

CCXKO
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Springdale Water Utilities

526 Oak Avenue P.O. Box 769 Springdale, Arkansas 72765-0769 (479) 751-5751

Allen Gilliam
Arkansas Department of Environmental Quality
5301 Northshore Dr.
North Little Rock, AR 72118-5317

**RE: City of Springdale, AR
NPDES #AR0022063, AFIN #72-00003
Pretreatment Program Audit/Pollution Prevention (P2) Assessment**

*Response to Feb '13 Audit
adequate.
AF*

April 16, 2013

Dear Mr. Gilliam:

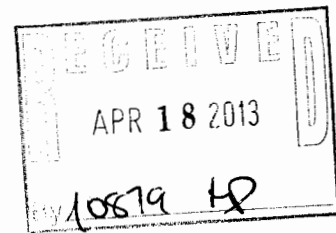
Enclosed is a copy of Springdale Water Utilities' response to your audit report dated March 7, 2013.

Springdale Water Utilities was pleased show you Springdale's Industrial Pretreatment Program during the course of this audit. I believe that this response will demonstrate that the required corrections will be addressed within a reasonable amount of time. Your recommendations for the Pretreatment Program are appreciated and will be considered as Springdale Water Utilities program modifications are prepared for approval.

Once again, we are grateful for your thorough assessment and positive review of our program. If you have any questions concerning this response, or if you feel that any part of the audit has not been adequately addressed, please do not hesitate to contact Mr. Bradley Stewart at (479) 756-3657.

Sincerely,

Terry Phillips
Acting Executive Director



BJS/bjs

Attachments

Cc: Bradley Stewart, Pretreatment Manager, SWU
Jennifer Enos, WWTF Director, SWU
John Fazio, Field Inspector, ADEQ
File

**City of Springdale, AR
NPDES #AR0022063, AFIN #72-00003**

**Pretreatment Program Audit
Pollution Prevention Assessment
Report Response**

C) RECOMMENDED POTW ACTIONS FOR THE IMPROVED IMPLEMENTATION OF THE PRETREATMENT AND POLLUTION PREVENTION PROGRAMS.

1) It is strongly recommended to send the appropriate industry representatives your latest narrative version of your industries' processes generating wastewater AND wastewater flow line schematics of their various processes though pretreatment to the final sampling point.

40 CFR 403.12(b)(3) requires: "Description of operations. The User shall submit a brief description of the nature, average rate of production... This description should include a schematic process diagram [emphasis added] which indicates points of Discharge to the POTW from the regulated processes."

The City should require their IU representatives to submit updated, more detailed, accurate (in relation to actual plant-floor layout) schematics, including a comprehensive, step-by-step narrative description of their processes generating wastewater. Type of chemical baths/rinses could be identified. Most industries have the capability to create computer automated drawings to depict these "schematics" without much effort.

Work piece flow, P2 practices (counter current flows, air knives/curtains, air-agitated tanks, in-situ filtration, water or energy conservation, etc.) and chemical storage areas should be noted.

Dump or batch frequencies and volumes should also be noted from the various tanks and vessels at the industries. The City must have this information on file to conduct/require representative sampling and determine types (grabs vs. composite).

Any updates should be dated as to when they were last revised and attached to the City's industry fact sheets. The City should have the same process information and schematics in its files as their industries. If these documents had been in the City's IU files reviewed their might not have been as many questions by this auditor during the site visits.

Response:

Springdale Water Utilities maintains a very close relationship with industrial users. We are very confident that sampling being performed is representative of all regulated processes. Springdale Water Utilities will request more detailed schematics as it is determined that more information would be beneficial for review(s) of the industries operations.

2) It is strongly recommended to continue to work on the City's IU fact sheets to include more pertinent information. See table 11-1 of EPA's "Industrial User Permitting Guidance Manual" (9/12) at http://cfpub.epa.gov/npdes/dox.cfm?view=allprog&program_id=3&sort=date_published for an example of the components for a fairly simple fact sheet.

