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March 31, 2009

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Director  
Arkansas Department of Environmental Quality  
NPDES Enforcement Section  
5301 Northshore Dr.  
Little Rock, AR. 72118

RE: 2008 Annual Pretreatment Program Report  
NPDES Permit AR0021806 – Adams Field WWTP  
NPDES Permit AR0040177 – Fourche Creek WWTP

Gentlemen:

The purpose of this letter is to show compliance with the requirements found in 40 CFR 403.12(i) and the referenced NPDES permits issued to Little Rock Wastewater (LRW). During 2008, LRW continued activities pursuant to maintaining compliance with the General Pretreatment Regulations (40 CFR 403). Enclosed with this letter is the 2008 Annual Pretreatment Program Report.

Contained within Section III of the enclosed report is a summary of the number of industrial users that have been in significant violation or significant noncompliance since 1986. During 2008, one industry was in significant noncompliance with applicable pretreatment requirements according to criteria published in 40 CFR 403 and EPA, Region VI, policy on quarterly reviews of industrial user compliance.

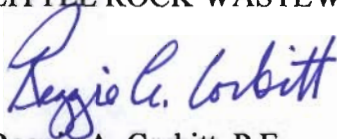
Also included in this report is an update on LRW's industrial user list and LRW's Pretreatment Program Status Report outlining compliance, sampling, and inspection information. The following abbreviations are used in the Pretreatment Program Status Report: C = compliance, NC = noncompliance, SNC = significant noncompliance, RD = received, and NR = not required. LRW is also enclosing information on sampling results for influent and effluent wastewater and biosolids as required by our NPDES permits.

NPDES PERMIT FILE  
NPDES # AR0021806  
AFIN # 00-00409  
Permit PN  
Correspondence  
Technical Backup  
4/3/09 hit Date Scanned

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If you have any questions concerning any of the information submitted, or require additional information, do not hesitate to contact Stanley Suel at 688-1486, or me at 376-2903.

Sincerely,  
LITTLE ROCK WASTEWATER



Reggie A. Corbitt, P.E.  
Chief Executive Officer

cc: Rudy Molina, NPDES Permits and TMDLs Branch 6WQ-PP, US EPA Region 6  
Stanley Suel, Director of Environmental Assessment  
Stanley Miller, Manager of Operations  
Jeff Davis, Pretreatment Supervisor  
Susan Samples Ledbetter, Laboratory Supervisor  
Walter Collins, Fourche Creek Superintendent  
Perry Thornton, Adams Field Superintendent



**LITTLE ROCK  
WASTEWATER**

**2008 ANNUAL  
PRETREATMENT  
PROGRAM REPORT**

**Submitted March 31, 2009**

**LITTLE ROCK WASTEWATER  
2008 ANNUAL PRETREATMENT PROGRAM REPORT**

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## LITTLE ROCK WASTEWATER ENVIRONMENTAL ASSESSMENT DIVISION

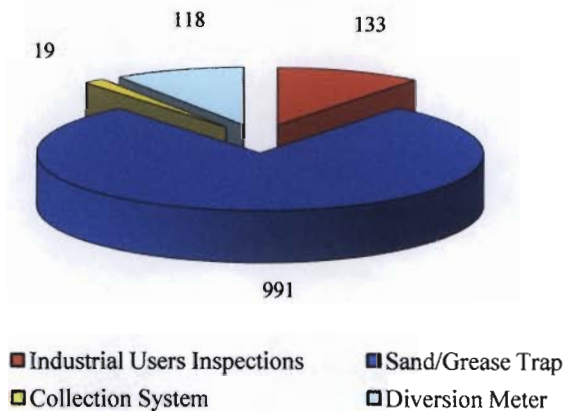
### Industrial Pretreatment Program 2008 Accomplishments

Environmental Assessment Division (EAD) carries out the requirements of 40 Code of Federal Regulations Part 403 (40 CFR 403) General Pretreatment Regulations. The 403 objectives are to prevent the introduction of pollutants that interfere with POTW operations and sludge disposal, and prevent introduction of pollutants that may pass through or be incompatible with the POTW system.

In 2008, fifty-five (55) industries, with thirty-five (35) being Significant Industrial User (SIU) status (15 of the 35 were categorical, subject to federal pretreatment standards), held active Industrial Wastewater Discharge Permits. Permits are issued by EAD for controlling industrial wastewater discharges by sampling, inspecting, and tracking compliance with applicable Federal, State, and Local regulations. Permit control documents were issued to twenty (20) non-SIU facilities for the purpose of controlling and monitoring discharge requirements or short term authorizations.

A total of 1,261 inspections and investigations were conducted at industrial and commercial facilities during 2008. For industry subject to permit requirements, 133 inspections were conducted to evaluate compliance with the EAD Industrial Pretreatment Program. EAD conducted 991 interceptor/trap program inspections at commercial facilities and 19 collection system investigations as measures to control discharge of prohibited solids and O&G. Sand/Grease Trap Inspections identified 166 items requiring corrective action. EAD also oversees diversion meters used for non-sewered flow where users are allowed credit on sewer charges resulting in 118 inspections.

**Environmental Assessment Division  
No. of Inspections Performed in 2008**



EAD was successful with addressing industry non-compliance and requiring necessary corrective measures to obtain a return to compliance. During 2008, Sixteen (16) Violation Reports were completed to track industry violations for a return to compliance. One industry is listed as Significant Non-Compliance in 2008, however has discontinued the process wastewater discharge.

Whole effluent toxicity tests were conducted for the final effluents at both the Adams Field Wastewater Treatment Plant (AFWTP) and Fourche Creek Wastewater Treatment Plant (FCWTP). No lethal or sub-lethal toxic effects were observed for either of the AFWTP's or FCWTP's final effluents at any of the required NPDES effluent test dilutions.

Extra strength surcharges for BOD/COD, TSS, O&G, and pH billed during the year of 2008 totaled approximately \$674,650. The City of Little Rock Sanitary Sewer Committee's adoption of the Consolidated Fee Schedule allowed EAD to administer Industrial Pretreatment Program fees totaling \$157,294 (permits/inspection fees, special discharge fees, Trap Control Program). Additionally, Landfill Leachate billing was \$146,214 and hauled domestic liquid waste revenues totaled \$5,930 for 2008 (Funding/Expenditure Report enclosed).

During 2008, Little Rock Wastewater implemented and accomplished several pretreatment program activities as listed below.

#### **Program Development**

- The Revised Pretreatment Program Manual was approved with an effective date of April 1, 2008. A copy of the Approved Pretreatment Program Manual was provided to ADEQ. The Program Manual was revised in accordance to the 403 Streamlining Rule. Notification of Pretreatment Ordinance and 40CFR403 Streamlining revisions was mailed to all permitted industry, completing the notification required by the 2007 EPA Audit.
- Raftelis Financial Consultants reviewed fees charged by LRW of its customers. EAD conducted research on the internet and collected samples in the field to provide data to the Raftelis group for better understanding of EAD fees listed in the Consolidated Fee Schedule updated yearly by the Sanitary Sewer Committee.
- The City of Little Rock passed an ordinance prohibiting cooling tower overflows and boiler bleeds from discharging to the storm drainage system of the city. LRW followed up with a requirement to re-route all cooling tower overflows and boiler bleeds to the sanitary sewer system of all customers currently on the Diversion Credit Program. Research was conducted on chemical additives to cooling water systems, including Molybdates, which is a primary source of Molybdenum in biosolids. Past Pretreatment Yearly Reports shows Molybdenum concentrations in the biosolids below Land Application Ceiling Concentrations for Molybdenum. Sampling was conducted at random locations throughout the city to determine Molybdenum and Chromium levels in cooling towers. Data showed only one (1) instance of

molybdenum concentration above the detection limit. All others sampled were below the detection limit.

- Pretreatment Staff developed procedures to initiate requirements for installation of grease interceptors for priority list facilities. The following items were developed: listing of financial aid available to small business, updating and review of the Grease Interceptor Installation template letters, field inspection sizing form and fixture schematic, and a Plan of Action Procedures.
- The 2008 Industrial User Survey was conducted by staff. Possible candidates were screened from the following sources: a list of users in the city with greater than 730 ccfs of water usage for 2007, Little Rock Regional Business Directory, and the Hazardous Waste Generators list from the ADEQ website in the Little Rock Area. Fifty one (51) letters were mailed out and eleven (11) facility inspections were conducted.
- LRW EAD decided on a new direction for the 2008 Pollution Prevention Program; titled The 2008 Annual Pollution Prevention Ceremony, Partnering with our Student's and Industry: Shaping the Future for Pollution Prevention, LRW invited three (3) essay winners from LR Central High and three (3) industrial users to discuss pollution prevention.
- LRW EAD reviewed current Multi-Jurisdictional area contracts to verify compliance with LRW Ordinance guidelines and to determine what facilities are in those areas for IU Survey requirements and FOG contributors. Review of the maps denoting area borders, and evaluation of the CTS/FOG database for facilities was conducted by staff.
- LRW EAD Staff attended training on 2007 Microsoft Office products to include Word, Excel, Outlook, PowerPoint and Access.
- LRW EAD staff generated maps for a proposed Endocrine Disruptor study with the USGS. Two maps were created showing major drainage basins and the receiving WWTP, and hospitals and the receiving WWTP. Included were schematics of the AF and FC Treatment Plants.
- LRW EAD hosted a seminar conducted by Mercury One on mercury sampling and analysis procedures.
- EAD received an email from Allen Gilliam, ADEQ, stated that the pretreatment program 40CFR 403.12(p) hazardous waste notification of reporting requirements to medical type clinics and small businesses will no longer be a recommendation but a requirement. IU surveys citing 403.12(p) was mailed to dental clinics in 2007.
- *EPA Region VI Pretreatment Conference* in Oklahoma City, OK., was attended by Jeff Davis, Tony Roll and Cornelius Jones. Jeff Davis was Secretary/Treasurer Officer for the Association Board in 2008. Region VI includes Texas, Arkansas, Louisiana, New Mexico, and Oklahoma.
- Biosolids disposed in 2008 were Class A Exceptional Quality. The Pretreatment Program is preventing pollutant level impact on biosolids.(see Section VIII)
- Staff met to reorganize the FOG Zip code inspections and Diversion Meter inspections for 2009 assignments. Inspector self auditing of 2008 Industry Files and preparations for 2009 IU file assignments was conducted.

**Industrial Relations**

- In 2008, EAD mailed out Excellence Certificates to 35 permitted industrial users for perfect compliance during the year 2007.
- LRW met with Representative of Sage V Foods, to discuss the new industry's contribution of wastewater to FCTP. The IU will process rice and have an estimated average BOD/TSS loading of 2,500 lbs/day each. Construction plans have been routed for review and approved with conditions. The IU plans to be in operation in 2009. Industrial Wastewater Discharge permit is pending.
- Special permitting in 2008:
  - i. New Permit was issued to Welspun Tubular, regulated by 40CFR433.
  - ii. New Permit was issued to and PPG Industries, zero discharge paint formulation.
  - iii. Baptist Health Medical Center – Little Rock South Campus. Permit was revised.
  - iv. Ozark Ridge Landfill (Danville Arkansas) permit issued for hauled leachate.
  - v. New permit was issued to George Fischer Sloane.
  - vi. New discharge permit was issued to Little Rock Powder Coating – zero discharge 40CFR433.
  - vii. New Permit was issued to Arkansas Dust Control.
  - viii. Mobile Washer Permit was issued to Jones and Sons for HLW discharge to the Adams Field Wastewater Treatment Plant.
  - ix. Essick Air Products permit closed.
    - x. Arkansas Portable Toilets Restricted Short Term Authorization was issued to cover HLW to AFTP from Riverfest 2008.
    - xi. Permit application received from Sage V Foods new rice plant under development.

**Industrial Compliance**

- For 2008, Essick Air Products was in Significant Noncompliance (SNC) as defined by 40CFR403. The industrial user has discontinued the regulated discharge.
- EAD issued a Notice of Violation (NOV) to Welspun Tubular, LLC. Welspun failed to provide a 90 day compliance report by due date for all regulated parameters and process flow data. Mr. Janicki, VP Operations, was handed the NOV on 10/6/08, at a meeting to discuss options to correct the violations. ECCI Consultant was hired by Welspun to assure that the 90 Day Compliance Report requirements are submit to prevent Significant Non Compliance. Welspun submitted written response to NOV. 90 Day Report was received and Welspun has met the requirements of the NOV.
- EAD issued an NOV to Porocel Corporation for pH violation. Porocel upgraded valves in the scrubber system to prevent pH violations.
- Compliance Enforcement Action requiring corrective measures and return to compliance monitoring during 2008 was conducted for all pretreatment standard and local limit violations listed in the table below:

**Reported Pretreatment Violations**

| IU                       | Sample Date | Monitoring Type |      | Test Parameter | Reported Value | Violation of Max. Limit |         |
|--------------------------|-------------|-----------------|------|----------------|----------------|-------------------------|---------|
|                          |             | LRW             | Self |                |                | Daily                   | Monthly |
| Coca-Cola Bottling of LR | 04/09/08    | X               |      | pH             | 4.65 S.U.      | ≥5.0-≤12.0              |         |
| Coca-Cola Bottling of LR | 07/15/08    | X               |      | pH             | 4.85 S.U.      | ≥5.0-≤12.0              |         |



| IU                      | Sample Date | Monitoring Type |      | Test Parameter      | Reported Value | Violation of Max. Limit |            |
|-------------------------|-------------|-----------------|------|---------------------|----------------|-------------------------|------------|
|                         |             | LRW             | Self |                     |                | Daily                   | Monthly    |
| Coleman Dairy           | 02/19/08    | X               |      | pH                  | 12.32 S.U.     | ≥5.0-≤12.0              |            |
| Coleman Dairy           | 08/05/08    | X               |      | pH                  | 12.19 S.U.     | ≥5.0-≤12.0              |            |
| Coleman Dairy           | 10/14/08    | X               |      | pH                  | 12.28 S.U.     | ≥5.0-≤12.0              |            |
| Essick Air Products     | 01/28/08    |                 | X    | Zinc <sub>(t)</sub> | 5.000 mg/L     | 2.61 mg/L*              |            |
| Essick Air Products     | 01/31/08    | X               |      | Zinc <sub>(t)</sub> | 2.743 mg/L     |                         | 1.48 mg/L* |
| Essick Air Products     | 02/11/08    | X               |      | Zinc <sub>(t)</sub> | 10.230 mg/L    | 2.61 mg/L*              |            |
| Essick Air Products     | 02/20/08    | X               |      | Zinc <sub>(t)</sub> | 2.996 mg/L     | 2.61 mg/L               |            |
| Essick Air Products     | 02/25/08    |                 | X    | Zinc <sub>(t)</sub> | 6.400 mg/L     | 2.61 mg/L*              |            |
| Essick Air Products     | 02/29/08    | X               |      | Zinc <sub>(t)</sub> | 3.676 mg/L     |                         | 1.48 mg/L* |
| Good Old Days Food      | 10/22/08    | X               |      | pH                  | 4.56 S.U.      | ≥5.0-≤12.0              |            |
| Interstate Highway Sign | 06/05/08    | X               |      | pH                  | 3.48 S.U.      | ≥5.0-≤12.0              |            |
| Interstate Highway Sign | 07/01/08    | X               |      | pH                  | 1.88 S.U.      | ≥5.0-≤12.0              |            |
| Odom's Sausage          | 01/24/08    | X               |      | pH                  | 4.00 S.U.      | ≥5.0-≤12.0              |            |
| Porocel Corporation     | 10/07/08    | X               |      | pH                  | 12.88 S.U.     | ≥5.0-≤12.0              |            |

\*Daily Average Technical Review Criteria (times 1.2) was also violated.

\*Monthly Average Technical Review Criteria (times 1.2) was also violated.

1. **Coca-Cola Bottling of Little Rock** had pH violations on April 9 and July 15, 2008. Returns to Compliance samples were achieved. Corrective actions were taken at the can crusher.
2. **Coleman Dairy** had pH violations on February 19, August 5, and October 14, 2008. Returns to Compliance samples were achieved. Violations occurred due to inadequate neutralization and due to a timer on a chemical pump malfunctioning, causing additional chemical to be dispensed. The timer and pump were replaced.
3. **Essick Air Products** suffered a series of violations for Zinc<sub>(t)</sub> in the months of January and February, 2008. It was determined that a valve was discharging rinse water from the coating operation into the sanitary sewer. Sampling by IU on 2/27/08 showed a return to compliance. NOV letter was mailed and Essick has provided a response letter listing corrective actions. Essick Air Products has since removed its coating line and is no longer a Federal/Categorical Industrial User. The permit was closed in October 2008.
4. **Good Old Days Foods** had a pH violation in October, 2008. The cause of the violation was the facility's maintenance personnel had not performed the assigned daily pH adjustment. Returns to Compliance samples were achieved.
5. **Interstate Highway Sign** had pH violations in June and July, 2008. Returns to Compliance samples were achieved. A demand inspection was conducted with Ann Butler, Quality Assurance Manager. The pretreatment operator was slowly discharging water from the DeOx rinse tank into the overflow. Employee reprimanded for not following procedures.

6. **Odom's Tennessee Pride Sausage** had a pH violation in January, 2008. IU responded that a caustic pump failed and has since been corrected. Returns to compliance samples were achieved.
7. A Notice of Violation (NOV) was mailed to **Porocel Corporation** for a pH violation in October, 2008. A solenoid valve had malfunctioned, discharging chemical to the holding tanks raising the pH. Porocel Corporation submitted a corrective action plan prior to treating and discharging additional wastewater to AFTP. Returns to Compliance samples were achieved.

