

Peltier, Hannah

From: Gilliam, Allen
Sent: Thursday, May 28, 2015 10:11 AM
To: Denise.Georgiou@CH2M.com
Cc: tnyander@fayetteville-ar.gov; Billy.Ammons@CH2M.com; Mayo.Miller@ch2m.com; Kaelin, Cynthia; Ramsey, David; Anderson, Alan; McDonald, Scott; Johnson, Miles; Healey, Richard; Peltier, Hannah
Subject: AR0020010_Fayettevilles AR0050288 May 2015 annual Pretreatment report_20150528
Attachments: 2014 FYVL Annl IPP Rpt to ADEQ.PDF

Denise,

Fayetteville's May 2015 annual Pretreatment report was electronically received, reviewed, deemed complete and compliant with the reporting requirements in 40 CFR 403.12(i). There are no further actions deemed necessary at this time and a hard copy is not necessary.

Thank you for your timely report.

Sincerely,

Allen Gilliam
ADEQ State Pretreatment Coordinator
501.682.0625

E/NPDES/NPDES/Pretreatment/Reports

From: Denise.Georgiou@CH2M.com [<mailto:Denise.Georgiou@CH2M.com>]
Sent: Thursday, May 28, 2015 9:07 AM
To: Gilliam, Allen
Cc: tnyander@fayetteville-ar.gov; Billy.Ammons@CH2M.com; Mayo.Miller@ch2m.com
Subject: AR0020010, AFIN 72-00781 and AR0050288, AFIN 72-01033 - Fayetteville Annual Pretreatment Report

Mr. Gilliam,

In accordance with NPDES Permits AR0020010, AFIN 72-00781 and AR0050288, AFIN 72-01033, the City of Fayetteville Annual Pretreatment Report is attached.

Please let me know if you would like us to also submit hard copy of the report.

Thank you,

Denise Georgiou
Industrial Pretreatment Coordinator
O +1 479 443 3292
Denise.Georgiou@ch2m.com

CH2M
1400 N. Fox Hunter Road
Fayetteville, AR 72701
www.ch2m.com | [LinkedIn](#) | [Twitter](#) | [Facebook](#)

 Please consider the environment before printing this e-mail



May 27, 2015

Allen Gilliam, Engineer / Water Division
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317

**RE: City of Fayetteville 2014 Annual Pretreatment Report
(Permit No. AR0020010, AFIN 72-00781 and AR0050288, AFIN 72-01033)**

Dear Mr. Gilliam,

In accordance with NPDES Permits AR0020010, AFIN 72-00781 and AR0050288, AFIN 72-01033, the Annual Pretreatment Report is enclosed.

Regarding your comments on last year's report, the frequency for monitoring of 40 CFR 122, Appendix D, Table III parameters at the West Side WRRF was changed to once per quarter in a letter dated November 8, 2006 from Martin Maner (see attached). Also, we have combined the Paul R. Noland and West Side Annual Pretreatment Reports per your request.

Please do not hesitate to contact Denise Georgiou at 479-443-3292 or by email at Denise.Georgiou@ch2m.com if you have any questions.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

City of Fayetteville

A handwritten signature in blue ink, appearing to read "Tim Nyander", is written over a faint, illegible background.

Tim Nyander
Utilities Director

Enclosures (2)

MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT
REPORTING YEAR: January 2014 TO December 2014
TREATMENT PLANT: City of Fayetteville Paul R. Noland WRRF NPDES PERMIT #AR0020010
AVERAGE POTW FLOW: 5.2 MGD % IU FLOW: 15.7%