Response:

Springdale Water Utilities will continue to develop and improve fact sheets for its industrial users to include relevant and useful information. Future changes to IU fact sheets will be based on the example fact sheet you have provided.

3) It is strongly recommended to compile a master list of all (the more recent) IU surveys conducted summarizing the findings in abbreviated version. See Chapter 2, Tables 2.1 through 2.3 of EPA's "Guidance Manual for POTW Pretreatment Program Development" (10/1/83) for examples of what a master list may look like. It was discovered that your office did have a copy of this guidance. A summary or digested version of your IU surveys would best serve you in remaining knowledgeable about what industries/businesses may have toxic chemical on their premises that could accidentally be batch discharged to your sewer system vs. those that only have domestic wastewater that do not need to be further scrutinized by an individual site visit.

Response:

Springdale Water Utilities will continue to improve the process it uses to survey Industrial Users. Included in the process of updating our survey process will be determining the most efficient way to list and summarize the IU Survey.

4) It is strongly recommended to continue the City's public outreach program regarding proper disposal practice of oil and grease. While it appears the city has implemented and enforced good best management practices at its commercial food related establishments sanitary sewer overflows from residential areas remain to be alleviated. As discussed during the Audit this outreach process may have to be continual process to be sustainable.

Response:

Springdale Water Utilities will continue to reach out to both its commercial and residential customers concerning the proper disposal of oil and grease. As an example, Springdale Water Utilities currently includes guidance for the proper disposal of Oil and Grease on its website.

5) Include the permit revocation clause per Springdale's Ordinance #2842, Section IV, Part F. in the IUs' permits.

Response:

Springdale Water Utilities currently references Ordinance #2842 within the Industrial User permits. The inclusion of specific language concerning permit revocation into its Industrial User permits will be considered for future permits.

6) Include more specific narrative descriptions regarding chemical handling procedures on IU inspection forms. Do the facilities move toxic/hazardous chemicals from the loading docks to the main chemical storage area then to various stations via forklifts, barrel dollies, hand-carried buckets, hard line piping, etc? The inspection report could explain any concerns regarding

“handling, transfer of chemicals is near floor drains or outside storm drains, proximity of incompatible chemicals, overhead hard line piping of chemicals to different stations appeared to be rusting in different areas, etc.”; or explain why the IU’s handling procedures are not of concern: “no floor drains in the entire building, IU has an adequate slug/spill prevention plan, and accidental spills would be caught by floor drains which lead to pretreatment, any chemical spills outside could not possibly reach a city sewer or storm drain, etc.”

The IU inspection from should include a more specific narrative description of the industry’s process/pretreatment tanks and appurtenances. Do the tanks, valves and flow-lines appear to be in good condition and working order? Are there signs of rusting or leakages that should be pointed out to the industry representative? Is the overall indoor and outdoor housekeeping of the facility appear neat and orderly or is it cluttered posing possible hazards to workers or jeopardizes storm water quality?

Response:

Springdale Water Utilities is currently reviewing its IU inspection forms. Sections for chemical handling procedures and general housekeeping will be added as needed. Sections for narrative description of the industry’s process/pretreatment tanks and appurtenances are included in our current IU inspection form. Future inspections will include more specific narrative descriptions.

7) It is recommended to send the City’s industries their reporting requirements in a special notice type correspondence document. The industry reporting requirements in 40 CFR 403.12 are often overlooked by both the industries and the Cities. One of the most prevalent reporting requirements overlooked by the industries is the notification requirement in 40 CFR 403.12(j), “Notification of changed Discharge. All industrial users shall promptly notify the Control Authority...in advance of any substantial change in the volume or character of pollutants in their Discharge...” While “substantial change” is subjective, any change in the industry’s operations or processes may have a qualitative or quantitative effect on its discharge to the City.

Response:

Industrial User permits issued by Springdale Water Utilities include all reporting requirements. In addition to the permits, reporting requirements are reviewed and discussed during inspection visits. Additional correspondence concerning reporting requirements will be considered.

