

Gage, Hannah

From: Gilliam, Allen
Sent: Tuesday, May 31, 2016 3:54 PM
To: 'Denise.Georgiou@CH2M.com'
Cc: tnyander@fayetteville-ar.gov; Billy.Ammons@CH2M.com; Mayo.Miller@ch2m.com; Gage, Hannah; Leamons, Bryan; Ramsey, David; Kaelin, Cynthia; Pemberton, Layne
Subject: AR0020010_Fayetteville Noland and West AR0050288 May 2016 Annual Pretreatment Report_20160531
Attachments: 2015 FYVL Annl IPP Rpt.pdf

Denise,

Fayetteville's May 2016 annual Pretreatment Program report was electronically received, reviewed, deemed complete and compliant with the reporting requirements in 40 CFR 403.12(i). No further actions are deemed necessary at this time.

No hard copy is necessary.

Thank you for your timely and detailed 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 26, 2016 4:08 PM
To: Gilliam, Allen
Cc: tnyander@fayetteville-ar.gov; Billy.Ammons@CH2M.com; Mayo.Miller@ch2m.com
Subject: FW: 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,

CH2M for City of Fayetteville

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

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May 25, 2016

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

**RE: City of Fayetteville 2015 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.

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

Enclosure

MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT
REPORTING YEAR: January 2015 TO December 2015
TREATMENT PLANT: City of Fayetteville Paul R. Noland WRRF NPDES PERMIT #AR0020010
AVERAGE POTW FLOW: 6.5 MGD % IU FLOW: 12.4%

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)
		02/04/15*	05/12/15**	07/15/15***	10/13/15		02/04/15*	05/12/15**	07/15/15	10/13/15			
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	3.6	14	29	37	41.1	28	3.2	3.4	2.8	0.5	200.8	0.5
Lead	39.02	0	1.3	1.7	1.9	18.7	1.7	0	0	0	0.5	200.8	0.5
Mercury	0.03	0.013	0.032	0.022	0	0.01	0	0.0091	0	0.010	0.005	245.7	0.0050
Nickel	235.34	3.7	8.5	8.0	6.8	422.02	6.8	4.7	6.2	4.1	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	0	0	0.53	20.0	0	0	0	0	0.5	200.8	0.5
Zinc	300.00	68	84	94	160	372.9	88	24	24	27	20	200.8	20
Chromium	676.51	0	0	0	0	1255.0	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	1.0	1.6	2.1	342.4	0.63	0.78	0.94	0.73	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	93	52	110	86	N/A	40	25	16	7.0	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	--	4.640	12.120	5.712	5.325	--	4.670	14.900	7.980	4.440	--	--	--
Phenol (3)	N/A	--	--	21	--	--	--	--	--	--	--	625	10
Toluene (3)	N/A	--	--	10	--	--	--	--	--	--	--	624	10

* All influent and effluent samples collected 02/04/15 except mercury collected 02/03/15.

** All influent and effluent samples collected 05/12/15 except mercury collected 05/11/15.

*** All influent samples collected 07/15/15 except toluene collected 07/16/15.

(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 2015 TO December 2015
TREATMENT PLANT: City of Fayetteville West Side WRRF NPDES PERMIT #AR0050288
AVERAGE POTW FLOW: 8.3 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)
		02/10/15*	05/07/15**	07/30/15***	10/21/15****		02/10/15*	05/07/15**	07/29/15***	10/21/15****			
Antimony	N/A	0	0	0	0	N/A	0	0	0	0	60	200.8	60 & 30
Cadmium	21.2	0.12	0	0	0	7	0	0	0	0	0.5	200.8	0.5 & 0.1
Copper	456.44	44	30	41	51	41.08	3.5	2.3	2.1	2.4	0.5	200.8	0.5
Lead	74.91	1.4	2.7	1.7	4.0	18.73	0	0	0	0	0.5	200.8	0.5
Mercury	0.03	0.0072	0.090	0.046	0.039	0.01	0	0	0	0	0.005	245.7	0.0050 & 0.025
Nickel	844.04	35	7.0	7.5	5.6	422.02	4.2	4.2	4.9	3.1	0.5	200.8	0.5
Selenium	11.16	0	0	0	0	5.58	0	0	0	0	5	200.8	5 & 2
Silver	86.74	0.67	0.64	0.66	1.2	19.95	0	0	0	0	0.5	200.8	0.5 & 0.2
Zinc	300.00	110	140	220	220	372.89	45	22	0	0	20	200.8	20 & 2
Chromium	1000.0	0	0	0	0	1255.02	0	0	0	0	10	200.8	10 & 7
Cyanide	18.72	0	0	0	0	5.80	0	0	0	0	10	SM4500-CN C,E 1999	10
Arsenic	100.0	0.64	1.2	2.0	2.0	342.39	0	0	0	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	390	140	98	120	N/A	6	7.8	26	22	5	420.1	5
Beryllium	11.83	0	0	0	0	5.91	0	0	0	0	0.5	200.8	0.5 & 0.3
Thallium	N/A	0	0	0	0	N/A	0	0	0	0	0.5	200.8	0.5
Flow, MGD	--	5.913	6.522	6.684	5.064	--	5.916	6.263	6.160	5.228	--	--	--

* All influent and effluent samples collected 02/10/15 except mercury collected 02/09/15.

** All influent and effluent samples collected 05/07/15 except mercury collected 05/06/15.

*** All influent samples collected 07/30/15 and all effluent samples collected 07/29/15 except influent and effluent mercury collected 07/28/15.