METALS, CYANIDE and PHENOLS (Total)	MAHC (Total) (ug/L) (2)	Influent Dates Sampled (ug/L) Once/quarter				WQ level/ limit (ug/L) (2)	Effluent Dates Sampled (ug/L) Once/quarter				LABORATORY ANALYSIS		
		Date	Date	Date	Date		Date	Date	Date	Date	EPA MQL (ug/L) (1)	EPA Method Used (1)	Detection Level Achieved (ug/L)
		02/26/14*	04/17/14**	08/5/14***	10/30/14****		02/26/14*	04/17/14**	08/5/14***	10/30/14****			
Antimony	N/A	0	0	0	0	N/A	0	0	0	0	60	200.8	60
Cadmium	21.2	0	0	0	0	7.0	0	0	0	0	0.5	200.8	0.5
Copper	684.66	60	31	47	44	41.1	2.1	2.6	3.2	3.1	0.5	200.8	0.5
Lead	39.02	1.4	1.7	3.1	2.6	18.7	0	0	0	0	0.5	200.8	0.5
Mercury	0.03	0.0073	0.020	0.021	0.0093	0.01	0	0	0	0	0.005	245.7	0.0050
Nickel	235.34	8.1	6.5	7.1	6.3	422.02	4.9	3.9	5.2	4.2	0.5	200.8	0.5
Selenium	11.16	0	0	0	0	5.6	0	0	0	0	5	200.8	5
Silver	44.34	0.56	0	0.51	0.59	20.0	0	0	0	0	0.5	200.8	0.5
Zinc	300.00	98	87	200	120	372.9	31	0	0	26	20	200.8	20
Chromium	676.51	0	0	0	0	1255.02	0	0	0	0	10	200.8	10
Cyanide	18.72	0	0	0	0	5.8	0	0	0	0	10	SM4500-CN C,E 1999	10
Arsenic	30.82	0.95	1.1	1.4	0.98	342.4	0	0	0.64	0.57	0.5	200.8	0.5
Molybdenum	27.74	0	0	0	0	N/A	0	0	0	0	--	200.8	8
Phenols	N/A	69	34	73	82	N/A	13	14	13	33	5	420.1	5
Beryllium	11.83	0	0	0	0	5.9	0	0	0	0	0.5	200.8	0.5
Thallium	N/A	0	0	0	0	N/A	0	0	0	0	0.5	200.8	0.5
Flow, MGD	--	3.99	5.18	3.94	4.19	--	4.60	7.70	3.75	4.30	--	--	--
Bis (2-ethylhex yl) phthalate (3)	--			15		--			0		--	625	10
Phenol (3)	--			17		--			0		--	625	10
Toluene (3)	--			32		--			0		--	624	10

* All influent and effluent samples collected 02/26/14 except mercury collected 2/25/14.

** All influent and effluent samples collected 04/17/14 except mercury collected 4/16/14.

*** All influent and effluent samples collected 08/5/14 except mercury and toluene collected 08/4/14.

**** All influent and effluent samples collected 10/30/14 except mercury collected 10/29/14,

(1) It is advised that the influent and effluent samples are collected considering flow detention time through each plant. **Analytical MQLs must be met for the effluent (and SHOULD be met for the influent) so the data can also be used for Local Limits assessment and NPDES application purposes.**

(2) This value was calculated during the development of TBLL based on State WQ criteria, EPA guidance and either ADEQ Pretreatment staff Excel spreadsheets or the Permittee's consultant with concurrence from Pretreatment staff. [Table & values provided by R. Torrence of ADEQ in a letter dated October 1, 2009.]

(3) Record the name of any pollutant [40 CFR 122, Appendix D, Table II and/or Table V] detected and the concentration at which they were detected.

MAHL - Maximum Allowable Headworks Level / MAHC – Maximum Allowable Headworks Concentration

WQ - "Water Quality Levels not to exceed" OR actual permit limit.

In accordance with a letter from R. Torrence of ADEQ dated July 10, 2009, all values in the table above that are less than detection level are reported as zero.

MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT
REPORTING YEAR: January 2014 TO December 2014
TREATMENT PLANT: City of Fayetteville West Side WRRF NPDES PERMIT #AR0050288
AVERAGE POTW FLOW: 6.1 MGD % IU FLOW: 0.0%