8) It is recommended to send out the hazardous waste notification in 40 CFR 403.12(p) to the new hazardous waste generators with Springdale addresses. ADEQ’s newest list was provided to the City’s Pretreatment personnel during the Audit. While the Pretreatment Regulations state this is a one-time industry notification requirement it is realized small quantity and conditionally exempt generators tend open for business or “close shop” in one city only to move to another. That occurs quite frequently throughout the State.

Response:

Using ADEQ's most current list of hazardous waste generators, Springdale Water Utilities developed a mailing list and sent out hazardous waste notifications. See attachment #01 for an example notification letter. Also, Springdale Water Utilities will schedule regular analysis to identify hazardous waste generators who have not been notified.

9) For the zero discharging categorical industries the City has permitted it is recommended to include which effluent guideline they would have been subject to if they were a discharging facility. In this office's opinion and for example it would make it most clear if their permits' cover page stated something to the effect, "American Tubing is hereby permitted as a non-discharging Industrial User with processes covered under the Metal finishing category in 40 CFR 433. As such, it may not discharge any regulated wastewater associated with any metal finishing processes into Springdale's Water Utilities' sewer system..."

Response:

Springdale Water Utilities outlines the effluent guidelines zero dischargers would be subject to in supporting documents and inspection forms. Future permit renewals for zero dischargers will be examined for the need to include specific language concerning any effluent guidelines that would result if the IU was not a zero discharge facility.

10) It is recommended to require periodic pollution prevention (P2) or best management practices (BMPs) progress reports from the City's industries. It is realized most have already incorporated pollution prevention into their day-to-day activities to decrease their expenses, but chronicled P2 activities could be of benefit to others on the National Pollution Prevention Resource Exchange at <http://p2rx.org/>. At least three of the industries visited were practicing P2 through water or energy conservation while one was directing their activities to the "5S" system to reduce waste and optimize productivity through maintaining an orderly workplace and using visual cues to achieve more consistent operational results which is part and parcel of EPA's Lean Manufacturing project. More information regarding this initiative can be gained at <http://www.epa.gov/lean/environment/methods/fives.htm>. Success stories from the City's P2 activities, integrated into its Pretreatment Program, will positively reflect the City is going beyond its regulatory minimum.

Response:

Springdale Water Utilities encourages its Industrial Users to practice and share pollution prevention and/or best management practices within their operations. Springdale Water Utilities will continue to document P2 and BMP activities within our IU inspection reports.

D) REQUIRED PROGRAM MODIFICATIONS TO THE APPROVED PRETREATMENT PROGRAM NECESSARY TO BRING THE PROGRAM INTO COMPLIANCE WITH THE LETTER OR INTENT OF THE CURRENT REGULATORY REQUIREMENTS

The City's Pretreatment Program is not current with the Streamlining Revisions to 40 CFR 403. Program modifications must be submitted regardless of the City's expired permit which is administratively continued.

The below Program modifications are but several of the required modifications necessary to be current with what is required in the revised Federal Pretreatment Regulations. One is this office's recommendation regarding adopting the legal authority to implement best management practices to any business sector which is not specifically required in Streamlining revisions to 40 CFR 403:

- a. Included Criminal Penalties in the City's Pretreatment Ordinance per EPA's Model Ordinance and 40 CFR 403.8(f)(1)(iii)(B)(5);
- b. Include best management violations (narrative standards) and their appropriate enforcement options in the modified Program's Enforcement Response Guide per 40 CFR 403.8(f)(2)(viii)(C);
- c. Recommend including the legal authority to require Best management Practices (BMPs) by any industry/business sector as deemed appropriate for purposes of reducing toxic and incompatible pollutants from being discharged to the City's sewage collection system. Machine shops, auto repair and painting shops, dentists, hospitals and other sectors already have BMP templates available.
- d. Consider re-evaluation the City's maximum allowable headworks and maximum allowable industrial loadings (MAHLs and MAILs) to determine whether local limits are necessary or demonstrate they are not.