**** All influent and effluent samples collected 10/21/15 except low level mercury collected 10/20/15 and mercury collected 10/21/15.

(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); NSCIUs; Middle Tier CIUs; Reduced; Conc; Mass; BMP ¹	Control Document		New User or Newly ID	Times Inspected	Times Sampled ² (SIU+WRRF/ WRRF sampling)	Compliance Status ³ (N/A, C, NC, or SNC)					WRRF ⁴
			Y or N	Last Action				Reports				Permit Limits (parameter violated & number of times)	
								BMR	90-Day Compliance	Semi Annual	Self Monitoring		
Ayrshire Electronics, LLC, 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	Nol
Custom Powder Coating Services, Inc., 1629 W. Farmington St.	3479/332812	40 CFR 433 BMP - TOMP	Y	01/01/10 Reissued	No	1	3/1	N/A	N/A	C	C	C	Nol
Elkhart Products Corporation, 3265 Hwy 71 S.	3498/332996 3351/331420 3366/331529 3432/332913	40 CFR 468	Y	09/01/08 Reissued	No	4	23/1	N/A	N/A	C	C	C	Nol
Hiland Dairy Foods, Inc., 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	C	C	Nol
Marshalltown Company, 2200 Industrial Drive	3423/332212	40 CFR 433 BMP -TOMP	Y	12/01/08 Reissued	No	1	3/1	N/A	N/A	C	C	C	Nol
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	C	C	Nol
Superior Industries International Arkansas, LLC, 1901 Borick Dr.	3714/336399	40 CFR 433 BMP -TOMP	Y	12/29/08 Transfer	No	3	25/1	N/A	N/A	C	NC	C	Nol
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	Nol

1 NSCIUs = Non-Significant Categorical Industrial Users

CIUs = Categorical Industrial Users

Reduced = Industrial users subject to categorical pretreatment standards that are subject to reduced monitoring and reporting requirements under 40 CFR 403.12(e)(2) & (3)

Conc = Industrial Users subject to the following categorical Pretreatment Standards [Organic Chemicals, Plastics, and Synthetic Fibers (OCPSF) (40 CFR Part 414), Petroleum Refining (40 CFR Part 419), and Pesticide Chemicals (40 CFR Part 455)] and for which the Control Authority has chosen to use the concentration based standards rather than converting them to flow-based mass standards as allowed at 40 CFR 403.6(c)(6)

Mass = Categorical Industrial Users subject to concentration-based standards for which the Control Authority has chosen to convert the concentration-based standards to equivalent mass limits, as allowed at 40 CFR 403.6(c)(5)

BMP = Best Management Practices or Pollution Prevention alternatives required by a categorical Pretreatment Standard or as a local limit requirement that are implemented and documentation to demonstrate compliance, as required at 40 CFR 403.12 (b), (e) and (h).

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

3 N/A = 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.

4 Nol = Paul R. Noland Water Resource Recovery Facility

WS = West Side Water Resource Recovery Facility

Significant Non-Compliant (SNC) Industries - 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 ADI:Q.
The Permittee should not answer the questions based on changes made to the approved program without Department authorization.

I. General Information

Control Authority: **City of Fayetteville**
1400 N Fox Hunter Road
Fayetteville, AR 72701

Contact Person: Denise Georgiou, IPC
(479) 443-3292

NPDES No.: **AR0020010 & AR0050288**

Reporting Period: January 2015 - December 2015


Total Categorical IUs: 4

Total Significant Noncategorical IUs: 3

Total Non-Significant (yet permitted) IUs: 1

The following certification must be signed in order for this form to be considered complete:

I certify that the information contained herein is complete and accurate to the best of my knowledge.



Tim Nyander
Utilities Director
Authorized Representative

May 25, 2016
Date

<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	3 / 3
2) No. of Nonsampling Inspections Conducted.....	9	3
3) No. of Sampling Visits Conducted.....	4	12
4) No. of Facilities Inspected (nonsampling).....	4	3
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

2015 Industrial Pretreatment Year

There were no Significant Industrial Users whose authorization to discharge was terminated or revoked.

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.

The ADEQ-approved, modified Discharge and Pretreatment Regulations in the Fayetteville Code of Ordinances were passed and approved February 17, 2015. Ordinance No. 5739 was effective March 19, 2015.

Tyson Mexican Original added a new flour tortilla press line. Water for this new line is used in the product and no significant increases were observed in its discharge attributed to this addition. Marshalltown Company increased its daily discharge flows from 2,300 gallons per day to 6,000 gallons per day due to 3 new wet dust collectors. No substantial change in pollutants discharged was observed. Superior Industries International Arkansas installed 3 holding tanks and controllers to hold spent soap tank solutions. This enables the facility to slowly meter out the spent soap solutions to reduce the potential for foam at the Noland WRRF. There was no significant impact on the Noland WRRF effluent as a result of these changes.

The City of Fayetteville has been participating in DEA National Drug Take Back Days since 2010. The Fayetteville Industrial Pretreatment Coordinator has been a volunteer for these semi-annual events. In 2015, Harps Grocery Stores, local police departments, the Washington County Sheriff's Office, Project Right Choice, and NWA Tobacco and Drug Free Coalition hosted event collection sites in Washington County and collected 700 pounds of unneeded drugs. There are also 11 permanent collection boxes in cities in Washington County. These collection events and permanent collection boxes help prevent drug misuse and abuse, and protect Water Resource Recovery Facilities and the watershed.