METALS, CYANIDE and PHENOLS (Total)	MAHC (Total) (ug/L) (2)	Influent Dates Sampled (ug/L) Once/quarter				WQ level/ limit (ug/L) (2)	Effluent Dates Sampled (ug/L) Once/quarter				LABORATORY ANALYSIS		
		Date	Date	Date	Date		Date	Date	Date	Date	EPA MQL (ug/L) (1)	EPA Method Used (1)	Detection Level Achieved (ug/L)
		03/12/14*	04/24/14**	08/13/14***	10/22/14****		03/12/14*	04/24/14**	08/13/14***	10/22/14****			
Antimony	N/A	0	0	0	0	N/A	0	0	0	0	60	200.8	60
Cadmium	21.2	0	0	0	0	7	0	0	0	0	0.5	200.8	0.5
Copper	456.44	25	110	52	39	41.08	2.1	17	2.4	0	0.5	200.8	0.5
Lead	74.91	0.71	1.4	2.6	2.0	18.73	0	0	0	0	0.5	200.8	0.5
Mercury	0.03	0.023	0.006	0.022	0.023	0.01	0	0	0	0	0.005	245.7	0.0050
Nickel	844.04	6.8	6.1	7.4	7.3	422.02	4.8	3.0	4.1	4.6	0.5	200.8	0.5
Selenium	11.16	0	0	0	0	5.58	0	0	0	0	5	200.8	5
Silver	86.74	0	0.67	0.96	1.3	19.95	0	0	0	0	0.5	200.8	0.5
Zinc	300.00	90	210	200	130	372.89	46	0	26	20	20	200.8	20
Chromium	1000.0	0	0	0	0	1255.02	0	0	0	0	10	200.8	10
Cyanide	18.72	0	0	0	0	5.80	0	0	0	0	10	SM4500-CN C,E 1999	10
Arsenic	100.0	0.86	0.74	1.3	1.0	342.39	0	0	0.62	0	0.5	200.8	0.5
Molybdenum	200.0	0	0	0	0	N/A	0	0	0	0	--	200.8	8
Phenols	N/A	44	46	100	76	N/A	7	9.7	8.8	12	5	420.1	5
Beryllium	11.83	0	0	0	0	5.91	0	0	0	0	0.5	200.8	0.5
Thallium	N/A	0	0	0	0	N/A	0	0	0	0	0.5	200.8	0.5
Flow, MGD	N/A	7.64	6.06	4.28	5.78	N/A	7.60	6.13	4.07	5.80			
phenol (3)	N/A			12		N/A			0		--	625	10

* All influent and effluent samples collected 03/12/14 except mercury collected 03/11/14.
** All influent and effluent samples collected 04/24/14 except mercury collected 04/23/14.
*** All influent and effluent samples collected 08/13/14 except mercury collected 08/12/14.
**** All influent and effluent samples collected 10/22/14 except mercury collected 10/21/14.

(1) It is advised that the influent and effluent samples are collected considering flow detention time through each plant. **Analytical MQLs must be met for the effluent (and SHOULD be met for the influent) so the data can also be used for Local Limits assessment and NPDES application purposes.**

(2) This value was calculated during the development of TBLL based on State WQ criteria, EPA guidance and either ADEQ Pretreatment staff Excel spreadsheets or the Permittee's consultant with concurrence from Pretreatment staff. [Table & values provided by R. Torrence of ADEQ in a letter dated October 1, 2009.]

(3) Record the name of any pollutant [40 CFR 122, Appendix D, Table II and/or Table V] detected and the concentration at which they were detected.

MAHL - Maximum Allowable Headworks Level / MAHC – Maximum Allowable Headworks Concentration

WQ - "Water Quality Levels not to exceed" OR actual permit limit.

In accordance with a letter from R. Torrence of ADEQ dated July 10, 2009, all values in the table above that are less than detection level are reported as zero.

PRETREATMENT PROGRAM STATUS REPORT
 UPDATED SIGNIFICANT INDUSTRIAL USERS LIST

Industrial User Name	SIC Code/ NAICS Code	Categorical Determination (40CFRXXX or N/A)	Control Document		New User or Newly ID	Times Inspected	Times Sampled ² (SIU+WRRF/ WRRF sampling)	Compliance Status ¹ (N/A, C, NC, or SNC)					WRRF ³
			Y or N	Last Action				Reports				Permit Limits (parameter violated & number of times)	
								BMR	90-Day Compliance	Semi Annual	Self Monitoring		
Ayrshire Electronics, LLC ⁴ , 1101 S. Beechwood Ave.	3672/334418	Non-SIU	Y	04/01/13 Reissued	No	1	N/A – Non-SIU	N/A	N/A	N/A	N/A	N/A	NoI
Custom Powder Coating Services, Inc, 1629 W. Farmington St.	3479/332812	40 CFR 433	Y	01/01/10 Reissued	No	2	3/1	N/A	N/A	C	C	C	NoI
Elkhart Products Corporation, 3265 Hwy 71 S.	3498/332996 3351/331420 3366/331529 3432/332913	40 CFR 468	Y	09/01/08 Reissued	No	3	26/1	N/A	N/A	C	C	C	NoI
Hiland Dairy Company, 301 E. 15 th St.	2026/311511 2086/312111	N/A	Y	03/01/10 Reissued	No	1	369/4	N/A	N/A	C	NC	C	NoI
Marshalltown Company, 2200 Industrial Drive	3423/332212	40 CFR 433	Y	12/01/08 Reissued	No	1	3/1	N/A	N/A	C	NC	C	NoI
Pinnacle Foods Corporation, 100 W 15 th St.	2038/311412	N/A	Y	06/01/10 Reissued	No	1	162/4	N/A	N/A	C	NC	C	NoI
Superior Industries International Arkansas, LLC, 1901 Borick Dr.	3714/336399	40 CFR 433	Y	12/29/08 Transfer	No	1	26/1	N/A	N/A	C	NC	C	NoI

