listed Above: 3.914 (Facility Flow Meter)Calculated Flow at Date & Time Listed Above: 3.684  
(Flow is calculated using flow charts in: ISCO Open Channel Flow Measurement Handbook-5<sup>th</sup> Edition)

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

$$\% \text{ Error} = \frac{3.914 - 3.684}{3.684} \times 100$$

$$\% \text{ Error} = \frac{.230}{3.684} \times 100$$

$$\% \text{ Error} = \frac{.062}{\phantom{3.684}} \times 100$$

$$\% \text{ Error} = \frac{6.2}{\phantom{3.684}} \%$$

Comments:

**DMR Calculation Check**

**Reporting Period:** From 11 01 01 To 11 01 31  
Year Month Day Year Month Day

**Parameter Checked:** BOD

	<b>Loading Mass Mo. Avg. - lbs/day</b>	<b>Concentration Monthly Mo. Avg. - mg/l</b>	<b>7-day Avg. - mg/l</b>
<b>Reported Value:</b>	<u>317.9</u>	<u>8.8</u>	<u>10.6</u>
<b>Calculated Value:</b>	<u>317.9</u>	<u>8.8</u>	<u>10.6</u>
<b>Permit Value:</b>	<u>3002</u>	<u>30</u>	<u>45</u>

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

**DMR Calculation Check**

**Reporting Period:** From 11 01 01 To 11 01 31  
Year Month Day Year Month Day

**Parameter Checked:** TSS

	<b>Loading Mass Mo. Avg. - lbs/day</b>	<b>Concentration Monthly Mo. Avg. - mg/l</b>	<b>7-day Avg. - mg/l</b>
<b>Reported Value:</b>	<u>214.9</u>	<u>6.0</u>	<u>8.2</u>
<b>Calculated Value:</b>	<u>214.9</u>	<u>6.0</u>	<u>8.2</u>
<b>Permit Value:</b>	<u>3002</u>	<u>30</u>	<u>45</u>

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

**NPDES Compliance Inspection Report**  
**Further Explanation**

<b>Location:</b>	NLR Wastewater Utility							
<b>Photographer:</b>	Dennis Benson				<b>Witness:</b>	None		
<b>Photo #</b>	1	<b>Of</b>	4		<b>Date:</b>	4/08/11	<b>Time:</b>	09:26 am
<b>Description:</b>	Lots of corrosion on inoperable grit removal.							



<b>Photographer:</b>	Dennis Benson				<b>Witness:</b>	None		
<b>Photo #</b>	2	<b>Of</b>	4		<b>Date:</b>	4/08/11	<b>Time:</b>	09:45 am
<b>Description:</b>	Old equipment lay down yard that is exposed to precipitation that runs off the property.							





<b>Location:</b>	NLR Wastewater Utility						
<b>Photographer:</b>	Dennis Benson				<b>Witness:</b>	None	
<b>Photo #</b>	3	<b>Of</b>	4		<b>Date:</b>	4/08/11	<b>Time:</b> 09:46 am
<b>Description:</b>	Another view of old equipment lay down yard in southwest corner of facility.						



<b>Photographer:</b>	Dennis Benson				<b>Witness:</b>	None	
<b>Photo #</b>	4	<b>Of</b>	4		<b>Date:</b>	04/08/11	<b>Time:</b> 09:21 am
<b>Description:</b>	Soapy water runoff from housekeeping at the sludge processing area.						



**From:** [Garner, Cindy](#)  
**To:** [Allen-Daniel, Leslie](#)  
**Subject:** FW: Response to Routine Compliance Inspection at Faulkner Lake, NPDES Permit No. AR0020303  
**Date:** Thursday, April 28, 2011 1:09:36 PM

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[Please save to PDS # 058191 and Zylab.](#)

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**From:** Garner, Cindy  
**Sent:** Thursday, April 28, 2011 1:09 PM  
**To:** 'RRoll@northlittlerock.ar.gov'  
**Subject:** RE: Response to Routine Compliance Inspection at Faulkner Lake, NPDES Permit No. AR0020303

Ric,

Your response due date has been extended to May 13, 2011.

Cindy

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**From:** RRoll@northlittlerock.ar.gov [mailto:RRoll@northlittlerock.ar.gov]  
**Sent:** Thursday, April 28, 2011 12:19 PM  
**To:** Garner, Cindy  
**Subject:** Response to Routine Compliance Inspection at Faulkner Lake, NPDES Permit No. AR0020303

Cindy,

Dennis Benson inspected our Faulkner Lake plant on April 7<sup>th</sup> and 8<sup>th</sup>, 2011. We received his report of findings on April 20, 2011. There were three areas of concern which are going to involve further planning and discussion before a definitive report and schedule can be generated. It has been difficult to get the appropriate people together to discuss these issues due to storm activities and repair. Our response is due this Friday, April 29, 2011. I am requesting an extension for our response due to these circumstances and the upcoming AWWWEA conference in Hot Springs. Thanks.