### **Inspection, Investigations, and IU Surveys**

- Permitted facility investigations requiring corrective actions for compliance:
  1. Coca-Cola Bottling of Little Rock notified LRW EAD after hours on May 2, 2008 to inform of an inadvertent discharge of 496 gallons of Diet Dr Pepper to the sanitary sewer. Site inspection was conducted by Pretreatment Supervisor and FCTP Superintendent. The cause of the spill was due to an operator, during a power failure, turning the pump from Auto to Hand (manual). Operator attention was diverted and when power resumed, the valve in manual position allowed the discharge to occur. Corrective action has been received and approved.
  2. Information was gathered for legal recourse and penalties regarding users not paying bills issued by LRW. Russ Melton, Owner, Diamond Bear Brewing (DBB), appeared before the LR Sanitary Sewer Committee to plead his case that DBB should not be considered an Industrial User under LRW Ordinance and summarily not have to pay surcharge. Surcharge trend charts and data tables were updated and provided for the LR Sanitary Sewer Committee. The committee upheld LRW requirements and ordered DBB to pay past due amounts or face further legal recourse.
  3. Mountain Pure Holdings, LLC (MP) has stopped paying its sewer bill. MP believes it is being billed unfairly and requests back credit for parts of their sewer bill dating back to 2002. LRW bills MP surcharge based on consumption. A compliance order was issued in 2001 for the installation of a LRW approved flow measurement for sewer billing. MP had a meter installed but it was not LRW approved due to meter calibration and an inability to zero the flow. LRW does not agree with the measures provided by MP for credit.
- Pretreatment staff surveyed industrial users during 2008 with some noted below:
  1. LRW EAD surveyed Deceuninck North America. Plastic molding cooling water is circulated to a holding pit and filtered for reuse. Filtered backwash passes through carbon canisters for cleansing prior to reuse. All drains are plumbed to the closed loop system. Minimal press splash water or leaks discharge to drains connected to a solids interceptor for discharge to sanitary sewer. The mold sonic cleaner water (<10 gallons/month) analytical data shows high metal concentrations. This wastewater is hauled off site (no sanitary sewer discharge). Facility is very "green oriented". Deceuninck is not permitted by LRW.
  2. LRW EAD surveyed LM Glasfiber. There are currently two (2) locations: 7600 Scott Hamilton Drive and 7901 Lindsey Road. Four (4) MSDS regarding Methyl Ethyl Ketone Peroxide (MEKP) used in the manufacture process of windmill

- blades were reviewed. EAD conducted an inspection of the facilities. Cooling tower overflow and air compressor condensate pass through an interceptor prior to discharging to the sanitary sewer. L M Glasfiber is not permitted by LRW.
3. LRW EAD was advised by Central Arkansas Water (CAW) of a new account being issued to a facility once permitted by LRW. EAD investigated and findings indicated that Printing Paper Inc of 11605 Otter Creek was moving into the site to have more warehouse space. Printing Paper Inc. is a distribution center and would only discharge domestic waste.
  4. LRW surveyed Lombardi LLC, a liqueur bottling, spotlighted in the Arkansas Democrat Gazette, January 2008, EAD inspected the facility located at 3520 W 69<sup>th</sup> Street. Lombardi LLC makes a lemon liqueur that is distributed to local Italian restaurants as a cooking additive and after dinner drink. The small bottling process has no discharge to the sanitary sewer.
  5. LRW EAD surveyed P.F.G. Performance Food Group (Quality Foods). The facility has 2 grease interceptors and one sand/oil interceptor installed at the vehicle maintenance building. Inspection revealed condensate lines are plumbed to the grease interceptor in the dock area. A requirement letter to plumb the condensate lines to storm water was sent. Work was completed as required along with cooling tower overflows re-routed to the sanitary sewer. The facility discharge is below the significant user criteria.
  6. LRW EAD surveyed Southern Photo Center. This facility was surveyed for a potential to discharge Silver waste. The inspection revealed a Silver Recovery system was in place to eliminate this pollution for entering the sanitary sewer.
  7. LRW EAD surveyed G.C. Evans Sales and Manufacturing Company. This facility manufactures Stainless Steel equipment for the Food and beverage industries. The result of the inspection revealed no processes with the potential to discharge pollutants into the sanitary sewer.
  8. LRW EAD surveyed Professional Forms & Supplies. This facility prints forms, business cards, and letterheads. This facility recovers the Silver Master chemicals used in the processor and stores it in a 5 Gallon can until picked up by a recycler.
  9. LRW EAD surveyed National Custom Hollow Metal Doors. This facility manufactures custom metal doors. Their processes include cutting, forming, welding and painting. This facility has an Air permit through ADEQ due to their painting process. Upon inspecting this industry, no prohibited pollutants were found to discharge to the sanitary sewer.
  10. LRW EAD surveyed Allegra Print and Imaging. This facility is a printing operation that handles a lot of the printing jobs for the local market. The facility uses offset printing as well as digital. The facility uses chemicals such as Simple Green, Mega Plate Activator and fountain concentrations. Rags used in cleanup are sent to Arkansas Dust Control & Linen Services for cleaning.
  11. LRW EAD surveyed Lexicon Steel. This facility was inspected due to their surface preparation and coating process listed on the survey form. The inspection resulted in no potential for concern due to no floor drains on the shop floor and the painting process is merely an open air process. This facility does have a burn table but it is self contained and maintained by shoveling out the metal sludge and replenishing with water and treating with a type of fungicide.

12. LRW EAD surveyed Resource Recovery Inc. The facility is an automotive shop that sells biodiesel. A floor drain was noted in the work area and a Letter of Requirement to seal the drain was sent and completed to prevent prohibitive discharge of fuel, oil, and shop solvents.
  13. EAD inspected United Engine 9410 Interstate 30 to determine compliance on the Oil Water separators. Blue prints on the extractors received from the Oklahoma office. EAD required an extension pipe in the last chamber of the transmission shop separator and required a seal to an unknown inlet/outlet in the sump pit.
  14. Carco Truck Rental- Requirement to plug or seal the catch basin in the wash bay. Diesel fuel pumps located near wash bay required spill preventive measures.
  15. Meuwly Machine Works Inc. 1901 E. 15<sup>th</sup> St. - a site inspection was conducted to determine whether or not the industry has a process that would potentially discharge pollutants to the sanitary sewer. The inspection concludes that this industry has not potential to discharge pollutants.
- **Collection System Investigations**
    1. LRW Maintenance crews noted excessive grease in manhole 11I-161 and called EAD to start an investigation prior to cleaning the line. LRW Maintenance also advised this is a recurring problem with this line. The line segment begins at Gibbs Magnet Elementary School and connects to a second segment 11I073. No other contributors could be located at the time of the inspection.
    2. EAD conducted an Ammonia Spill investigation upon notification from FCTP Ops of pH fluctuations at FCTP influent. EAD inspection at the Port Pump Station revealed a strong ammonia odor. EAD inspectors tracked the odors upstream to Ben E. Keith Warehouse. Investigation at the facility revealed a construction crew working on the chiller was discharging ammonia-contaminated water to the collection system. EAD required the facility to cease discharge.
    3. LRW Maintenance Department reported finding grease in manhole 12J-153, located on the Governor's Mansion property. EAD investigated to determine if the facility had an extraction device. The Mansion's main kitchen does have a 2000 gallon grease interceptor. Discharge from the interceptor appears to flow to a main not connected to 12J-153. Both chambers of the interceptor looked good and are on a quarterly scheduled cleaning. Follow up revealed the grease sediment is due to low slope lines and upstream residential contributions.
    4. LRW Maintenance crew replacing a manhole reported ink in the sewer line. Pelton Signs / MiniLabels was noted upstream of the manhole. EAD determined the company uses only water based inks and only does a small amount of cleanup in the afternoons when the printing runs are completed. MSDS' were received for review. CAW data showed an average daily flow of 125 GPD.
    5. Comet Cleaners 8824 Geyer Springs investigation was conducted. No high LEL or gases were detected by gas meter. There appears to be an abandoned trap.

#### **LRW Trap/Interceptor Program**

LRW's Trap/Interceptor Program works to reduce the discharge of fats, oils, grease, and solids to the sanitary sewer. The types of facilities inspected perform food preparation

and automotive maintenance. A summary of the activities performed for this program is included at the end of this section.

#### SSO Investigations

- Manhole 4J-025 #73 Belmont Dr. – EAD conducted an investigation in the neighborhood to determine cause of the overflow. The line segment upstream is residential only with no commercial facilities found.
- 2016 S. Battery Manhole (Private Location) - Maintenance reported that the sewer backed up into the basement of the above address early Monday morning. EAD conducted an inspection of the area upstream of the SSO and determined the area to be residential only.
- 2721 West 13<sup>th</sup> St. manhole 9I-017 - Residential only.
- 521 Midland St. manhole 8F-065 - The area upstream of the address was residential only and no commercial facilities were found.
- 10610 Diamond Dr. (private location) - The SSO occurred at a private location and crews were called out during after hours. The area upstream of the SSO was residential only. There was no commercial facilities found contributing grease to the sanitary sewer
- 4 Wildwood RD. manhole 5E-071- Inspection of Forrest Park Elementary School grease extraction device revealed a converted lint trap as a grease extraction device.
- EAD conducted an overflow investigation in the neighborhood of 7218 Valley Dr. The overflow occurred on August 13, 2008 at LRW sewer manhole 3S-050. After investigating the location, this is a Residential area only no commercial facilities to contribute to the SSO.
- 1603 College St. private location – EAD conducted an investigation and found that no commercial facilities exist; this is a residential area only.
- 7211 W 43<sup>RD</sup> ST. LRW manhole 3L-046 – EAD conducted an investigation of the line segments connecting to manhole 3L046 and concluded that this area was residential only.
- 2710 S. Cross St. private location – EAD conducted an investigation of area and no commercial facilities exist; this is a residential area only.
- EAD collected samples from a pond at Western Hills in response to a complaint the pond is contaminated with sewer. Visual inspection indicates no points of contamination. Sample test results confirmed no sewer contamination.
- EAD conducted an investigation of a costumer compliant indicating sewage in a stream located in the Broadmoar Subdivision with the listed address being 6912 W. 34<sup>th</sup> St. Samples were collected from three pools in the stream and sent to the lab for analysis. The results of the analysis indicated possible contamination. The investigation was turned over to the LRW Engineering Division for corrective measures.

EAD inspected 991 facilities with some type of interceptor or trap. This is an increase of 7% from 2007. Of those facilities 17% (166) corrective action items were required to clean or repair the interceptor or trap.

A total of 176 Construction Plans were reviewed with eighty-five (85) Grease or Sand Interceptor Sizing Approvals Forms issued in 2008. This is an increase of 67% over 2007 plan reviews. EAD reviews all commercial construction plans for new facilities which may require a sand, grease, or lint interceptor.

**LITTLE ROCK WASTEWATER  
TRAP CONTROL SUMMARY**

| <b>I. General Information</b> |                                           |            |                |
|-------------------------------|-------------------------------------------|------------|----------------|
| Control Authority Name:       | Little Rock Wastewater                    |            |                |
| Address:                      | 11 Clearwater Drive                       |            |                |
| City:                         | Little Rock                               | State/Zip: | Arkansas 72204 |
| Contact Person/Title:         | Stanley Suel, EAD Director                |            |                |
| Contact Telephone Number:     | 501-688-1486                              |            |                |
| Reporting Period              | January 1, 2008 through December 31, 2008 |            |                |

| <b>II. Trap Control Compliance Monitoring</b> |                                                          |     |
|-----------------------------------------------|----------------------------------------------------------|-----|
| 1.                                            | Number of Trap Inspections Performed                     | 991 |
| 2.                                            | Number of Traps Requiring Cleaning                       | 73  |
| 3.                                            | Number of Traps Requiring Cleanout Replacement or Repair | 58  |
| 4.                                            | Number of Traps Requiring Repair                         | 11  |
| 5.                                            | Number of Facilities Requiring Trap Installation         | 24  |

| <b>III. Enforcement Actions</b> |                                                  |            |
|---------------------------------|--------------------------------------------------|------------|
| 1.                              | Number of Notice of Violations (NOV) Issued      | 0          |
| 2.                              | Number of Compliance Orders and Schedules Issued | 0          |
| 3.                              | Number of Administrative Orders Issued           | 0          |
| 4.                              | Number of Civil Suits Filed                      | 0          |
| 5.                              | Amount of Penalties Collected (Total Dollars)    | 0          |
| 6.                              | Other Actions (occurrence fees)                  | \$3,400.00 |

**LITTLE ROCK WASTEWATER  
PRETREATMENT PROGRAM  
FUNDING/EXPENDITURE REPORT**

|                                                | <u>2008<br/>Actual</u> | <u>2009<br/>Estimated</u> |
|------------------------------------------------|------------------------|---------------------------|
| <b>Funding</b>                                 |                        |                           |
| Surcharge Program                              | \$674,650              | \$688,143                 |
| Hauled Liquid Waste/Landfill Leachate Program  | \$152,144              | \$155,187                 |
| Permitted Industrial Wastewater Discharge Fees | \$34,161               | \$40,000                  |
| Trap/Interceptor Control Program Fees          | \$3,400                | \$3,468                   |
| Domestic Septage Waste Hauler Fees             | \$1,550                | \$1,550                   |
| Landfill Permit Fees                           | \$500                  | \$750                     |
| Diversion / Sewer Meter Fees                   | \$8,475                | \$8,500                   |
| Special Discharge-Restricted Short Term Fees   | \$109,208              | \$3,000                   |
| <b>Total Funding</b>                           | <b>\$984,088</b>       | <b>\$900,598</b>          |
| <b>O&amp;M Expenditures</b>                    |                        |                           |
| Salary                                         |                        |                           |
| Employee Salaries                              | \$606,080              | \$627,352                 |
| Employee Benefits                              | \$233,095              | \$237,407                 |
| Supplies/Maintenance                           |                        |                           |
| Supplies/Equipment Maintenance                 | \$64,064               | \$80,015                  |
| Vehicle Maintenance                            | \$11,225               | \$9,141                   |
| Other                                          |                        |                           |
| Training and Development                       | \$4,493                | \$6,022                   |
| Contract Services                              | \$19,040               | \$23,810                  |
| Telephone                                      | \$4,213                | \$6,129                   |
| <b>Total O&amp;M Expenditures</b>              | <b>\$942,210</b>       | <b>\$989,876</b>          |
| <b>Capital Expenditures</b>                    |                        |                           |
| Replace Spectrophotomer                        | \$9,400                |                           |
| Replace Laboratory Fume Hoods                  |                        | \$63,000                  |
| Replace Flame/Furnace/AA System                | \$102,000              |                           |
| Replace EAD Sampling Van                       |                        | \$45,000                  |
| Replace Cyanide Distillation System            |                        | \$15,000                  |
| Replace Ammonia/Phenol Distillation System     |                        | \$17,000                  |
| <b>Total Capital Expenditures</b>              | <b>\$111,400</b>       | <b>\$140,000</b>          |
| <b>Total Expenditures</b>                      | <b>\$1,053,610</b>     | <b>\$1,129,876</b>        |