Industrial User Name	SIC Code/ NAICS Code	Categorical Determination (40CFRXXX or N/A)	Control Document		New User or Newly ID	Times Inspected	Times Sampled ² (SIU+WRRF/ WRRF sampling)	Compliance Status ¹ (N/A, C, NC, or SNC)					WRRF ³
			Y or N	Last Action				Reports				Permit Limits (parameter violated & number of times)	
								BMR	90-Day Compliance	Semi Annual	Self Monitoring		
Tyson Mexican Original, 2615 S. School	2038/311412 2099/31183	N/A	Y	03/01/10 Reissued	No	1	369/4	N/A	N/A	C	C	C	NoI

1 NA = Not Applicable

C = Compliant: no violations in pretreatment year.

NC = Non-compliant: 1 or more violations in pretreatment year, but not SNC.

SNC = Significant Noncompliance: as defined in 40 CFR 403.8(f)(2) and the Fayetteville Sewer Use Ordinance, and calculated on rolling quarters.

2 Per Don Morgan, ADEQ, and David Long, EPA, 2/1/2006, include self-monitoring in these data

3 NoI = Paul R. Noland Water Resource Recovery Facility

WS = West Side Water Resource Recovery Facility


4 Ayrshire is a Non-SIU

Significant Violations - Enforcement Actions Taken

Industrial User Name	Nature of Violation		Number of Actions Taken					Penalties Collected	Compliance Schedule		Current Status	Comments
	Reports	Limits	N.O.V.	A.O.	Civil	Criminal	Other		Date Issued	Date Due		
No industrial users with significant violations												

PRETREATMENT PERFORMANCE SUMMARY

NOTE: All questions refer to the industrial pretreatment program as approved by ADEQ.
The Permittee should not answer the questions based on changes made to the approved program without Department authorization.

<p align="center"><u>I. General Information</u></p> <p>Control Authority: City of Fayetteville 1400 N Fox Hunter Road Fayetteville, AR 72701</p> <p>Contact Person: Denise Georgiou, IPC (479) 443-3292</p> <p>NPDES No.: AR0020010 & AR0050288</p> <p>Reporting Period: January 2014 - December 2014</p> <p>Total Categorical IUs: <u>4</u></p> <p>Total Significant Noncategorical IUs: <u>3</u></p> <p>Total Non-Significant (yet permitted) IUs: <u>1</u></p>	<p>The following certification must be signed in order for this form to be considered complete:</p> <p>I certify that the information contained herein is complete and accurate to the best of my knowledge.</p> <p align="center">  _____ Tim Nyander Utilities Director Authorized Representative </p> <p align="right"> May 27, 2015 Date </p>
---	--

<u>II. Significant Industrial User Compliance</u>	Significant Industrial Users	
	Categorical	Noncategorical
1) No. of SIUs submitting BMRs/No. Required.....	0 / 0	N/A
2) No. of SIUs submitting 90-Day Compliance Reports/No. Required.....	0 / 0	N/A
3) No. of SIUs submitting Semiannual Report/No. Required.....	4 / 4	3 / 3
4) No. of SIUs meeting Compliance Schedule/No. Required.....	0 / 0	0 / 0
5) No. of SIUs in Significant Noncompliance/Total No. of SIUs.....	0 / 4	0 / 3
6) Rate of Significant Noncompliance for all SIUs (categorical and noncategorical).....	0 / 7	

<u>III. Compliance Monitoring Program</u>		
1) No. of Control Documents Issued/No. Required.....	4 / 4	4 / 4
2) No. of Nonsampling Inspections Conducted.....	7	3
3) No. of Sampling Visits Conducted.....	4	12
4) No. of Facilities Inspected (nonsampling).....	4	4
5) No. of Facilities Sampled.....	4	3

<u>IV. Enforcement Actions</u>		
1) Compliance Schedules Issued/Schedules Required.....	0 / 0	0 / 0
2) Notices of Violation Issued to SIUs.....	0	0
3) Administrative Orders Issued to SIUs.....	0	0
4) Civil Suits Filed.....	0	0
5) Criminal Suits Filed.....	0	0
6) Significant Violators (attach newspaper list).....	0	0
7) Amount of Penalties Collected (total dollars/IUs assessed).....	\$0 / 0	\$0 / 0
8) Other Actions (sewer bans, etc.).....	0	0

2014 Industrial Pretreatment Year

No interference, pass through, upset or WRRF permit violations occurred that were known or suspected to be caused by industrial contributors and so no actions were taken.