Emric F. Roll  
Superintendent of Operations  
North Little Rock Waste Water Utility  
7400 Baucum Pike P.O. Box 17898  
North Little Rock, AR 72117  
(501) 945-7186  
[RRoll@northlittlerock.ar.gov](mailto:RRoll@northlittlerock.ar.gov)

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**From:** [Garner, Cindy](#)  
**To:** [Allen-Daniel, Leslie](#)  
**Subject:** FW: Response to Routine Compliance Inspection, Pretreatment Compliance Inspection, AFIN: 60-00274, NPDES Permit No. AR0020303, ARR000067  
**Date:** Friday, May 13, 2011 1:31:21 PM  
**Attachments:** [Lagoon area FL 05132011.JPG](#)  
[Lagoon area 2 FL 05132011.JPG](#)  
[Lagoon area 3 FL 05132011.JPG](#)  
[Lagoon area 6 FL 05132011.JPG](#)  
[Lagoon area 8 FL 05132011.JPG](#)  
[ADEQ Document0001.jpg](#)

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Please save to Zylab and PDS.

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**From:** RRoll@northlittlerock.ar.gov [mailto:RRoll@northlittlerock.ar.gov]  
**Sent:** Friday, May 13, 2011 1:18 PM  
**To:** Garner, Cindy  
**Cc:** GMills@northlittlerock.ar.gov; MWilkins@northlittlerock.ar.gov; BStaggs@northlittlerock.ar.gov; BCourtney@northlittlerock.ar.gov  
**Subject:** Response to Routine Compliance Inspection, Pretreatment Compliance Inspection, AFIN: 60-00274, NPDES Permit No. AR0020303, ARR000067

Dear Ms. Garner:

Our Faulkner Lake plant site was inspected by Dennis Benson, District 9 Field Inspector, Water Division on April 7 and 8, 2011. Listed below are the findings and our responses to said inspection:

**Faulkner Lake Wastewater Treatment Plant (AR0020303)**

**Finding:** "The grit removal unit processes were not being operated. The wastewater is being allowed to flow through the units, but they are not being used as designed. It is my understanding that NLR Wastewater intends to replace these units sometime in the future. In the interim the units are not being operated or maintained. There was extensive corrosion of this unit process. This is a violation of Part II, B.1 of the permit which requires all units of treatment and control to be properly operated and maintained at all times."

**Response:** The grit chamber units are being refurbished to operating standards and will be put into service around July, 2011. As a side note, we are planning to modify our grit removal procedures in our next scheduled upgrade (see attached letter from ADEQ dated October 6, 2010.) This will eliminate the existing grit removal units.

**Faulkner Lake Wastewater Treatment Plant (ARR000067 Stormwater No Exposure Certification)**

**Finding:** "At the time of the inspection, operators were cleaning up around the sludge filter press and covered dumpsters with soap and a hose. This wastewater was running off the parking lot and was not being routed to the sewer."

**Response:** The dumpster staging area is where the belt pressed biosolids are collected prior to being transported to American Composting for further processing. There is a floor channel drain surrounding the dumpster area on three sides. Most of the liquid that drains from the dumpsters during the loading process is channeled to these drains. When the operator cleans the area with soap, deodorizer and water, some liquid escapes into the roadway and parking lot which then drains into a grass yard area. We have purchased a spill containment berm system which will surround all four sides of the dumpster area. This berm system will ensure that all dumpster runoff and wash water will be channeled into the existing drains which return to the plant for further processing.

**Finding:** "There is a used/old equipment laydown yard on the southwest corner of the facility. Stormwater runoff from the equipment laydown yard will flow to the wetlands in the southwest corner of the facility."

**Response:** We are reworking this storage area by adding curbs and gutters to channel any water runoff to the sewer drain which is located on the southeast side of the lagoons. Since receipt of the

inspection report, we have initiated efforts to relocate equipment and materials to an area where it will drain towards our lagoons. This will clear the area in question and allow a contractor to install the curbing and gutters. Relocation of the existing materials and equipment will be completed by May 20, 2011. We project completion of the contracted installation of curbing and gutters by June 30, 2011. See attached pictures showing current progress – pictures of the completed project will be sent when finished.

Emric F. Roll  
Superintendent of Operations  
North Little Rock Waste Water Utility  
7400 Baucum Pike P.O. Box 17898  
North Little Rock, AR 72117  
(501) 945-7186  
[RRoll@northlittlerock.ar.gov](mailto:RRoll@northlittlerock.ar.gov)

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ARKANSAS  
Department of Environmental Quality

June 27, 2011

Emric Roll  
North Little Rock Waste Water Utility  
7400 Baucum Pike  
P.O. Box 17898  
North Little Rock, AR 72117

RE: AFIN: 60-00274

NPDES Tracking No.: AR0020303

Dear Mr. Roll:

The Department has received your response to the April 28, 2011 inspection of your facility by our District Field Inspector, Dennis Benson. Your letter appears to adequately address the discrepancies identified during the visit. The Department looks forward to receiving your letter notifying the Department of the completion of the corrective actions. Please include photos of the effective areas upon completion. Acceptance of this response by the Department does not preclude any future enforcement action deemed necessary at this site or any other site.

The Department will keep the inspection and response on file. If future violations occur that require enforcement action, the Department will consider the inspection and response as required by the Pollution Control and Ecology Commission Regulation No. 7, Civil Penalties. This regulation requires the Department to consider the past history of your site and how expeditiously the violations were addressed in determining any civil penalty that may be necessary for any future violations.

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 501-682-0823 or you may e-mail me at [suel@adeq.state.ar.us](mailto:suel@adeq.state.ar.us).

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin Suel", is written over a light blue horizontal line.

Kevin Suel  
Enforcement Analyst  
Water Division Enforcement Branch