## 2008 Fees Billed Year to Date

| Fee Schedule                                                                    | Description                                                                                       | Total Billed     |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------|
| <b>3.1 Fees for Other Approved Wastewater Sources</b>                           |                                                                                                   |                  |
| 3.1.1                                                                           | New Industrial Permit Application Fee (each facility)                                             | \$500            |
| 3.1.2                                                                           | Industrial Permit Modification or Permit Transfer Fee (each action)                               | \$250            |
| 3.1.3                                                                           | Categorical Discharger (CIU) - Annual Permit Fee (each outfall)                                   | \$6,000          |
| 3.1.4                                                                           | Non-Significant CIU (1-100 GPD) Annual permit Fee*                                                | \$750            |
| 3.1.5                                                                           | Significant "CIU Zero" Discharger - Annual Permit Fee*                                            | \$1,500          |
| 3.1.6                                                                           | Non-Significant "CIU Zero" Discharger Annual Permit Fee*                                          | \$0              |
| 3.1.7                                                                           | Categorical "Zero" Discharger (Domestic Only) Permit Fee*                                         | \$1,500          |
| 3.1.8                                                                           | Significant Industrial User - Annual Permit Fee*                                                  | \$12,750         |
| 3.1.9                                                                           | Other Regulated Industrial user - Annual Permit Fee*                                              | \$7,500          |
| 3.1.10                                                                          | Other Regulated Industrial Users "Zero Discharge -Annual Permit Fee *                             | \$250            |
| 3.1.11                                                                          | Noncompliance Inspection, Sampling, and/or Testing (each occurrence)                              | \$3,111          |
| 3.1.12                                                                          | Late Reporting Fee (each occurrence)                                                              | \$50             |
| Sub Total                                                                       |                                                                                                   | \$34,161         |
| <b>3.2 Trap/Interceptor (T/I) Control Program-Landowner/Lessee/Tenant Fees</b>  |                                                                                                   |                  |
| 3.2.1                                                                           | Review Fee - Redevelopment to Determine Adequacy of Existing T/I                                  | \$0              |
| 3.2.2                                                                           | T/I Variance Request from Approved Specifications                                                 | \$400            |
| 3.2.3                                                                           | T/I Follow-up Noncompliance Inspection (1st occurrence)                                           | \$1,000          |
| 3.2.4                                                                           | T/I Noncompliance Past LRWU Requirement (each past 1st occurrence)                                | \$800            |
| 3.2.5                                                                           | T/I Overflow Investigation (Active Overflow of Interceptor)                                       | \$1,200          |
| 3.2.6                                                                           | T/I Noncompliance Sampling and/or Testing (each occurrence)                                       | \$0              |
| Sub Total                                                                       |                                                                                                   | \$3,400          |
| <b>3.3 Domestic Septage Disposal Fees (Accepted Only From Approved Sources)</b> |                                                                                                   |                  |
| 3.3.1                                                                           | HLW Disposal Fee < 1000 Gallon Tanker Capacity (each load)                                        | \$450            |
| 3.3.2                                                                           | HLW Disposal Fee > 1000 Gallon Tanker Capacity (each load)                                        | \$0              |
| Sub Total                                                                       |                                                                                                   | \$450            |
| <b>3.4 Permitted Domestic Waste Hauler/Owner/Operator Fees</b>                  |                                                                                                   |                  |
| 3.4.1                                                                           | HLW New Permit Application Fee (each facility)                                                    | \$0              |
| 3.4.2                                                                           | HLW Permit Modification or Permit Transfer Fee (each action)                                      | \$0              |
| 3.4.3                                                                           | Domestic Septage Waste Haulers - Annual Permit Fee                                                | \$1,050          |
| 3.4.4                                                                           | Domestic Septage Waste Hauler Tanker Fee - (each truck or tanker)                                 | \$50             |
| 3.4.5                                                                           | HLW Noncompliance Inspection, Sampling, and/or Testing (each occurrence)                          | \$0              |
| 3.4.6                                                                           | HLW Late Reporting Fee (each occurrence)                                                          | \$0              |
| Sub Total                                                                       |                                                                                                   | \$1,100          |
| <b>3.5 Permitted Landfill Owner/Operator Fees</b>                               |                                                                                                   |                  |
| 3.5.1                                                                           | Landfill New Permit Fee (each facility)                                                           | \$0              |
| 3.5.2                                                                           | Landfill Permit Modification or Permit Transfer Fee (each action)                                 | \$0              |
| 3.5.3                                                                           | Landfill Operator - Annual Permit Fee                                                             | \$500            |
| 3.5.4                                                                           | Landfill Noncompliance Inspection, Sampling, and/or Testing (each occurrence)                     | \$0              |
| 3.5.5                                                                           | Landfill Late Reporting Fee (each occurrence)                                                     | \$0              |
| Sub Total                                                                       |                                                                                                   | \$500            |
| <b>3.6 Permitted Landfill Leachate Hauler Fees</b>                              |                                                                                                   |                  |
| 3.6.1                                                                           | Landfill Leachate New Permit Application Fee (each facility)                                      | \$0              |
| 3.6.2                                                                           | Landfill Leachate Permit Modification or Permit Transfer Fee (each action)                        | \$0              |
| 3.6.3                                                                           | Landfill Leachate Hauler - Annual Permit Fee                                                      | \$0              |
| 3.6.4                                                                           | Landfill Leachate Tanker Fee - (each truck or tanker)                                             | \$0              |
| 3.6.5                                                                           | Landfill Leachate Noncompliance Inspection, Sampling, and/or Testing (each occurrence)            | \$0              |
| 3.6.6                                                                           | Landfill Leachate Late Reporting Fee (each occurrence)                                            | \$0              |
| Sub Total                                                                       |                                                                                                   | \$0              |
| <b>3.7 Permitted Mobil Pressure Wash Owner/Operator Fees</b>                    |                                                                                                   |                  |
| 3.7.1                                                                           | Mobil Pressure Wash Operator New Permit Application Fee                                           | \$0              |
| 3.7.2                                                                           | Mobil Pressure Wash Operator - Annual Permit Fee                                                  | \$188            |
| 3.7.3                                                                           | Mobil Pressure Wash Operator Tanker Fee - (each truck or tanker)                                  | \$0              |
| 3.7.4                                                                           | Mobil Pressure Wash Operator Disposal Fee <1000 Gallon Tanker Capacity (each load)                | \$0              |
| 3.7.5                                                                           | Mobil Pressure Wash Operator Disposal Fee > 1000 Gallon Tanker Capacity (each load)               | \$0              |
| 3.7.6                                                                           | Mobil Pressure Wash Operator Noncompliance Inspection, Sampling, and/or Testing (each occurrence) | \$0              |
| 3.7.7                                                                           | Mobil Pressure Wash Operator Late Reporting Fee (each occurrence)                                 | \$0              |
| Sub Total                                                                       |                                                                                                   | \$188            |
| <b>3.8 Diversion and Sewer Meter Inspection Fees</b>                            |                                                                                                   |                  |
| 3.8.1                                                                           | New Meter Installation - Review, On-site, Inspection, and Approval                                | \$300            |
| 3.8.2                                                                           | Meter Annual Inspection (each meter and meter type)                                               | \$7,875          |
| 3.8.3                                                                           | Replacement Meter Installation Fee (Active Accounts Only)                                         | \$150            |
| 3.8.4                                                                           | Meter Re-Activation Fee (Applies to Lapsed Accounts ≥ 180 days)                                   | \$150            |
| 3.8.5                                                                           | Variance Request - Pretreatment Ordinance Requirement (each)                                      | \$0              |
| Sub Total                                                                       |                                                                                                   | \$8,475          |
| <b>3.9 Fees for Other Approved Wastewater Sources</b>                           |                                                                                                   |                  |
| 3.9.1                                                                           | New Restricted Short Term Authorization - Application Fee                                         | \$250            |
| 3.9.2                                                                           | New Special Discharge Permit - Application Fee                                                    | \$0              |
| 3.9.3                                                                           | New Special Discharge Permit - Annual Permit Fee (each outfall)                                   | \$0              |
| 3.9.4                                                                           | Special Discharge Wastewater Disposal Fee per Gallon                                              | \$108,770        |
| 3.9.5                                                                           | Special Discharge Compliance Inspection, Monitoring, and Testing (each)                           | \$0              |
| 3.9.6                                                                           | Special Discharge Noncompliance Inspection, Sampling, and/or Testing                              | \$0              |
| 3.9.7                                                                           | Special Discharge Late Reporting Fee (each occurrence)                                            | \$0              |
| Sub Total                                                                       |                                                                                                   | \$109,020        |
| <b>Total</b>                                                                    |                                                                                                   | <b>\$157,294</b> |



**PRETREATMENT PERFORMANCE SUMMARY (PPS)**

**NOTE: ALL QUESTIONS REFER TO THE INDUSTRIAL PRETREATMENT PROGRAM AS APPROVED BY THE EPA. THE PERMITTEE SHOULD NOT ANSWER THE QUESTIONS BASED ON CHANGES MADE TO THE APPROVED PROGRAM WITHOUT EPA AUTHORIZATION.**

| I. General Information                          |                                                  |           |              |
|-------------------------------------------------|--------------------------------------------------|-----------|--------------|
| Control Authority Name                          | Little Rock Wastewater                           |           |              |
| Address                                         | 11 Clearwater Drive                              |           |              |
| City                                            | Little Rock                                      | State/Zip | AR 72204     |
| Contact Person                                  | Stanley Suel                                     | Position  | Director EAD |
| Contact Telephone Number                        | (501) 688-1486                                   |           |              |
| NPDES Permit No's.                              | AR 0040177 & AR 0021806                          |           |              |
| Reporting Period                                | <b>January 1, 2008 through December 31, 2008</b> |           |              |
| Total Number of Categorical IUs                 | 15                                               |           |              |
| Total Number of Significant Non-categorical IUs | 20                                               |           |              |

| II. Significant Industrial User Compliance |                                                                             |                              |                |
|--------------------------------------------|-----------------------------------------------------------------------------|------------------------------|----------------|
|                                            |                                                                             | Significant Industrial Users |                |
|                                            |                                                                             | Categorical                  | Noncategorical |
| 1                                          | No. of SIUs Submitting BMRs/Total No. Required                              | 1 / 1                        | 0 / 0          |
| 2                                          | No. of SIUs Submitting 90-Day Compliance Reports/No. Required               | 1 / 1                        | 0              |
| 3                                          | No. of SIUs Submitting Semiannual Reports/Total No. Required                | 5 / 5                        | 0 / 0          |
| 4                                          | No. of SIUs Meeting Compliance Schedule/Total No. Required to Meet Schedule | 0 / 0                        | 0 / 0          |
| 5.                                         | No. of SIUs in Significant Noncompliance/Total No. of SIUs                  | 1 / 15                       | 0 / 20         |
| 6                                          | Rate of Significant Noncompliance for all SIUs                              | 1 / 35                       |                |

| III. Compliance Monitoring Program |                                            |                              |                |
|------------------------------------|--------------------------------------------|------------------------------|----------------|
|                                    |                                            | Significant Industrial Users |                |
|                                    |                                            | Categorical                  | Noncategorical |
| 2                                  | No. of Non-sampling Inspections Conducted  | 23                           | 21             |
| 3                                  | No. of Sampling Visits Conducted           | 96                           | 429            |
| 4                                  | No. of Facilities Inspected (non-sampling) | 15                           | 20             |
| 5                                  | No. of Facilities Sampled                  | 11*                          | 19**           |

| IV. Enforcement Actions |                                                                |                              |                |
|-------------------------|----------------------------------------------------------------|------------------------------|----------------|
|                         |                                                                | Significant Industrial Users |                |
|                         |                                                                | Categorical                  | Noncategorical |
| 1                       | No. of Compliance Schedules Issued/No. of Schedules Required   | 0 / 0                        | 0 / 0          |
| 2                       | No. of Notices of Violations issued to SIUs                    | 2                            | 0              |
| 3                       | No. of Administrative Orders Issued to SIUs                    | 0                            | 0              |
| 4                       | No. of Civil Suits Filed                                       | 0                            | 0              |
| 5                       | No. of Criminal Suits Filed                                    | 0                            | 0              |
| 6                       | No. of Significant Violators (attach newspaper publication)    | 1                            | 0              |
| 7                       | Amount of Penalties Collected (total dollars/IUs assessed) *** | \$1,280 / 2                  | \$1,742 / 5    |
| 8                       | Other Actions (sewer bans, etc.)                               | 0                            | 0              |

\* Categorical IU's: No regulated discharge: Four (4) Not Sampled– Hawker Beechcraft, Hillcrest Camshaft, Progress Rail Service, and LR Powder Coating. Sampled domestic/unregulated only: Cameron Valve, Dassault Falcon Jet, Central Jet Flying Service, St. Vincent Hospital, PPG, and Tire Curing Bladders, LLC.

\*\* Darling International - domestic only.

\*\*\* LRWU Consolidate Fee Schedule allows for non-compliance fees based on sampling, testing and inspection costs.

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

In accordance with the certification statement found in the NPDES Permits issued to Little Rock Wastewater (Part II D. 11. c.): 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.

*Reggie A. Corbitt*

*March 18, 2009*

Authorized Representative

Date

Reggie A. Corbitt, Chief Executive Officer

**LITTLE ROCK WASTEWATER  
SUMMARY OF INDUSTRIAL USER NONCOMPLIANCE  
1986 THROUGH 2008**

| Year | Number of IUs In Significant Violation<br>or Significant Noncompliance |
|------|------------------------------------------------------------------------|
| 1986 | 18 – Significant Violation                                             |
| 1987 | 9 – Significant Violation                                              |
| 1988 | 8 – Significant Violation                                              |
| 1989 | 4 – Significant Violation                                              |
| 1990 | 4 – Significant Noncompliance                                          |
| 1991 | 1 – Significant Noncompliance                                          |
| 1992 | 2 – Significant Noncompliance                                          |
| 1993 | 1 – Significant Noncompliance                                          |
| 1994 | 3 – Significant Noncompliance                                          |
| 1995 | 0 – Significant Noncompliance                                          |
| 1996 | 0 – Significant Noncompliance                                          |
| 1997 | 4 – Significant Noncompliance                                          |
| 1998 | 1 – Significant Noncompliance                                          |
| 1999 | 2 – Significant Noncompliance                                          |
| 2000 | 3 – Significant Noncompliance                                          |
| 2001 | 1 – Significant Noncompliance                                          |
| 2002 | 2 – Significant Noncompliance                                          |
| 2003 | 3 – Significant Noncompliance                                          |
| 2004 | 1 – Significant Noncompliance                                          |
| 2005 | 1 – Significant Noncompliance                                          |
| 2006 | 1 – Significant Noncompliance                                          |
| 2007 | 0 – Significant Noncompliance                                          |
| 2008 | 1 – Significant Noncompliance                                          |

## **SIGNIFICANT NONCOMPLIANCE LIST 2008**

### **Essick Air Products**

Essick Air Products was in Significant Noncompliance due to violations of the monthly average limit for Zinc (Total) in the first quarter evaluation period of 2008. For the 2008 first Quarterly Compliance Evaluation period, the Zinc monthly average TRC exceeded the 33% criteria for Significant Non Compliance listed in 40CFR 403.8 (f) (2) (viii) (B); due to monthly average violations in January and February of 2008.

A Notice of Violation stating Significant Noncompliance was issued to Essick Air Products on April 21, 2008 requiring corrective measures to prevent reoccurrence of the violation. April 2008 monitoring showed a return to compliance. Essick Air Products discontinued the categorical operation and no longer discharges industrial process wastewater to the sanitary sewer.

### **Public Notice Little Rock Wastewater**

In accordance with the U.S. Environmental Protection Agency rule published as 40 CFR 403.8(f)(2)(viii), Little Rock Wastewater is providing notification that, during 2008, Essick Air Products was in Significant Noncompliance with pretreatment requirements contained in regulations governing the discharge of industrial wastewater. The facility has returned to compliance.

# Arkansas Democrat Gazette

## STATEMENT OF LEGAL ADVERTISING

LR WASTEWATER UTILITY  
P O BOX 45090  
LITTLE ROCK AR 72214

REMIT TO:  
ARKANSAS DEMOCRAT-GAZETTE, INC.  
P.O. BOX 2221  
LITTLE ROCK, AR 72203

ATTN: George  
DATE : 03/07/09 INVOICE #: 2404240  
ACCT #: L809616 P.O. #: A24883

BILLING QUESTIONS CALL 378-3812

STATE OF ARKANSAS,  
COUNTY OF PULASKI, } ss.

I, Elizabeth Myers do solemnly swear that I am the legal Billing Clerk of the Arkansas Democrat - Gazette, a daily newspaper printed and published in said County, State of Arkansas; that I was so related to this publication at and during the publication of the annexed legal advertisement in the matter of:

public notice  
pending in the Court, in said County, and at the dates of the several publications of said advertisement stated below, and that during said periods and at said dates, said newspaper was printed and had a bona fide circulation in said County; that said newspaper had been regularly printed and published in said County, and had a bona fide circulation therein for the period of one month before the date of the first publication of said advertisement; and that said advertisement was published in the regular daily issues of said newspaper as stated below.

### AD COPY

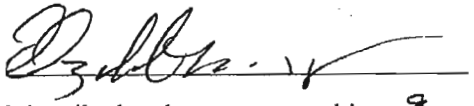
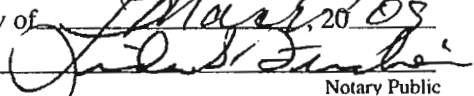
**PUBLIC NOTICE**  
Little Rock Wastewater  
In accordance with the U.S. Environmental Protection Agency rule published as 40 CFR 403.8(f)(2)(viii), Little Rock Wastewater is providing notification that, during 2008, Essick Air Products was in Significant Non-compliance with pretreatment requirements contained in regulations governing the discharge of industrial wastewater. The facility has returned to compliance.  
55382388

*George,  
here is the  
only copy of the  
publication I rec'd.*

*Thp!  
Stacy*

| DATE | DAY | LINAGE | RATE | DATE | DAY | LINAGE | RATE |
|------|-----|--------|------|------|-----|--------|------|
| 3/07 | Sat | 19     | 1.25 |      |     |        |      |

TOTAL COST ----- 23.75  
Billing Ad #: 55382388

  
Subscribed and sworn to me this 9  
day of March, 2009  
  
Notary Public



(reminder)  
 Insert  
 Proof of Publication  
 once received  
 from Newspaper

Bonds as they mature and are called for redemption prior to maturity, together with fees and costs incidental thereto, there are hereby appropriated out of the proceeds of the Library Tax and the Special Tax Collections, the sums necessary to pay the same in accordance with the schedule of principal and interest attached hereto as Exhibit "A" and made a part hereof.

Section 4. The proceeds of the Series 2009 Bonds, together with investment earnings thereon, shall be used (i) to finance the Projects; and (ii) to pay interest on the Series 2009 Bonds until collections of the Library Tax become available to pay the interest on the Series 2009 Bonds; and (iii) to pay the costs of issuance of the Series 2009 Bonds. The Series 2009 Bonds, will mature, bear interest and be subject to redemption in accordance with the provisions of the Supplemental Indenture (identified hereinafter).

Section 5. All actions heretofore taken by the Mayor, City Clerk, and Director of Finance and Treasurer in connection with the offering of the Series 2009 Bonds, including the preparation and distribution of the Preliminary Official Statement, preparation of the Official Statement, and preparation of this Ordinance (the "Authorizing Ordinance") are hereby in all respects ratified and approved. The Official Statement is deemed a final Official Statement for purposes of the Securities and Exchange Commission Rule 15(c) 2-12. The Official Statement of the City in the form presented at this meeting with such changes, omissions, insertions and revisions as the Mayor, City Clerk, and Director of Finance and Treasurer shall deem advisable is hereby authorized and approved, and the Mayor shall sign and deliver such final Official Statement to the Underwriter for distribution to the owners of the bonds and other interested persons.

Section 6. The appointment of Metropolitan National Bank ("Trustee") as Trustee for the Series 2009 Bonds is hereby approved.

Section 7. To prescribe the terms and conditions upon which the Series 2009 Bonds authorized by the voters at the December 11, 2007 Special Election are to be executed, issued, accepted, held and secured, the Mayor is hereby authorized and directed to execute and acknowledge a Series 2009 Supplemental Trust Indenture between the City and the Trustee, and the City Clerk is hereby authorized and directed to execute and acknowledge the Series 2009 Supplemental Trust Indenture and to affix the seal of the City thereto, and the Mayor and City Clerk are hereby authorized and directed to cause the Trust Indenture to be accepted, executed and acknowledged by the Trustee. The Series 2009 Supplemental Trust Indenture is hereby approved in substantially the form submitted to this meeting with such changes as shall be approved by such persons executing the document, their execution to constitute conclusive evidence of such approval.