There were no industrial users in significant noncompliance so newspaper publication was not necessary for the industrial pretreatment year.

Tyson Mexican Original added a corn line in October 2014. Discharge flows from their facility for January to September 2014 averaged 3.188 million gallons per month. For October 2014 through March 2015, average discharge flows were 4.008 million gallons per month (26% increase). Initially, flows and concentrations both increased resulting in a significant loading increase. Over a few months, flows stayed up, but concentrations decreased, resulting in a 10 % loading increase compared to before installation of the new corn line. This new corn line is not expected to have a significant impact on the Paul R. Noland WRRF.

ADEQ

ARKANSAS
Department of Environmental Quality

November 8, 2006

Mr. David Jurgens, P. E., Water and Wastewater Director
City of Fayetteville
1400 North Fox Hunter Road
Fayetteville, AR 72701

RE: NPDES Permit No. AR0050288, West Side WWTP

Dear Mr. Jurgens:

In accordance with 40 CFR 122.63(a), Page 3 of Part III has been modified to reflect the correct monitoring frequency for the toxic pollutants in 40 CFR 122, Appendix D, Tables III and V (Once/Quarter instead of Once/Six months).

Please replace the old page (Page 3 of Part III) of the permit with the enclosed corrected page.

If there are any questions, please contact Allen Gilliam at (501) 682-0625.

Sincerely,



Martin Maner, P.E.
Chief, Water Division

MM:ag

Enclosure

cc: David Ramsey
Frank Esry
Enforcement Administrator
Central File

NPDES PERMIT FILE
NPDES # AR0050288
AFIN # 72-01033

Permit PN

Correspondence

Technical Backup

11/27/06 * Date Scanned

pollutants to be monitored, sampling location, sampling frequency, and sample type, based on the applicable general pretreatment standards in 40 CFR 403, categorical pretreatment standards, local limits, and State and local law:

- e. Statement of applicable civil and criminal penalties for violation of pretreatment standards and requirements, and any applicable compliance schedule. Such schedules may not extend the compliance date beyond federal deadlines.
5. The permittee shall evaluate, at least once every two years, whether each Significant Industrial User needs a plan to control slug discharges. If the POTW decides that a slug control plan is needed, the plan shall contain at least the minimum elements required in 40 CFR 403.8 (f)(2)(v).
 6. The permittee shall provide adequate staff, equipment, and support capabilities to carry out all elements of the pretreatment program; and
 7. The approved program shall not be modified by the permittee without the prior approval of the Department.
- B. The permittee shall establish and enforce specific limits to implement the provisions of 40 CFR Parts 403.5(a) and (b), as required by 40 CFR Part 403.5(c). Each POTW with an approved pretreatment program shall continue to develop these limits as necessary and effectively enforce such limits.
- All specific prohibitions or limits developed under this requirement are deemed to be conditions of this permit. The specific prohibitions set out in 40 CFR Part 403.5(b) shall be enforced by the permittee unless modified under this provision.
- C. The permittee shall analyze the treatment facility influent and effluent for the presence of the toxic pollutants listed in 40 CFR 122 Appendix D (NPDES Application Testing Requirements) Table II at least **once per year** and the toxic pollutants in Table III at least **4/yr (once per quarter)**. If, based upon information available to the permittee, there is reason to suspect the presence of any toxic or hazardous pollutant listed in Table V, or any other pollutant, known or suspected to adversely affect treatment plant operation, receiving water quality, or solids disposal procedures, analysis for those pollutants shall be performed at least **4/yr (once per quarter)** on both the influent and effluent.
1. The influent and effluent samples collected shall be composite samples consisting of at least 12 aliquots collected at approximately equal intervals over a representative 24 hour period and composited according to flow. Sampling and analytical procedures shall be in accordance with guidelines established in 40 CFR 136. Where composite samples are inappropriate,