The last time this evaluation was conducted site specific data used was from 8/96 through 7/89. With the recent use of more sensitive analytical methodologies; therefore, more reliable data, the old MAHLs and MAILs will more than likely be changed with some parameters possibly being significantly changed.

 Response:

Due to ongoing studies concerning the levels of Total Phosphorous in the Illinois River Watershed, Springdale Water Utilities is operating under an NPDES permit which does not include requirements from EPA's "Streamlining" Rule. Considering the uncertain timeline for

our permit renewal, Springdale Water Utilities will submit the required program modifications for review and approval within twelve (12) months of the date of this letter. Additionally, Springdale Water Utilities will re-evaluate its MAHLs and MAILs within twelve (12) months of the date of this letter.

ATTACHMENTS

(sample letter to listed waste generator)

Possible haz waste generator
1234 Main Street
Springdale, AR 72762

**RE: Hazardous Waste Notification Requirement
ADEQ Hazardous Waste Generators Facility Summary**

April 2, 2013

Dear Sir or Madame:

Your company has been identified as one which produces hazardous waste from its listing on the Arkansas Dept. of Environmental Quality's Hazardous Waste Generators Facility Summary. As such, you are hereby being notified of a federal requirement that may or may not apply to you.

A copy of 40 CFR Part 403.12 (p) is enclosed for your review. If you do not discharge hazardous waste into the sanitary sewer system, this notification requirement does not apply to you. If any or all of the hazardous waste your company generates is discharged into the sanitary sewer, and is subsequently treated by Springdale's wastewater treatment facility, the notification requirement may apply, depending on the type and amount of material that is discharged in this matter.

If, after review, you believe that this notification requirement applies to your company, the POTW (publicly owned treatment works) portion of the notification may be submitted to me at the address listed above.

Please feel free to call me at (479)756-3659 if you have any questions concerning this issue.

Sincerely,

Brad Stewart
Pretreatment Manager

BJS/bjs
Attachment
CC: file

40 CFR 403.12 (p) - Hazardous Waste Notification Requirement:

p)(1) The Industrial User shall notify the POTW, the EPA Regional Waste Management Division Director, and State hazardous waste authorities in writing of any discharge into the POTW of a substance, which, if otherwise disposed of, would be a hazardous waste under 40 CFR part 261. Such notification must include the name of the hazardous waste as set forth in 40 CFR part 261, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the Industrial User discharges more than 100 kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent such information is known and readily available to the Industrial User: An identification of the hazardous constituents contained in the wastes, an estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following twelve months. All notifications must take place within 180 days of the effective date of this rule. Industrial users who commence discharging after the effective date of this rule shall provide the notification no later than 180 days after the discharge of the listed or characteristic hazardous waste. Any notification under this paragraph need be submitted only once for each hazardous waste discharged. However, notifications of changed discharges must be submitted under 40 CFR 403.12 (j). The notification requirement in this section does not apply to pollutants already reported under the self-monitoring requirements of 40 CFR 403.12 (b), (d), and (e).

(2) Dischargers are exempt from the requirements of paragraph (p)(1) of this section during a calendar month in which they discharge no more than fifteen kilograms of hazardous wastes, unless the wastes are acute hazardous wastes as specified in 40 CFR 261.30(d) and 261.33(e). Discharge of more than fifteen kilograms of non-acute hazardous wastes in a calendar month, or of any quantity of acute hazardous wastes as specified in 40 CFR 261.30(d) and 261.33(e), requires a one-time notification.

Subsequent months during which the Industrial User discharges more than such quantities of any hazardous waste do not require additional notification.

(3) In the case of any new regulations under section 3001 of RCRA identifying additional characteristics of hazardous waste or listing any additional substance as a hazardous waste, the Industrial User must notify the POTW, the EPA Regional Waste Management Waste Division Director, and State hazardous waste authorities of the discharge of such substance within 90 days of the effective date of such regulations.

(4) In the case of any notification made under paragraph (p) of this section, the Industrial User shall certify that it has a program in place to reduce the volume and toxicity of hazardous wastes generated to the degree it has determined to be economically practical.