Section 8. The Mayor, the City Clerk, the City Director of Finance and Treasurer, and CALS, for and on behalf of the City, are authorized and directed to do any and all things necessary to effect the execution and delivery of the Series 2009 Supplemental Trust Indenture, the performance of all obligations of the City under the Series 2009 Supplemental Trust Indenture, the issuance, execution, sale and delivery of the Series 2009 Bonds, including the execution of a Bond Purchase Agreement between the City and the Underwriter, and the performance of all acts of whatever nature necessary to effect and carry out the authority conferred by this Ordinance. The Mayor, City Clerk, the City Director of Finance and Treasurer, and CALS are further authorized and directed, for and on behalf of the City, to execute all papers, documents, certificates and other instruments that may be required for the carrying out of such authority or to evidence the exercise thereof.

Section 9. The appointments of Wright, Lindsey & Jennings LLP as Bond Counsel and of Stephens Inc. as Underwriter, respectively, are hereby approved and ratified.

Section 10. It is hereby found and declared that an immediate need exists for the accomplishment of the Projects in order to achieve the most cost effective financing for the City's public libraries. It is, therefore, declared that an emergency exists. This Ordinance, being necessary for the immediate preservation of the public peace, health and safety, shall take effect and be in force from and after its passage.

PASSED: March 3, 2009

ATTEST:  
 /s/Nancy Wood  
 Nancy Wood, City Clerk

APPROVED:  
 /s/Mark Stodola  
 Mark Stodola, Mayor

APPROVED AS TO FORM:  
 /s/Thomas M. Carpenter  
 Thomas M. Carpenter  
 City Attorney

EXHIBIT A  
 Series 2009 Bonds

| Maturity (March 1) | Principal Amount | Interest Rate |
|--------------------|------------------|---------------|
| 2010               | \$1,045,000.00   | 3.000%        |
| 2011               | \$1,075,000.00   | 3.000%        |
| 2012               | \$1,110,000.00   | 3.000%        |
| 2013               | \$1,140,000.00   | 3.000%        |
| 2014               | \$1,175,000.00   | 3.000%        |
| 2015               | \$1,210,000.00   | 3.000%        |
| 2016               | \$1,255,000.00   | 4.000%        |
| 2017               | \$1,305,000.00   | 4.000%        |
| 2018               | \$1,360,000.00   | 4.000%        |
| 2019               | \$1,415,000.00   | 4.000%        |
| 2020               | \$1,475,000.00   | 4.000%        |
| 2021               | \$1,535,000.00   | 4.000%        |
| 2022               | \$1,600,000.00   | 4.250%        |
| 2023               | \$1,670,000.00   | 4.375%        |
| 2024               | \$1,745,000.00   | 4.600%        |
| 2025               | \$1,830,000.00   | 4.700%        |
| 2026               | \$1,920,000.00   | 4.800%        |
| 2027               | \$2,015,000.00   | 5.000%        |
| 2028               | \$2,120,000.00   | 5.000%        |

(Accrued interest from April 1, 2009 to be added)

Cash Construction Company, Inc. is soliciting HUB/MBE/WBE/DBE bids for participation on the following project:

**CABOT WATER SYSTEM IMPROVEMENTS CONTRACT III WATER TRANSMISSION LINE CAW TO CABOT.**

Please fax bids to 512-251-2578  
 Attn: Nathan Genry  
 554635651

Elevator Cylinder Replacement. The Newport Economic Development Commission seeks bids to furnish the necessary labor and materials to replace the existing elevator jack with an ASME A17.1 - 2000 Code compliant jack with a sealed cylinder protection liner (PVC). All work to be completed during normal business hours of 8:00am - 4:30pm M-F. Please contact the Newport Economic Development Commission, P.O. Box 766, Newport, AR 72112. Phone (870)523-1009, email - director@newportaredeco.org for complete scope of work. Bids will be due by close of business on March 16, 2009.  
 55338896f

**INVITATION FOR BIDS**

The North Little Rock Housing Authority will receive bids at its Central Office, 2201 Division Street, North Little Rock, AR (mailing address P.O. Box 516, North Little Rock, AR 72115) until 10:00 a.m., Tuesday, March 31, 2009, for Trash Compactor Retrofit at Willow House AR002007, North Little Rock, AR, at which time and place all bids will be publicly opened and read aloud. Specifications may be obtained from the PHA's central office. Bid packets may be mailed outside the standard metropolitan area provided bidder advances a cashier's check or money order in the amount of \$10 for shipping and handling. There is a \$20.00 charge for drawings on this project, payable to the Housing Authority. Any bid received after the closing time will be returned unopened. Bid, along with all completed forms as per instructions to bidders, signed by an authorized official, should be submitted in a sealed envelope, clearly marked "Trash Compactor Retrofit at Willow House AR002007, North Little Rock, AR, to be opened Monday, March 31, 2009, at 10:00 a.m." At which time and place all bids will be publicly opened and read aloud. There will be a mandatory walk through of this project on Tuesday, March 31, 2009 at 10:00 am, meet at Willow House, 2500 Willow, North Little Rock, AR. The housing authority reserves the right to reject any of all bids or to waive any informalities in the bidding. No bid shall be withdrawn for a period of sixty (60) days subsequent to the opening of bids without the consent of the North Little Rock Housing Authority. EHO  
 Jim Redman, Executive Director  
 North Little Rock Housing Authority  
 55350384f

**INVITATION TO BID**  
**ASPHALT & ASPHALT PAVING**  
 The City of Benton Street Dept. is accepting Bids until 10:00 AM, March 23, 2009 for Asphalt and Asphalt Paving at which time the bids will be publicly opened and read aloud. Any bids received after the closing time will be returned unopened.  
 Copies of the specifications are on file and may be obtained from the Purchasing Dept. at 1314 Venturi, Benton, AR or by calling 501-776-5936.  
 Bids are to be submitted to the Purchasing Dept., 1314 Venturi, Benton, AR 72019, in a sealed envelope with the notation of "Sealed Bid - Asphalt" on the outside of it.  
 The bid opening will be held at the Purchasing Dept. office, 1314 Venturi, Benton, AR 72019.  
 The City of Benton reserves the right to reject any and all bids in whole

proposal deemed to be for their best interest. All contracts with successful bidders are subject to City Council approval.

**CITY OF SHERWOOD**  
 Virginia Hillman, Mayor  
 55436162f

Notice to Contractors  
 University of Arkansas at Fayetteville

Sealed bids will be received until 2:00 PM, March 24, 2009 in the University Administration Building Room 321, 1125 West Maple, Fayetteville, Arkansas 72701 for the following:  
 General contract for all labor, material and equipment necessary remove existing trees damaged by ice including the stumps, planting replacement trees and installing sod on the University of Arkansas campus located in the City of Fayetteville.

**DOCUMENTS ARE ON FILE AT:**  
 Southern Reprographics, Inc. 2905 Point Circle, Fayetteville, Arkansas 72704; and NW Arkansas Planning Room, 200 South Bloomington Street, Suite G, Lowell, Arkansas 72745.

A complete set of contract documents may be obtained from Southern Reprographics. A security deposit of \$20.00 for each set of drawings is required. Only full sets of drawings and specifications may be purchased. The deposit will be refunded for clean unmarked sets once plans are returned. A limit of 3 sets of drawings and specifications will be provided to each contractor. Engineer: Development Consultants, Inc. 509 West Spring Street, Suite 135 Fayetteville, Arkansas 72701

A pre-bid conference will be held on March 17, 2009 @ 10:00 AM in the Facilities Management Offices located at 521 South Razorback Road, Fayetteville AR 72701.

A bid bond in the amount of 5% shall accompany each bid if the bid is in excess of \$20,000.00.

The University of Arkansas at Fayetteville reserves the right to reject any or all bids and to waive any formalities.

Bidders shall conform to the requirements of the Arkansas licensing laws and regulations for contractors and shall be licensed before his bid is submitted unless the project is federal funded and therefore except by Ark. Code Ann §17-25-315.

There shall be only one bid submitted per State Contractors license. Bidders will be required to indicate license number on bid form beneath signature when bidding \$20,000.00 or more.

Submitted by: University of Arkansas at Fayetteville.  
 55447895f

**PUBLIC NOTICE**  
 Little Rock Wastewater  
 In accordance with the U.S. Environmental Protection Agency rule published as 40 CFR 403.8(f)(2)(viii), Little Rock Wastewater is providing notification that, during 2008, Essick Air Products was in Significant Non-compliance with pretreatment requirements contained in regulations governing the discharge of industrial wastewater. The facility has return to compliance.  
 55382388f

Request for Proposals  
 On March 9, 2009, the Arkansas Department of Workforce Services will begin accepting proposals from private and community based organizations, including faith-based organizations, in Arkansas to provide demonstration project services in the State of Arkansas to accomplish one or more of the following Temporary Assistance for Needy Families (TANF) goals:  
 • Provide assistance to needy families so that children may be cared for in their own homes or in the homes of relatives;  
 • Reduce dependency of needy families on government benefits by promoting job preparation, work and

offices is as follows:  
 El Dorado ofc.: 2 boro, El Dorado, AR 7 870-862-4965.  
 Fort Smith ofc.: 33 enue, Ft. Smith, A 479-646-6611.  
 Little Rock ofc.: 3 sources Dr., Ste 102, 72205; ph. 501-683-58  
 Please use the app number in any inquiree mission concerning if quires should be dir York, Commission At Little Rock address, c Alan.York@aocg.state.a who proposes to oppo; lication should notify, Director of the Arkan Commission and the A torney of the proposed later than the close of b Friday before the sch; hearing date.  
 55450927f

**NOTICE**  
**NOTICE IS HEREB**  
 OneTEC Operating, LL has filed an Applicatio Kansas Oil and Gas Cc integration of all unles; terests and uncommi working interests in a ur prised of all of Section 11 North, Range 14 We County, Arkansas. The assigned Docket Numbr plication is:  
 Docket Number: 150- NOTICE IS FURTHER Applicant proposes to d tal well to be complet; exceptional location w 14, Township 11 Nort West, Van Buren Count Applicant requests that s made applicable to the f ties, or any known or unkr heir, devisee, personal re; successor or assign of t parties:  
 ARCHIE FORK LLC  
 ARKANSAS STATE COMMISSION  
 EDMOND AND NANCY DIXIE LEE CARTER  
 RHONDA MICHAEL AND RANDY CROWELL  
 HOWARD AND EDITH FIRST BAPTIST CHURCH CLINTON  
 KENNETH AND CHERY LEE AND CONNIE HOPE NINA RUTH AND ERIC NINGS  
 JIMMY LEE LIVELY  
 JAMES AND ULIA GAY JOHANNIE BRUCE P  
 JEFF PATE  
 O'REILLY AUTOMOTIVE SHAKERRIG TRUST  
 VAN BUREN COUNTY DAVID MORGAN V  
 DARRYL WAYNE WARREN DENNIS JCE WARREN BP AMERICA PRO COMPANY  
 CHESAPEAKE EXPLC L.L.C.  
 COVENANT ENERGY LI DAVID W. ARRINGTON C INC.  
 LIMESTONE LEASING IN POP'S PAY DIRT, LLC  
 NOTICE IS FURTHER G said application will be her Arkansas Oil and Gas Com a public hearing commenci am on March 24, 2009, o thereafter as possible, to the Arkansas Game & Fish sion Hearing Chambers, Tw Resources Drive, Little Roc sas 72205. Due to the lengt docket items, the hearing time into the following day information for Oil & Gas C offices is as follows:  
 El Dorado ofc.: 2215 W boro, El Dorado, AR 71731- 870-862-4965.  
 Fort Smith ofc.: 3309 Ph enue, Ft. Smith, AR 72

**LITTLE ROCK WASTEWATER  
2008 PRETREATMENT PROGRAM STATUS REPORT**

| Facility Name                         | SIC          | Categorical Determination | Control Document      |     | New User | Times Inspected | Times Sampled | Compliance Status |                   |             |                 | Effluent Limits     |
|---------------------------------------|--------------|---------------------------|-----------------------|-----|----------|-----------------|---------------|-------------------|-------------------|-------------|-----------------|---------------------|
|                                       |              |                           | Last Action           | Y/N |          |                 |               | Reports           |                   |             |                 |                     |
|                                       |              |                           |                       |     |          |                 |               | BMR               | 90 Day Compliance | Semi-Annual | Self Monitoring |                     |
| Arkansas Painting and Specialties     | 3714         | 40 CFR 433                | RENEWED<br>12/21/07   | Y   | N        | 1               | 1             | RD<br>2/10/06     | N/A               | RD          | RD              | C                   |
| Central Flying Service                | 4581         | 40 CFR 433                | RENEWED<br>9/1/08     | Y   | N        | 1               | 6             | N/A               | N/A               | NR          | NR              | NO 433<br>DISCHARGE |
| CertainTeed                           | 2952         | 40 CFR 443                | RENEWED<br>4/1/2008   | Y   | N        | 1               | 23            | RD<br>4/14/00     | N/A               | RD          | RD              | C                   |
| Dassault Falcon Jet Corp              | 3728         | 40 CFR 433                | RENEWED<br>12/01/2008 | Y   | N        | 1               | 12            | RD<br>9/9/90      | N/A               | NR          | NR              | NO 433<br>DISCHARGE |
| Essick Air                            | 3499         | 40 CFR 433                | CLOSED<br>10/20/08    | Y   | N        | 3               | 10            | RD<br>8/29/00     | N/A               | RD          | RD              | NC-Zn(t)            |
| Hillcrest Camshaft Service, Inc.      | 3714         | 40 CFR 433                | RENEWED<br>9/1/08     | Y   | N        | 1               | 0             | RD<br>11/20/95    | N/A               | NR          | NR              | NO 433<br>DISCHARGE |
| Interstate Highway Sign Company       | 3993<br>7399 | 40 CFR 433                | RENEWED<br>2/01/2008  | Y   | N        | 3               | 19            | RD<br>3/25/92     | N/A               | RD          | RD              | NC - pH<br>NO 433   |
| Cameron Valve                         | 3494         | 40 CFR 433                | REVISED<br>10/1/08    | Y   | N        | 1               | 3             | N/A               | N/A               | NR          | NR              | DISCHARGE<br>NO 433 |
| Progress Rail Services                | 3562<br>3471 | 40 CFR 433                | RENEWED<br>5/01/2007  | Y   | N        | 1               | 0             | N/A               | N/A               | NR          | NR              | NO 433<br>DISCHARGE |
| Hawker Beechcraft                     | 3721         | 40 CFR 433                | RENEWED<br>3/1/08     | Y   | N        | 1               | 0             | N/A               | N/A               | NR          | NR              | NO 433<br>DISCHARGE |
| LR Powder Coating                     | 33281        | 40 CFR 433                | ISSUED<br>12/1/08     | Y   | Y        | 1               | 0             | N/A               | N/A               | NR          | NR              | NO 433<br>DISCHARGE |
| PPG                                   | 2851         | 40 CFR 446                | ISSUED<br>7/1/08      | Y   | Y        | 1               | 2             | N/A               | N/A               | NR          | NR              | NO 446<br>DISCHARGE |
| St. Vincent Hospital                  | 8062<br>2834 | 40 CFR 439                | RENEWED<br>3/1/08     | Y   | N        | 1               | 12            | RD<br>5/14/04     | N/A               | NR          | NR              | NO 439<br>DISCHARGE |
| Tire Curing Bladders LLC              | 3011         | 40 CFR 428                | RENEWED<br>1/1/2008   | Y   | N        | 1               | 3             | N/A               | N/A               | NR          | NR              | NO 428<br>DISCHARGE |
| Welspun Tubular                       | 3317         | 40 CFR 433<br>40 CFR 420  | ISSUED<br>6/11/08     | Y   | Y        | 5               | 5             | RD<br>11/21/07    | RD<br>10/20/08    | RD          | RD              | C                   |
| Ameripride Linen and Apparel Services | 7218         | N/A                       | RENEWED<br>12/21/07   | Y   | N        | 1               | 29            |                   |                   | By POTW     |                 | C                   |



# LITTLE ROCK WASTEWATER

3/11/2009

## 2008 PRETREATMENT PROGRAM STATUS REPORT

| Facility Name                   | SIC  | Categorical Determination | Control Document      |     | New User | Times Inspected | Times Sampled | Compliance Status |                   |             |                 |                 |
|---------------------------------|------|---------------------------|-----------------------|-----|----------|-----------------|---------------|-------------------|-------------------|-------------|-----------------|-----------------|
|                                 |      |                           | Last Action           | Y/N |          |                 |               | BMR               | Reports           |             |                 |                 |
|                                 |      |                           |                       |     |          |                 |               |                   | 90 Day Compliance | Semi-Annual | Self Monitoring | Effluent Limits |
| Arkansas Childrens Hospital     | 8062 | N/A                       | REVISED<br>12/22/04   | Y   | N        | 1               | 52            |                   | By POTW           |             |                 | C               |
| Arkansas Heart Hospital         | 8062 | N/A                       | RENEWED<br>1/30/06    | Y   | N        | 1               | 20            |                   | By POTW           |             |                 | C               |
| Arkansas Mental Health Services | 8062 | N/A                       | RENEWED<br>3/01/03    | Y   | N        | 1               | 12            |                   | By POTW           |             |                 | C               |
| Baptist Med Center              | 8062 | N/A                       | RENEWED<br>7/01/08    | Y   | N        | 1               | 40            |                   | By POTW           |             |                 | C               |
| Darling International           | 2077 | N/A                       | RENEWED<br>8/1/08     | Y   | N        | 1               | 0             |                   | By POTW           |             |                 | Domestic Only   |
| Coca-Cola Bottling              | 2086 | N/A                       | RENEWED<br>2/01/2007  | Y   | N        | 2               | 28            |                   | By POTW           |             |                 | NC - pH         |
| Turner Coleman Dairy            | 2026 | N/A                       | RENEWED<br>10/01/2007 | Y   | N        | 1               | 51            |                   | By POTW           |             |                 | NC - pH         |
| Dusty Mop and Mat               | 7218 | N/A                       | RENEWED<br>6/1/2007   | Y   | N        | 1               | 9             |                   | By POTW           |             |                 | C               |
| George Fischer Stoane           | 3084 | N/A                       | ISSUED<br>11/1/08     | Y   | Y        | 1               | 1             |                   | By POTW           |             |                 | C               |
| Jack Wilson WTP                 | 4941 | N/A                       | RENEWED<br>2/01/08    | Y   | N        | 1               | 24            |                   | By POTW           |             |                 | C               |
| Little Rock Central Laundry     | 7218 | N/A                       | RENEWED<br>6/1/2007   | Y   | N        | 1               | 6             |                   | By POTW           |             |                 | C               |
| Little Rock City Landfill       | 5622 | N/A                       | RENEWED<br>4/01/08    | Y   | N        | 1               | 2             |                   | By POTW           |             |                 | C               |
| McClellan VA Medical Hospital   | 8062 | N/A                       | RENEWED<br>6/01/04    | Y   | N        | 1               | 24            |                   | By POTW           |             |                 | C               |
| Mountain Pure Holding, L.L.C.   | 5149 | N/A                       | RENEWED<br>12/1/2007  | Y   | Y        | 1               | 38            |                   | By POTW           |             |                 | C               |
| Odom's Tennessee Pride Sausage  | 2013 | N/A                       | RENEWED<br>10/01/2008 | Y   | N        | 1               | 26            |                   | By POTW           |             |                 | NC - pH         |
| Ozark Point WTP                 | 4941 | N/A                       | RENEWED<br>12/1/07    | Y   | N        | 1               | 26            |                   | By POTW           |             |                 | C               |
| St. Vincent/Doctors Hospital    | 8062 | N/A                       | RENEWED<br>6/01/04    | Y   | N        | 1               | 25            |                   | By POTW           |             |                 | C               |

**LITTLE ROCK WASTEWATER**

**3/11/2009**

**2008 PRETREATMENT PROGRAM STATUS REPORT**

| Facility Name           | SIC  | Categorical Determination | Control Document      |     | New User | Times Inspected | Times Sampled | Compliance Status |                   |             |                 |                 |
|-------------------------|------|---------------------------|-----------------------|-----|----------|-----------------|---------------|-------------------|-------------------|-------------|-----------------|-----------------|
|                         |      |                           | Last Action           | Y/N |          |                 |               | BMR               | 90 Day Compliance | Semi-Annual | Self Monitoring | Effluent Limits |
| Unilever                | 2099 | N/A                       | RENEWED<br>12/01/2008 | Y   | N        | 1               | 13            |                   |                   | By POTW     |                 | C               |
| Univ. of Ark Med Center | 8062 | N/A                       | RENEWED<br>2/01/08    | Y   | N        | 1               | 3             |                   |                   | By POTW     |                 | C               |

**LITTLE ROCK WASTEWATER  
2008 INDUSTRIAL USER LIST**

|                                                                               |    |
|-------------------------------------------------------------------------------|----|
| No. of Permitted IU's Classified as Federal Categoricals                      | 15 |
| No. of Permitted IU's Classified as Significant Industrial Users              | 20 |
| No. of Permitted IU's Classified as Non-Significant Industrial Users          | 14 |
| No. of Special Permits for Landfill Leachate or RSTA (hailed by tanker truck) | 5  |

Total No. of IU's Permitted by LRW **54**

**Categorical Industries**

| Facility Name                          | Classification      | Federal Cat. Standard No. | Manufacturing Process             | Total Flow (gpd) | Work Days/Month | Routine Pollutant Monitoring/Other                      |
|----------------------------------------|---------------------|---------------------------|-----------------------------------|------------------|-----------------|---------------------------------------------------------|
| Arkansas Painting and Specialties ✓    | Federal Categorical | 40 CFR 433                | Phosphate Coating                 | 18,264           | 22              | pH, Zn, CN, Ni, Cu, Pb, Cd, Cr, Ag                      |
| Cameron Valve ✓                        | Federal Categorical | 40 CFR 433                | Steel Oil Field Valves            | 29,172           | 22              | Zn, Pb, pH, Permit to discharge nonregulated wastewater |
| Central Flying Service - Little Rock ✓ | Federal Categorical | 40 CFR 433                | Aircraft Refurbishing             | 5,620            | 30              | pH, Permit to discharge nonregulated wastewater         |
| CertainTeed Corporation ✓              | Federal Categorical | 40 CFR 443                | Asphalt Rolled Roofing Production | 56,452           | 30              | TSS, O&G, pH                                            |
| Dassault Falcon Jet Corp ✓             | Federal Categorical | 40 CFR 433                | Custom Jet Aircraft               | 18,353           | 22              | Permit to discharge domestic wastewater only            |
| Essick Air Products ✓                  | Federal Categorical | 40 CFR 433                | Iron Phosphate Coating            | 11,033           | 22              | Zn, Cr, Pb, pH, Cd, CN(t), Ni, Cu, Ag                   |
| Hillcrest Camshaft Service, Inc. ✓     | Federal Categorical | 40 CFR 433                | Electroplating New Source         | 2,145            | 22              | Permit to discharge domestic wastewater only            |
| Interstate Highway Sign Company ✓      | Federal Categorical | 40 CFR 433                | Highway Signs                     | 2,666            | 22              | Cr, pH, Cu, Zn, Pb, Cd, Ni, Ag, CN(t)                   |
| LR Powder Coating ✓                    | Federal Categorical | 40 CFR 433                | Powder Coating                    | 1,400            | 22              | Permit to discharge domestic wastewater only            |
| PPG ✓                                  | Federal Categorical | 40 CFR 446                | Paint and Coating                 | 240              | 22              | Permit to discharge domestic wastewater only            |
| Progress Rail Services ✓               | Federal Categorical | 40 CFR 433                | Chrome Plating                    | 2,842            | 22              | Permit to discharge domestic wastewater only            |
| Raytheon Hawker Beechcraft ✓           | Federal Categorical | 40 CFR 433                | Custom Jet Aircraft               | 7,440            | 30              | Permit to discharge domestic wastewater only            |
| St Vincent Hospital ✓                  | Federal Categorical | 40 CFR 439                | Hospital/PETNET                   | 117,100          | 30              | COD, O&G, pH, Hg, Ag, BOD, TSS, CN(t)                   |
| Tire Cure Bladders, LLC ✓              | Federal Categorical | 40 CFR 428                | Rubber Tire Curing Bladders       | 22,163           | 30              | pH, Zn, Permit to discharge nonregulated wastewater     |
| Welspun Tubular ✓                      | Federal Categorical | 40 CFR 433<br>40 CFR 420  | Spiral Pipe and Coating           | 17,866           | 22              | Zn, Cr, Pb, pH, Cd, CN(t), Ni, Cu, Ag, TTO              |

LITTLE ROCK WASTEWATER  
2008 INDUSTRIAL USER LIST

3/16/2009

Significant Non-Categorical Industries

| Facility Name                     | Classification | Federal Cat. Standard No. | Manufacturing Process          | Total Flow (gpd) | Work Days/Month | Routine Pollutant Monitoring/Other                                                            |
|-----------------------------------|----------------|---------------------------|--------------------------------|------------------|-----------------|-----------------------------------------------------------------------------------------------|
| Ameripride Linen and Apparel ✓    | SIU            |                           | Laundry                        | 29,418           | 22              | BOD, COD, TSS, O&G, pH                                                                        |
| Arkansas Childrens Hospital ✓     | SIU            |                           | Hospital                       | 128,445          | 30              | East: COD, TSS, O&G, pH, Hg, Ag, BOD,<br>West: BOD, TSS, O&G, pH, Hg, Ag, COD                 |
| Arkansas Heart Hospital ✓         | SIU            |                           | Hospital                       | 28,457           | 20              | BOD, TSS, O&G, pH, Hg                                                                         |
| Arkansas Mental Health Services ✓ | SIU            |                           | Hospital                       | 23,457           | 30              | BOD, COD, TSS, O&G, pH                                                                        |
| Baptist Med Center ✓              | SIU            |                           | Hospital                       | 212,521          | 30              | BOD, TSS, O&G, pH, Ag, Hg                                                                     |
| Coca-Cola Bottling ✓              | SIU            |                           | Soft Drink Bottling            | 120,153          | 22              | BOD, COD, TSS, O&G, pH                                                                        |
| Coleman Dairy ✓                   | SIU            |                           | Dairy Products & Bottled Water | 108,859          | 30              | BOD, COD, TSS, O&G, pH                                                                        |
| Dusty Mop and Mat ✓               | SIU            |                           | Industrial Laundry             | 21,789           | 16              | BOD, COD, TSS, O&G, pH                                                                        |
| George F. Sloane, Inc. ✓          | SIU            |                           | Plastic Molding                | 45,815           | 30              | BOD, COD, TSS, O&G, pH                                                                        |
| Jack Wilson WTP ✓                 | SIU            |                           | Water Treatment Plant          | 101,150          | 30              | BOD, COD, TSS, O&G, pH                                                                        |
| Little Rock Central Laundry ✓     | SIU            |                           | Industrial Laundry             | 20,337           | 26              | BOD, COD, TSS, O&G, pH                                                                        |
| Little Rock Landfill ✓            | SIU            |                           | Municipal Landfill             | 29,180           | 30              | As, Cd, Cu, Cr, Pb, Ni, Mo, Hg, Ag, Se, Zn, B, Mn, pH, CN(t), volatiles, pesticides, BOD, TSS |
| McClellan VA Hospital ✓           | SIU            |                           | Hospital                       | 139,078          | 30              | COD, O&G, pH, Hg, Ag, BOD, TSS                                                                |
| Mountain Pure Holding ✓           | SIU            |                           | Fruit Juice and Water Bottling | 87,499           | 30              | BOD, COD, TSS, O&G, pH                                                                        |
| Darling International ✓           | SIU            |                           | Grease Recycling               | 1,047            | 22              | Permit to discharge domestic wastewater only                                                  |
| Odom's Tennessee Pride Sausage ✓  | SIU            |                           | Slaughter & Package Pork       | 272,408          | 22              | BOD, COD, TSS, O&G, pH                                                                        |
| Ozark Point WTP ✓                 | SIU            |                           | Water Treatment Plant          | 78,230           | 30              | BOD, COD, TSS, O&G, pH                                                                        |
| St. Vincent/Doctors Hospital ✓    | SIU            |                           | Hospital                       | 49,064           | 30              | COD, pH, Ag, Hg, BOD, TSS, O&G                                                                |
| Unilever ✓                        | SIU            |                           | Peanut Butter                  | 22,669           | 22              | BOD, COD, TSS, O&G, pH                                                                        |
| Univ. of Ark Med Center ✓         | SIU            |                           | Hospital                       | 484,624          | 30              | BOD, TSS, O&G, pH, Hg, Ag, COD                                                                |

**LITTLE ROCK WASTEWATER  
2008 INDUSTRIAL USER LIST**

**Non-Significant Industries**

| Facility Name                         | Classification | Federal Cat. Standard No. | Manufacturing Process       | Total Flow (gpd) | Work Days/Month | Routine Pollutant Monitoring/Other                     |
|---------------------------------------|----------------|---------------------------|-----------------------------|------------------|-----------------|--------------------------------------------------------|
| Arkansas Electric Cooperative         | Non-SIU        |                           | Electrical Equipment Repair | 250/Batch        | 22              | PCB's, O&G, pH, Cu, Pb, Zn                             |
| Arkansas Dust Control & Linen Service | Non-SIU        |                           | Industrial Laundry          | 2,235            | 22              | BOD, COD, TSS, O&G, pH                                 |
| BHMC- LR South Campus                 | Non-SIU        |                           | Hospital                    | 2,115            | 30              | BOD, COD, TSS, O&G, pH, Ag, Hg                         |
| BFI Landfill                          | Non-SIU        |                           | Landfill                    | 3,186            | 30              | As, Cd, Cu, Cr, Pb, Ni, Mo, Hg, Ag, Se, Zn, B, Mn, pH, |
| Clark Machinery                       | Non-SIU        |                           | Construction Equipment      | 1,108            | 22              | BOD, COD, TSS, O&G, pH, Hg                             |
| Democrat Printing and Litho           | Non-SIU        |                           | Printing Company            | 4,929            | 30              | COD, BOD, pH, TSS, O&G, Ag, Zn, Pb, Cu, Se             |
| Diamond Bear Brewing                  | Non-SIU        |                           | Beer Brewery                | 2,807            | 24              | BOD, COD, TSS, O&G, pH                                 |
| Good Old Days Foods                   | Non-SIU        |                           | Frozen Fruit Cobbler        | 5,967            | 22              | BOD, COD, TSS, O&G, pH                                 |
| Griffin Industries                    | Non-SIU        |                           | Pork Hide Drying            | 1,124            | 22              | BOD, COD, TSS, O&G, pH                                 |
| I-30 Tank Wash                        | Non-SIU        |                           | Truck Wash                  | 2,286            | 22              | BOD, COD, TSS, O&G, pH                                 |
| Martinouse Oriental Rug               | Non-SIU        |                           | Retail Rug Sales & Cleaning | 204              | 22              | BOD, COD, TSS, O&G, pH                                 |
| Phelps Fan                            | Non-SIU        |                           | Fan Manufacturer            | 5400 / Batch     | 22              | BOD, COD, TSS, O&G, pH                                 |
| Ryerson                               | Non-SIU        |                           | Metal Fabrication           | 156              | 30              | BOD, TSS, O&G, pH, Cu, Zn                              |
| Wes-Pak, Inc                          | Non-SIU        |                           | Paper Board Container       | 3,907            | 22              | Cu, pH, BOD, COD, TSS, O&G                             |

**Landfill Leachate and Restricted Short Term Authorizations (Hauled by Tanker Truck)**

| Facility Name             | Classification  | Standard No. | Process         | gal/2008     | Days/Month | Monitoring/Other                                                                 |
|---------------------------|-----------------|--------------|-----------------|--------------|------------|----------------------------------------------------------------------------------|
| Two Pine Landfill         | Special Non-SIU |              | Landfill        | 0            | 22         | As, Cd, Cu, Cr, Pb, Ni, Mo, Hg, Ag, Se, Zn, B, Mn, pH,                           |
| Jefferson County Landfill | Special Non-SIU |              | Landfill        | 0            | 22         | As, Cd, Cu, Cr, Pb, Ni, Mo, Hg, Ag, Se, Zn, B, Mn, pH,                           |
| Ozark Ridge Landfill      | Special Non-SIU |              | Landfill        | 0            | 22         | As, Cd, Cu, Cr, Pb, Ni, Mo, Hg, Ag, Se, Zn, B, Mn, pH, CN(t), O&G, Vol Pest TCLP |
| Arkansas Port Toilets     | RSTA            |              | Portable        | 6000 / Truck | N/A        | Approved domestic Only                                                           |
| Porocel                   | RSTA            |              | Mineral Milling | 3650 / Truck | 22         | Fe, Mn, Pb, Cu, Zn, TKN, NH3, BOD/COD, TSS, pH                                   |

## SUMMARY OF ANALYTICAL RESULTS

### INFLUENT AND EFFLUENT ANALYSES OF TREATMENT PLANTS

Priority Pollutant Scans were conducted on the Adams Field and Fourche Creek Wastewater Treatment Plant influent and effluent flows in accordance with our NPDES permit requirements. Compounds analyzed include metals, cyanide, phenols, volatile organics, base/neutral and acid extractable organics, and Pesticides/PCBs. Results of the analyses are organized in tables in the following order:

- AFWTP 2008 Sample Results - Includes required test data for parameters from 40 CFR Part 122, Appendix D, Table III. Sampling and testing frequency requirements for Table III parameters are quarterly (NPDES Permit AR 0021806 Part III). Influent and effluent samples were collected with respect to the detention time across the treatment plant for the sampling events. Table III parameters include total arsenic, cadmium, copper, chromium, lead, mercury, nickel, silver, selenium, zinc, antimony, thallium, beryllium, cyanide and phenols. Other parameters collected quarterly include molybdenum and oil and grease.
- FCWTP 2008 Sample Results - Includes required test data for parameters from 40 CFR Part 122, Appendix D, Table III. Sampling and testing frequency requirements for Table III parameters are quarterly (NPDES Permit AR 0040177 Part III). Influent and effluent samples were collected with respect to the detention time across the treatment plant for the sampling events. Table III parameters include total arsenic, cadmium, copper, chromium, lead, mercury, nickel, silver, selenium, zinc, antimony, thallium, beryllium, cyanide and phenols. Other parameters collected quarterly include molybdenum and oil and grease.
- Treatment Plant Removal Efficiencies - Includes the metals removal rates for both the Adams Field and Fourche Creek Wastewater Treatment Plants.
- LRWU 2008 Priority Pollutant Scan - Organic Fractions - Includes required test data from 40 CFR Part 122, Appendix D, Table II divided into two parts. The first part identifies the positive measurements of organic compounds in the influent and effluent from both treatment plants from 2008. Part II includes a summary of positive measurements from 1991 through 2008. Table II monitoring frequency for 2008 is once per year for the Fourche Creek Treatment Plant influent and effluent in accordance with the NPDES permit (NPDES Permit AR 0040177) and once per year for the Adams Field Treatment Facility NPDES permit. Monitoring was performed in August with a retest in December to confirm detection limits for some parameters. Organic fraction charts trend detections for 1991 through 2008.
- Treatment Plant 1994-2008 Concentration Trends – This section includes graphs showing influent and effluent concentration trends for the past fifteen years. Some peaks may be due to changes in test methods and detection limits.

MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT  
 REPORTING YEAR: JANUARY 1, 2008 TO DECEMBER 31, 2008

TREATMENT PLANT: CITY OF LITTLE ROCK - ADAMS FIELD WASTEWATER TREATMENT PLANT

NPDES PERMIT NO.: AR0021806

AVERAGE POTW FLOW: 25.76 MGD

PERCENT (%) IU FLOW: 8.8 %

| PLANT INFLUENT         | Flow MGD                  | O&G mg/L | CN mg/L     | Zn mg/L     | Cd mg/L | Cr mg/L | Ag mg/L | Cu mg/L | Mo mg/L | Ni mg/L | Pb mg/L | As mg/L | Se mg/L | Hg mg/L       | Phenol mg/L | Sb mg/L   | Be mg/L  | Tl mg/L  | Mn mg/L | Ba mg/L | B mg/L |  |
|------------------------|---------------------------|----------|-------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|-------------|-----------|----------|----------|---------|---------|--------|--|
|                        | EPA Test Method Used      | 1664A    | SM 2206-030 | SM 2206-030 | 200.8   | 200.8   | 200.8   | 200.8   | 200.8   | 200.8   | 200.8   | 200.8   | 200.8   | 1631E/745.7   | 420.1       | 200.7     | 200.8    | 200.8    | 200.7   | 200.7   | 200.7  |  |
|                        | Dissection Level Achieved | 5        | 0.002       | 0.007       | 0.5     | 10.0    | 0.5     | 0.5     | 8       | 0.5     | 0.5     | 0.5     | 5       | 0.0095/0.0018 | 3           | 0.05/0.06 | 0.0005   | 0.0005   | 0.002   | 0.002   | 0.1    |  |
| 1/15-16/08             | 17.65                     |          | 0.166       | 0.166       |         | 10.0    | 3.4     | 32      | 8       | 4.3     | 3.9     | 0.9     | 5       |               | 25          | < 0.050   | < 0.0005 | < 0.0005 |         |         |        |  |
| 1/22-23/08             | 20.36                     | 46.0     | < 0.002     |             |         |         |         |         |         |         |         |         |         |               | 25          |           |          |          |         |         |        |  |
| 2/12-13/08             | 36.77                     |          |             | 0.170       |         |         |         |         |         |         |         |         |         | 0.06310       |             |           |          |          |         |         |        |  |
| 3/25-26/08             | 25.85                     |          |             |             |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |  |
| 3/26-27/08             | 22.63                     |          |             | 0.121       | 0.5     | 10.0    | 2.3     | 30      | 8       | 3.7     | 3.8     | 0.5     | 5       |               |             |           |          |          |         |         |        |  |
| 4/15-16/08             | 29.30                     |          |             | 0.120       | 0.5     | 10.0    | 1.7     | 28      | 8       | 3       | 3       | 0.5     | 5       |               |             |           |          |          |         |         |        |  |
| 6/10-11/08             | 29.79                     | 40       | < 0.002     | 0.169       |         |         |         |         |         |         |         |         |         | 0.07900       | 27          |           |          |          |         |         |        |  |
| 6/24-25/08             | 21.45                     |          |             |             |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |  |
| 7/15-16/08             | 21.29                     |          |             | 0.190       | 0.1     | 10.0    | 2.9     | 46      | 8       | 5       | 4       | 1.5     | 5       |               |             |           |          |          |         |         |        |  |
| 8/13-14/08             | 18.11                     |          |             | 0.146       |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |  |
| 8/26-27/08             | 18.48                     | 79       | < 0.002     |             |         |         |         |         |         |         |         |         |         | 0.10300       | 38          |           |          |          |         |         |        |  |
| 9/16-17/08             | 25.84                     |          |             | 0.132       |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |  |
| 10/7-8/08              | 52.30                     |          |             | 0.082       | 0.5     | 10.0    | 1.6     | 22      | 8       | 6       | 7       | 1.5     | 5       |               |             |           |          |          |         | 1.2     | 0.054  |  |
| 12/1-2/08              | 16.69                     | 23       | < 0.002     |             |         |         |         |         |         |         |         |         |         | 0.06590       | 24          |           |          |          |         |         |        |  |
| <b>Average</b>         | 25.47                     | 48       | < 0.002     | 0.144       | 0.4     | 10.0    | 2.4     | 32      | 8       | 4.4     | 4.4     | 1.0     | 5       | 0.07775       | 28          | < 0.058   | < 0.0005 | < 0.0005 | 1.2     | 0.054   | < 0.1  |  |
| <b>Maximum</b>         | 52.30                     | 79       | < 0.002     | 0.190       | 0.5     | 10.0    | 3.4     | 46      | 8       | 5.7     | 7.2     | 1.5     | 5       | 0.10300       | 38          | < 0.060   | < 0.0005 | < 0.0005 | 1.2     | 0.054   | < 0.1  |  |
| <b>Minimum</b>         | 16.69                     | 23.0     | < 0.002     | 0.082       | 0.1     | 10.0    | 1.6     | 22      | 8       | 3.2     | 3.1     | 0.5     | 5       | 0.06310       | 24          | < 0.050   | < 0.0005 | < 0.0005 | 1.2     | 0.054   | < 0.1  |  |
| <b>Headworks limit</b> |                           |          | 0.09        | 0.360       | 9.0     | 260.0   | 180.0   | 270     |         | 160     | 50      | 140     | 10      | 0.2           |             |           |          |          |         |         |        |  |

**MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT**  
**REPORTING YEAR: JANUARY 1, 2008 TO DECEMBER 31, 2008**

TREATMENT PLANT: CITY OF LITTLE ROCK - ADAMS FIELD WASTEWATER TREATMENT PLANT

NPDES PERMIT NO.: AR0021806

AVERAGE POTW FLOW: 25.76 MGD

PERCENT (%) IU FLOW: 8.8 %

| FINAL EFFLUENT           | Flow MGD | O&G mg/L | CN <sub>5</sub> mg/L | Zn mg/L      | Cd mg/L | Cr mg/L | Ag mg/L | Cu mg/L | Mo mg/L | Ni mg/L | Pb mg/L | As mg/L | Se mg/L | Hg mg/L       | Phenol mg/L | Sb mg/L   | Be mg/L  | Tl mg/L  | Mn mg/L | Ba mg/L | B mg/L |
|--------------------------|----------|----------|----------------------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|-------------|-----------|----------|----------|---------|---------|--------|
| EPA Test Method Used     | 1664A    | 5        | SN2005-0500 C&E      | SN2005-1111B | 200.8   | 200.8   | 200.8   | 200.8   | 200.8   | 200.8   | 200.8   | 200.8   | 200.8   | 1631E/245.7   | 420.1       | 200.7     | 200.8    | 200.8    | 200.7   | 200.7   | 200.7  |
| Detection Level Achieved |          |          | 0.002                | 0.007        | 0.5     | 10.0    | 0.5     | 0.5     | 8-1m    | 0.5     | 0.5     | 0.5     | 5-1m    | 0.0005/0.0018 | 3           | 0.05/0.06 | 0.0005   | 0.001    | 0.002   | 0.002   | 0.1    |
| 1/15-16/08               | 17.20    |          |                      | 0.031        |         |         |         |         |         |         |         |         |         |               |             | < 0.050   |          |          |         |         |        |
| 1/22-23/08               | 19.66    | < 5.0    | < 0.002              |              |         |         |         |         |         |         |         |         |         |               | 7           |           |          |          |         |         |        |
| 2/12-13/08               | 35.90    |          |                      | 0.040        |         |         |         |         |         |         |         |         |         | 0.00507       |             |           |          |          |         |         |        |
| 3/25-26/08               | 24.63    |          |                      |              |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |
| 3/26-27/08               | 21.46    |          |                      |              |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |
| 4/15-16/08               | 27.03    |          |                      |              |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |
| 6/10-11/08               | 25.37    | < 5.0    | < 0.002              |              |         |         |         |         |         |         |         |         |         |               | 10          |           |          |          |         |         |        |
| 6/24-25/08               | 19.31    |          |                      | 0.037        |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |
| 7/15-16/08               | 18.98    |          |                      |              |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |
| 8/13-14/08               | 15.20    |          |                      | 0.041        |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |
| 8/26-27/08               | 16.57    | < 5.0    | < 0.002              |              |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |
| 9/16-17/08               | 23.45    |          |                      | 0.044        |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |
| 10/7-8/08                | 44.07    |          |                      |              |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |
| 12/1-2/08                | 14.69    | < 5.0    | < 0.002              |              |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |
| Average                  | 23.11    | < 5.0    | < 0.002              | 0.038        | < 0.5   | < 10.0  | < 0.5   | 4.8     | < 8     | 2.8     | 0.7     | < 0.5   | < 5     | 0.00468       | 6           | < 0.058   | < 0.0005 | < 0.0005 | 0.3     | 0.019   | < 0.1  |
| Maximum                  | 44.07    | < 5.0    | < 0.002              | 0.044        | < 0.5   | < 10.0  | < 0.5   | 5.8     | < 8     | 3.0     | 1.0     | < 0.5   | < 5     | 0.00565       | 10          | < 0.060   | < 0.0005 | < 0.0005 | 0.3     | 0.019   | < 0.1  |
| Minimum                  | 14.69    | < 5.0    | < 0.002              | 0.031        | < 0.5   | < 10.0  | < 0.5   | 3.6     | < 8     | 2.5     | < 0.5   | < 0.5   | < 5     | 0.00310       | 3           | < 0.050   | < 0.0005 | < 0.0005 | 0.3     | 0.019   | < 0.1  |
| WQS Effluent Level       |          |          |                      |              |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |
| Day Max.                 |          |          | 0.058                | 1.700        | 54.0    | 11200.0 | 570     | 214     |         | 4990    | 198     | 2380    | 56      | 0.1           |             |           |          |          |         |         |        |
| Month Avg.               |          |          | 0.029                | 0.850        | 27.0    | 5590.0  | 280     | 106     |         | 2490    | 98      | 1190    | 28      | 0.07          |             |           |          |          |         |         |        |



**MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT**  
**REPORTING YEAR: JANUARY 1, 2008 TO DECEMBER 31, 2008**

**TREATMENT PLANT: CITY OF LITTLE ROCK - FOURCHE CREEK WASTEWATER TREATMENT PLANT**

**NPDES PERMIT NO.: AR0040177**

**AVERAGE POTW FLOW: 10.03 MGD**

**PERCENT (%) IU FLOW: 5.5 %**

| PLANT INFLUENT  | Flow MGD                 | O&G mg/L | CN <sub>5</sub> mg/L | Zn mg/L     | Cd μg/L | Cr μg/L | Ag μg/L | Cu μg/L | Mo μg/L | Ni μg/L | Pb μg/L | As μg/L | Se μg/L | Hg μg/L | Phenol μg/L | Sb mg/L   | Be mg/L    | Tl mg/L    | Mn mg/L | Ba mg/L   | B mg/L |  |
|-----------------|--------------------------|----------|----------------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|-----------|------------|------------|---------|-----------|--------|--|
|                 | EPA Test Method Used     | 1664A    | SN200-2000 CAE       | SM200-3111B | 200.8   | 200.8   | 200.8   | 200.8   | 200.8   | 200.8   | 200.8   | 200.8   | 200.8   | 1631E   | 420.1       | 200.7     | 200.8      | 200.8      | 200.7   | 200.7     | 200.7  |  |
|                 | Detection Level Achieved | 5        | 0.002                | 0.007       | 0.5     | 10.0    | 0.5     | 0.5     | 8       | 0.5     | 0.5     | 0.5     | 5       | 0.0005  | 3           | 0.05/0.06 | 0.0005     | 0.001      | 0.002   | 0.002     | 0.1    |  |
| 1/15-16/08      | 8.24                     |          |                      | 0.150 <     | 0.5 <   | 10.0    | 1.0     | 27 <    | 8       | 5.8     | 2.2     | 0.52 <  | 5       |         |             | < 0.050 < | < 0.0005 < | < 0.0005 < |         |           |        |  |
| 1/22-23/08      | 7.55                     | 47.0 <   | 0.002                |             |         |         |         |         |         |         |         |         |         |         | 76          |           |            |            |         |           |        |  |
| 2/12-13/08      | 18.11                    |          |                      | 0.298       |         |         |         |         |         |         |         |         |         | 0.0252  |             |           |            |            |         |           |        |  |
| 3/25-26/08      | 8.16                     |          |                      |             |         |         |         |         |         |         |         |         |         |         |             |           |            |            |         |           |        |  |
| 03/26-27/08     | 10.11                    |          |                      | 0.145       |         |         |         |         |         |         |         |         |         |         |             |           |            |            |         |           |        |  |
| 4/15-16/08      | 10.54                    |          |                      | 0.130 <     | 0.5 <   | 10.0 <  | 0.5     | 28 <    | 8       | 5.1     | 33.0 <  | 0.5 <   | 5       |         |             | < 0.060 < | < 0.0005 < | < 0.0005 < |         |           |        |  |
| 6/10-11/08      | 6.56                     | 40.0 <   | 0.002                |             |         |         |         |         |         |         |         |         |         | 0.0430  | 60          |           |            |            |         |           |        |  |
| 6/24-25/08      | 5.43                     |          |                      | 0.171       |         |         |         |         |         |         |         |         |         |         |             |           |            |            |         |           |        |  |
| 7/15-16/08      | 4.82                     |          |                      | 0.200 <     | 0.5 <   | 10.0    | 1.1     | 53 <    | 8       | 9.1     | 7.7 <   | 0.5 <   | 5       |         |             | < 0.060 < | < 0.0005 < | < 0.0005 < |         |           |        |  |
| 8/13-14/08      | 10.63                    |          |                      | 0.169       |         |         |         |         |         |         |         |         |         |         |             |           |            |            |         |           |        |  |
| 8/26-27/08      | 10.97                    | 91.0 <   | 0.002                |             |         |         |         |         |         |         |         |         |         | 0.0581  | 50          |           |            |            |         |           |        |  |
| 9/16-17/08      | 10.59                    |          |                      | 0.087       |         |         |         |         |         |         |         |         |         |         |             |           |            |            |         |           |        |  |
| 10/9-10/08      | 11.69                    |          |                      | 0.120       |         |         |         |         |         |         |         |         |         |         |             |           |            |            |         |           |        |  |
| 12/1-2/08       | 9.48                     | 62.0 <   | 0.002                |             |         |         |         |         |         |         |         |         |         |         |             |           |            |            |         |           |        |  |
| Average         | 9.49                     | 60.0 <   | 0.002                | 0.163       | 0.5 <   | 10.0    | 1.3     | 35 <    | 8       | 6.9     | 12.3    | 0.7 <   | 5       | 0.0613  | 58          | < 0.058 < | < 0.0005 < | < 0.001 <  | 0.78 <  | < 0.042 < | 0.1    |  |
| Maximum         | 18.11                    | 91.0 <   | 0.002                | 0.298       | 0.5 <   | 10.0    | 2.4     | 53 <    | 8       | 9.1     | 33.0    | 1.4 <   | 5       | 0.1190  | 76          | < 0.060 < | < 0.0005 < | < 0.001 <  | 0.78 <  | < 0.042 < | 0.1    |  |
| Minimum         | 4.82                     | 40.0 <   | 0.002                | 0.087 <     | 0.5 <   | 10.0 <  | 0.5     | 27 <    | 8       | 5.1     | 2.2 <   | 0.5 <   | 5       | 0.0252  | 45          | < 0.050 < | < 0.0005 < | < 0.001 <  | 0.78 <  | < 0.042 < | 0.1    |  |
| Headworks limit |                          |          | 0.09                 | 0.360       | 9.0     | 260.0   | 180.0   | 270     |         | 160     | 50      | 14      | 10      | 0.20    |             |           |            |            |         |           |        |  |

**MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT**  
**REPORTING YEAR: JANUARY 1, 2008 TO DECEMBER 31, 2008**

TREATMENT PLANT: CITY OF LITTLE ROCK - FOURCHE CREEK WASTEWATER TREATMENT PLANT

NPDES PERMIT NO.: AR0040177

AVERAGE POTW FLOW: 10.03 MGD

PERCENT (%) IU FLOW: 5.5 %

| FINAL EFFLUENT             | Flow MGD | O&G mg/L | CN mg/L | Zn mg/L | Cd µg/L | Cr µg/L | Ag µg/L | Cu µg/L | Mo µg/L | Ni µg/L | Pb µg/L | As µg/L | Se µg/L | Hg µg/L       | Phenol µg/L | Sb mg/L   | Be mg/L  | Tl mg/L  | Mn mg/L | Ba mg/L | B mg/L |  |
|----------------------------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|-------------|-----------|----------|----------|---------|---------|--------|--|
| EPA Test Method Used 1664A |          |          |         |         |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |  |
| Detection Level Achieved   |          |          |         |         |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |  |
| 1/15-16/08                 | 10.38    | < 5      | 0.002   | 0.007   | 0.5     | 10.0    | 0.5     | 0.5     | 8       | 0.5     | 0.5     | 0.5     | 5-Jan   | 0.0005/0.0018 | 3           | 0.05/0.06 | 0.0005   | 0.0005   | 0.002   | 0.002   | 0.1    |  |
| 1/22-23/08                 | 9.80     | < 5.0    | 0.011   | 0.011   | < 0.5   | < 10.0  | < 0.5   | 5.6     | < 8     | 4.4     | 2.30    | < 0.5   | < 5     |               |             | < 0.050   | < 0.0005 | < 0.0005 |         |         |        |  |
| 2/12-13/08                 | 25.20    |          |         | 0.038   |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |  |
| 3/25-26/08                 | 10.48    |          |         |         |         |         |         |         |         |         |         |         |         | 0.0044        |             |           |          |          |         |         |        |  |
| 03/27/2008                 | 11.70    |          |         | 0.028   |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |  |
| 4/15-16/08                 | 12.67    |          |         | 0.031   | < 0.5   | < 10.0  | < 0.5   | 2.7     | < 8     | 3.8     | < 0.50  | < 0.5   | < 5     |               |             | < 0.060   | < 0.0005 | < 0.0005 |         |         |        |  |
| 6/10-11/08                 | 7.06     | < 5.0    | 0.016   |         |         |         |         |         |         |         |         |         |         | 0.0041        | 16          |           |          |          |         |         |        |  |
| 6/24-25/08                 | 6.01     |          |         | 0.045   |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |  |
| 7/15-16/08                 | 5.85     |          |         | 0.077   | < 0.5   | < 10.0  | < 0.5   | 4.4     | < 8     | 7.2     | 0.62    | < 0.5   | < 5     |               |             | < 0.060   | < 0.0005 | < 0.0005 |         |         |        |  |
| 8/12-13/08                 | 12.12    |          |         | 0.027   |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |  |
| 8/26-27/08                 | 12.93    | < 5.0    | 0.006   |         |         |         |         |         |         |         |         |         |         | 0.0035        | 15          |           |          |          |         |         |        |  |
| 9/16-17/08                 | 13.10    |          |         | 0.047   |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         | 0.15    | 0.18   |  |
| 10/7-8/08                  | 28.24    |          |         |         | < 0.5   | < 10.0  | < 0.5   | 4.3     | < 8     | 4.3     | 0.82    | < 0.5   | < 5     |               |             | < 0.060   | < 0.0005 | < 0.0005 |         |         |        |  |
| 12/1-2/08                  | 9.32     | < 5.0    | 0.007   |         |         |         |         |         |         |         |         |         |         | 0.0021        | 6           |           |          |          |         |         |        |  |
| <b>Average</b>             | 12.49    | < 5.0    | 0.010   | 0.038   | < 0.5   | < 10.0  | < 0.5   | 4       | < 8     | 4.9     | 1.06    | < 0.5   | < 5     | 0.0035        | 12          | < 0.058   | < 0.0005 | < 0.0005 | 0.15    | 0.018   | 0.16   |  |
| <b>Maximum</b>             | 28.24    | < 5.0    | 0.016   | 0.077   | < 0.5   | < 10.0  | < 0.5   | 6       | < 8     | 7.2     | 2.30    | < 0.5   | < 5     | 0.0044        | 16          | < 0.060   | < 0.0005 | < 0.0005 | 0.15    | 0.018   | 0.16   |  |
| <b>Minimum</b>             | 5.85     | < 5.0    | 0.006   | 0.011   | < 0.5   | < 10.0  | < 0.5   | 3       | < 8     | 3.8     | < 0.50  | < 0.5   | < 5     | 0.0021        | 6           | < 0.050   | < 0.0005 | < 0.0005 | 0.15    | 0.018   | 0.16   |  |
| <b>WQS Effluent Level</b>  |          |          |         |         |         |         |         |         |         |         |         |         |         |               |             |           |          |          |         |         |        |  |
| <b>Day Max.</b>            |          |          | 0.116   | 4.94    | 107     | 23500   | 165     | 619     |         | 9980    | 395     | 6900    | 112     | 0.27          |             |           |          |          |         |         |        |  |
| <b>Month Avg.</b>          |          |          | 0.058   | 2.46    | 53      | 11700   | 82      | 309     |         | 4980    | 197     | 3440    | 56      | 0.14          |             |           |          |          |         |         |        |  |

**MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT**  
**TREATMENT PLANT PERCENT REMOVAL EFFICIENCIES**  
**REPORTING YEAR: JANUARY 1, 2008 TO DECEMBER 31, 2008**

**Adams Field Wastewater Treatment Plant - NPDES Permit No. AR0021806**

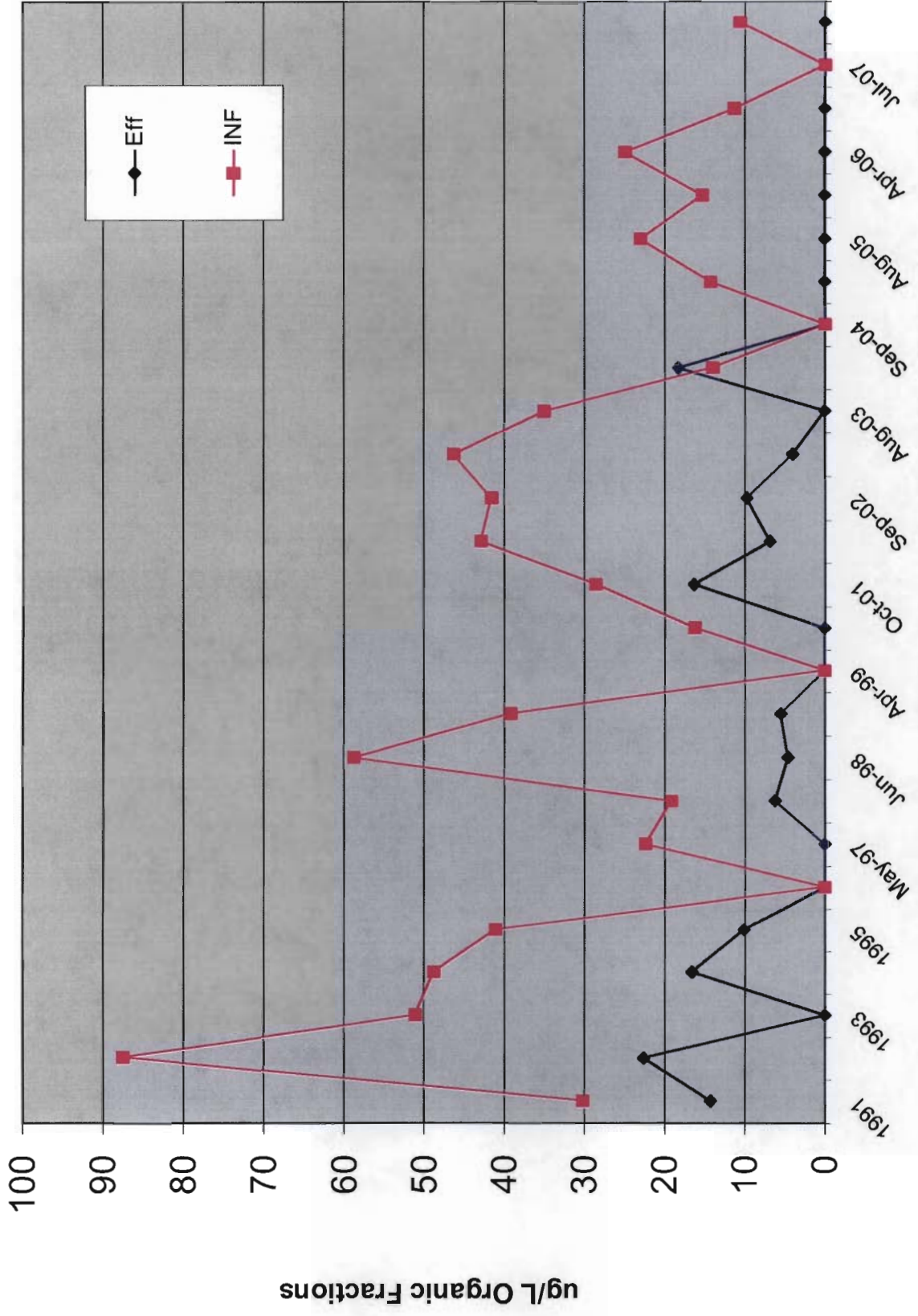
|            | O&G   | CN-  | Zn    | Cd      | Cr   | Ag    | Cu    | Mo   | Ni    | Pb    | Au    | Se   | Hg    | Phenol | Sb   | Be   | Tl   | Mn   | Ba   | B     |
|------------|-------|------|-------|---------|------|-------|-------|------|-------|-------|-------|------|-------|--------|------|------|------|------|------|-------|
| 1/15-16/08 |       |      | 81.3% |         |      |       |       |      |       |       |       |      |       |        | 0.0% |      |      |      |      |       |
| 1/22-23/08 | 89.1% | 0.0% |       |         |      |       |       |      |       |       |       |      |       | 72.0%  |      |      |      |      |      |       |
| 2/12-13/08 |       |      | 76.5% |         |      |       |       |      |       |       |       |      |       |        |      |      |      |      |      |       |
| 3/25-26/08 |       |      |       |         |      |       |       |      |       |       |       |      | 92.0% |        |      |      |      |      |      |       |
| 3/26-27/08 |       |      |       | 0.0%    | 0.0% | 78.3% | 83.7% | 0.0% | 24.3% | 82.1% | 0.0%  | 0.0% |       |        | 0.0% |      |      |      |      | 0.0%  |
| 4/15-16/08 |       |      |       | 0.0%    | 0.0% | 70.6% | 79.3% | 0.0% | 21.9% | 76.5% | 0.0%  | 0.0% |       |        | 0.0% |      |      |      |      | 0.0%  |
| 6/10-11/08 | 87.5% | 0.0% |       |         |      |       |       |      |       |       |       |      | 92.8% | 63.0%  |      |      |      |      |      |       |
| 6/24-25/08 |       |      | 78.1% |         |      |       |       |      |       |       |       |      |       |        |      |      |      |      |      |       |
| 7/15-16/08 |       |      | 83.7% | -400.0% | 0.0% | 82.8% | 92.2% | 0.0% | 44.5% | 87.8% | 66.7% | 0.0% |       |        | 0.0% |      |      |      |      | 0.0%  |
| 8/13-14/08 |       |      | 71.9% |         |      |       |       |      |       |       |       |      |       |        |      |      |      |      |      |       |
| 8/26-27/08 | 91.7% | 0.0% |       |         |      |       |       |      |       |       |       |      | 95.2% | 92.1%  |      |      |      |      |      | 75.0% |
| 9/16-17/08 |       |      | 66.7% |         |      |       |       |      |       |       |       |      |       |        |      |      |      |      |      | 64.8% |
| 10/7-8/08  |       |      | 53.7% |         |      |       |       |      |       |       |       |      |       |        |      |      |      |      |      | 0.0%  |
| 12/1-2/08  | 80.0% | 0.0% |       |         |      |       |       |      |       |       |       |      | 95.3% | 87.5%  |      |      |      |      |      | 0.0%  |
| Average    | 87.6% | 0.0% | 72.4% | -100.0% | 0.0% | 75.1% | 83.2% | 0.0% | 34.6% | 83.1% | 33.3% | 0.0% | 93.8% | 78.6%  | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 75.0% |

**Fourche Creek Wastewater Treatment Plant - NPDES Permit No. AR0040177**

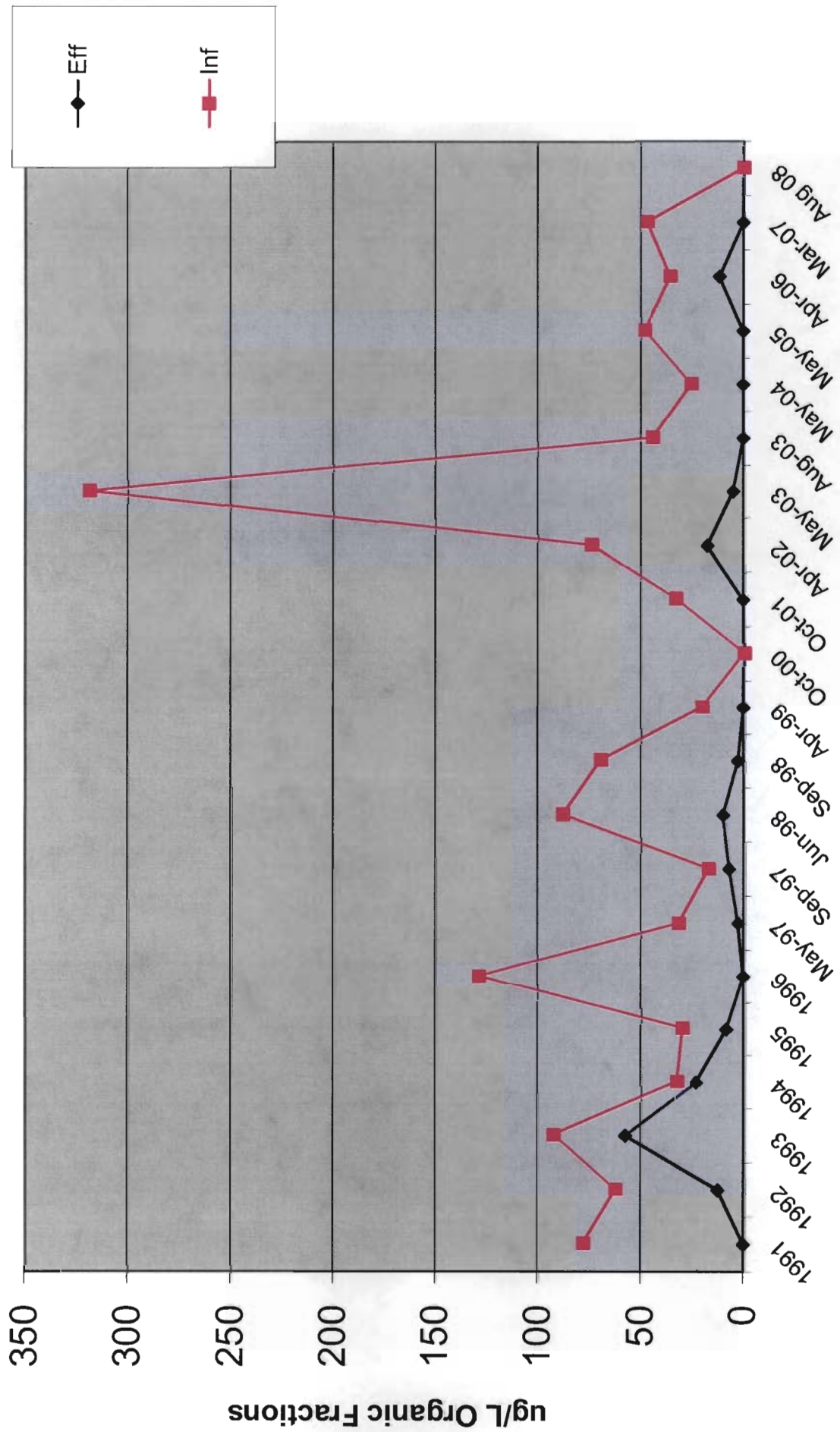
|             | O&G   | CN-     | Zn    | Cd   | Cr   | Ag    | Cu    | Mo   | Ni    | Pb    | Au    | Se   | Hg    | Phenol | Sb   | Be   | Tl   | Mn   | Ba   | B     |
|-------------|-------|---------|-------|------|------|-------|-------|------|-------|-------|-------|------|-------|--------|------|------|------|------|------|-------|
| 1/15-16/08  |       |         | 92.7% | 0.0% | 0.0% | 50.0% | 79.3% | 0.0% | 24.1% | -4.5% | 3.8%  | 0.0% |       |        | 0.0% |      |      |      |      |       |
| 1/22-23/08  | 89.4% | -450.0% |       |      |      |       |       |      |       |       |       |      |       | 88.2%  |      |      |      |      |      |       |
| 2/12-13/08  |       |         | 87.2% |      |      |       |       |      |       |       |       |      |       |        |      |      |      |      |      |       |
| 3/25-26/08  |       |         |       |      |      |       |       |      |       |       |       |      | 82.5% |        |      |      |      |      |      |       |
| 03/26-27/08 |       |         | 80.7% |      |      |       |       |      |       |       |       |      |       |        |      |      |      |      |      |       |
| 4/15-16/08  |       |         | 76.2% | 0.0% | 0.0% | 0.0%  | 90.4% | 0.0% | 25.5% | 98.5% | 0.0%  | 0.0% |       |        | 0.0% |      |      |      |      | 0.0%  |
| 6/10-11/08  | 87.5% | -700.0% |       |      |      |       |       |      |       |       |       |      | 90.5% | 73.3%  |      |      |      |      |      |       |
| 6/24-25/08  |       |         | 73.7% |      |      |       |       |      |       |       |       |      |       |        |      |      |      |      |      |       |
| 7/15-16/08  |       |         | 61.5% | 0.0% | 0.0% | 54.5% | 91.7% | 0.0% | 20.9% | 91.9% | 0.0%  | 0.0% |       |        | 0.0% |      |      |      |      |       |
| 8/13-14/08  |       |         | 84.0% |      |      |       |       |      |       |       |       |      |       |        |      |      |      |      |      |       |
| 8/26-27/08  | 94.5% | -200.0% |       |      |      |       |       |      |       |       |       |      | 95.9% | 70.0%  |      |      |      |      |      |       |
| 9/16-17/08  |       |         | 46.0% |      |      |       |       |      |       |       |       |      |       |        |      |      |      |      |      |       |
| 10/9-10/08  |       |         |       | 3.8% | 0.0% | 79.2% | 86.6% | 0.0% | 43.4% | 87.0% | 64.3% | 0.0% |       |        | 0.0% |      |      |      |      | 80.8% |
| 12/1-2/08   | 91.9% | -250.0% |       |      |      |       |       |      |       |       |       |      | 98.2% | 86.7%  |      |      |      |      |      |       |
| Average     | 90.8% | -400.0% | 75.2% | 1.0% | 0.0% | 45.9% | 87.0% | 0.0% | 28.5% | 68.2% | 17.0% | 0.0% | 91.3% | 79.5%  | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 80.8% |



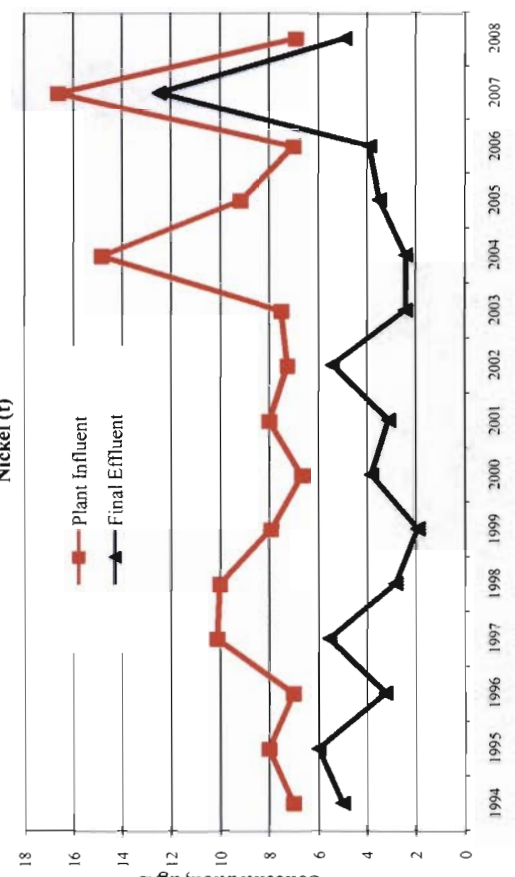
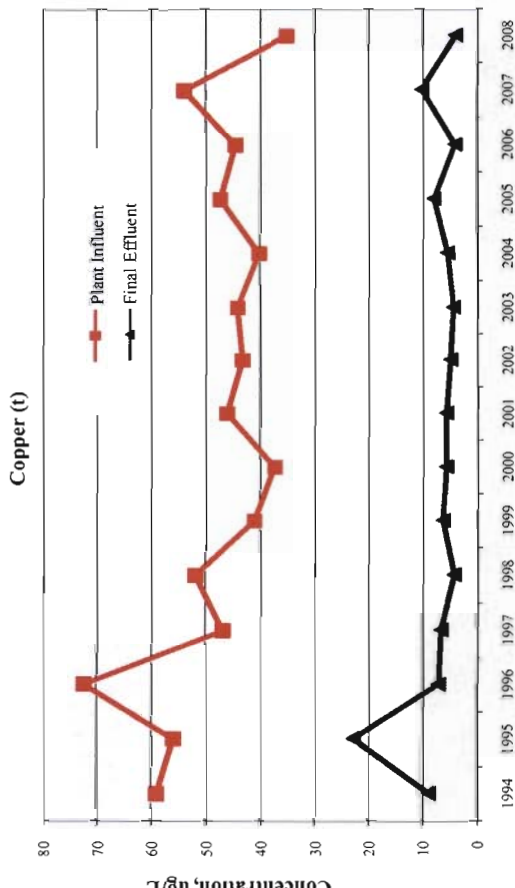
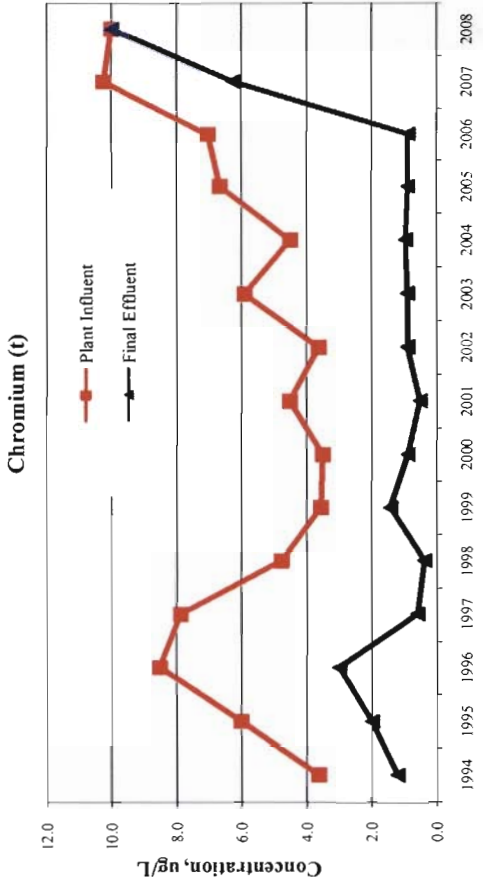
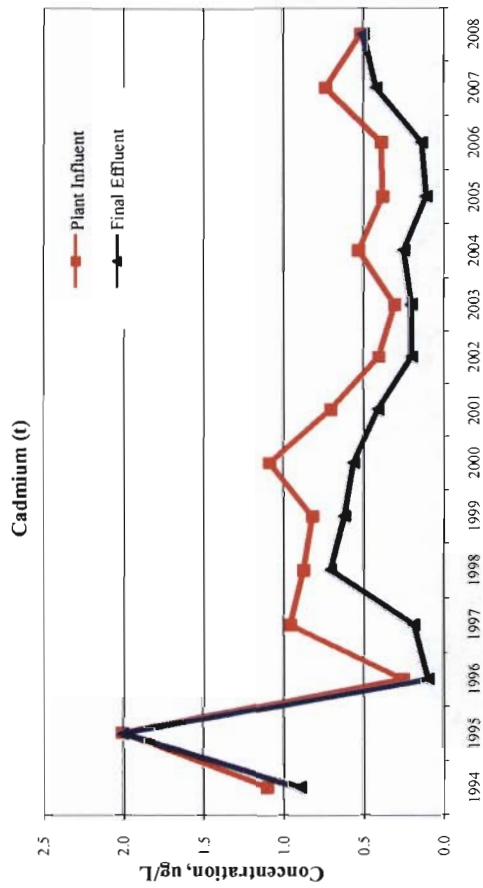
# Adams Field WWTP



# Fourche Creek WWTP



**LITTLE ROCK WASTEWATER  
ENVIRONMENTAL ASSESSMENT DIVISION  
FOURCHE CREEK TREATMENT PLANT CONCENTRATION TRENDS  
1994 THROUGH 2008**

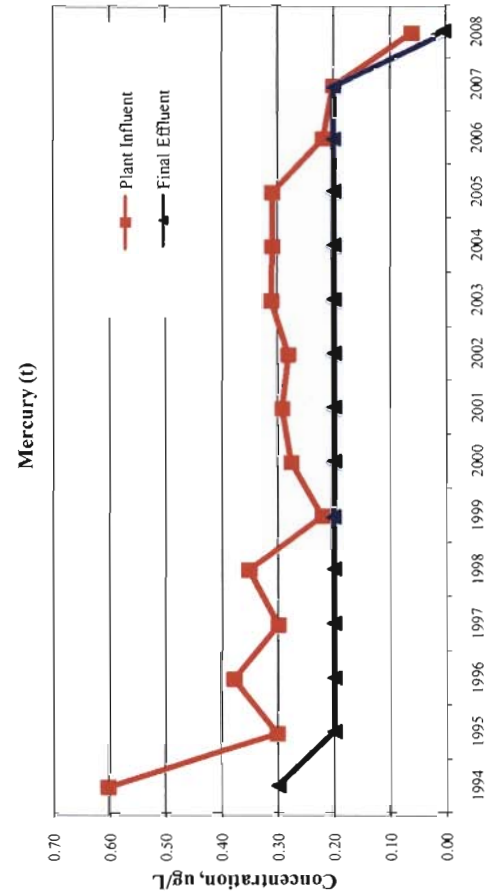
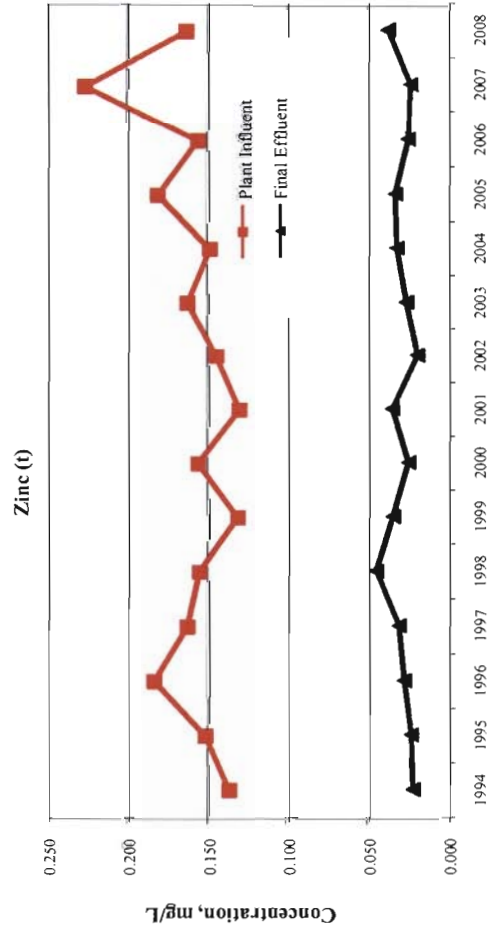
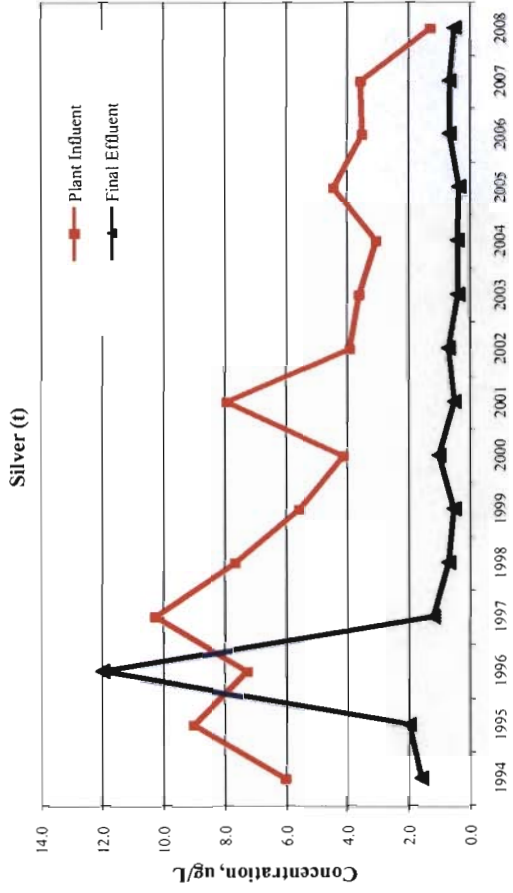
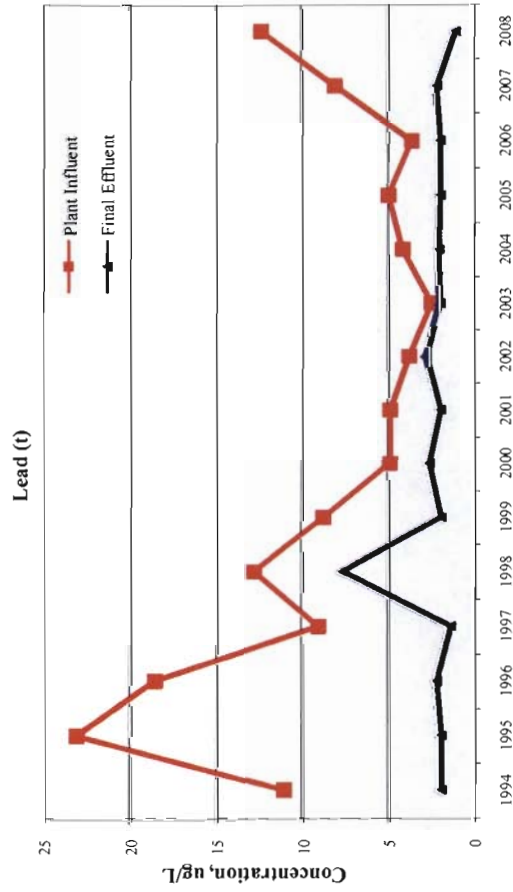


**Influent Headworks Limit  
Effluent Water Quality Criteria**

| Concentration (ug/L) | Chromium (t) | Nickel (t) |
|----------------------|--------------|------------|
| 270 ug/L             | 260 ug/L     | 160 ug/L   |
| 395 ug/L             | 11,700 ug/L  | 4,980 ug/L |

**Cadmium(t)  
9 ug/L  
53 ug/L**

**LITTLE ROCK WASTEWATER  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 FOURCHE CREEK TREATMENT PLANT CONCENTRATION TRENDS  
 1994 THROUGH 2008**



**Influent Headworks Limit**  
**Effluent Water Quality Criteria**

**Lead (t)**  
 50 ug/L  
 197 ug/L

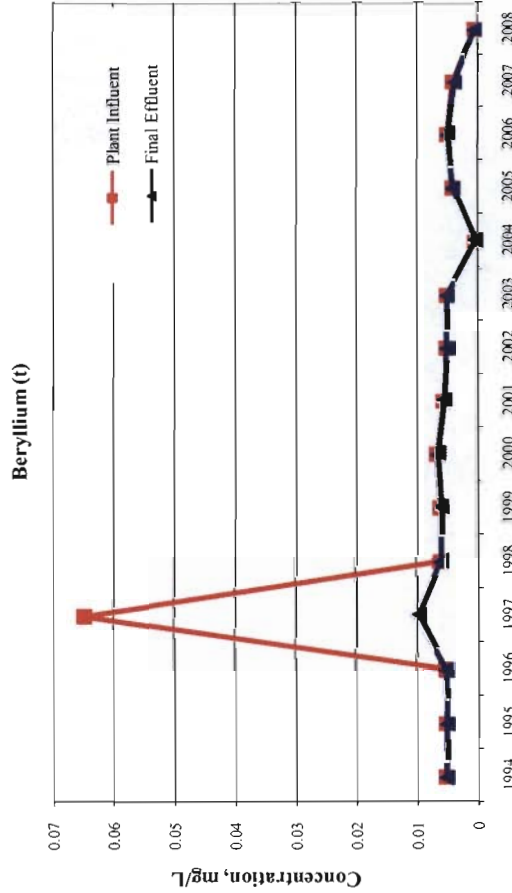
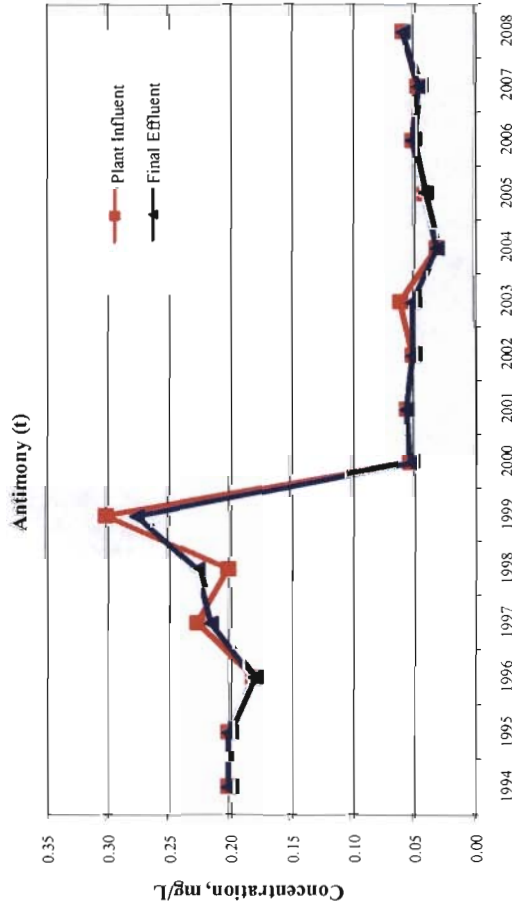
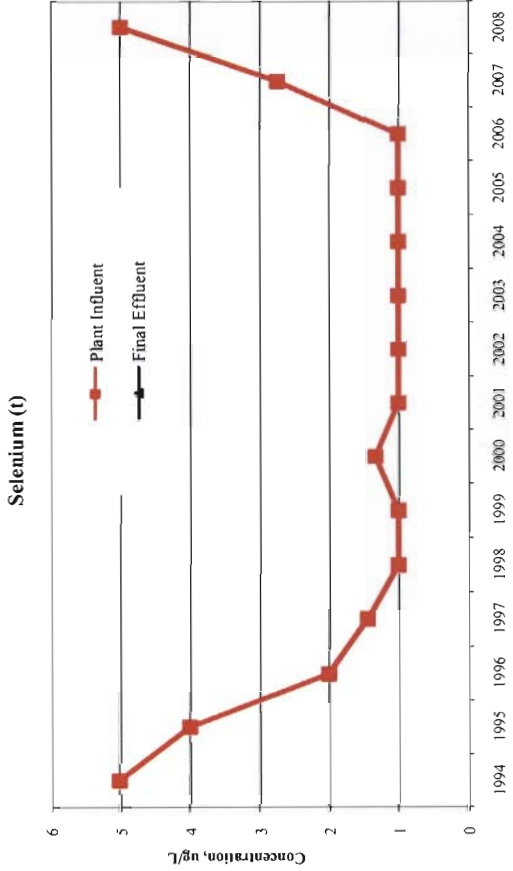
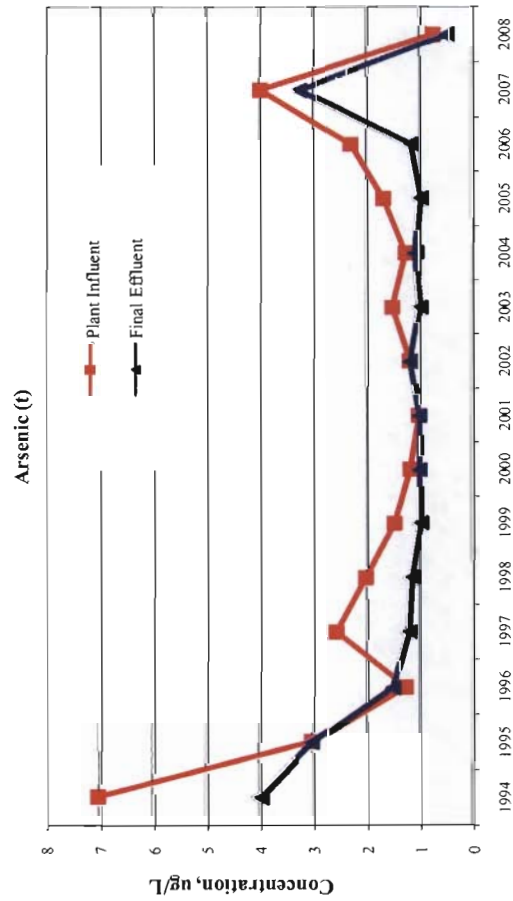
**Zinc(t)**  
 0.36 mg/L  
 2.46 mg/L

**Silver(t)**  
 180 ug/L  
 56 ug/L

**Mercury(t)**  
 0.2 ug/L  
 0.14 ug/L

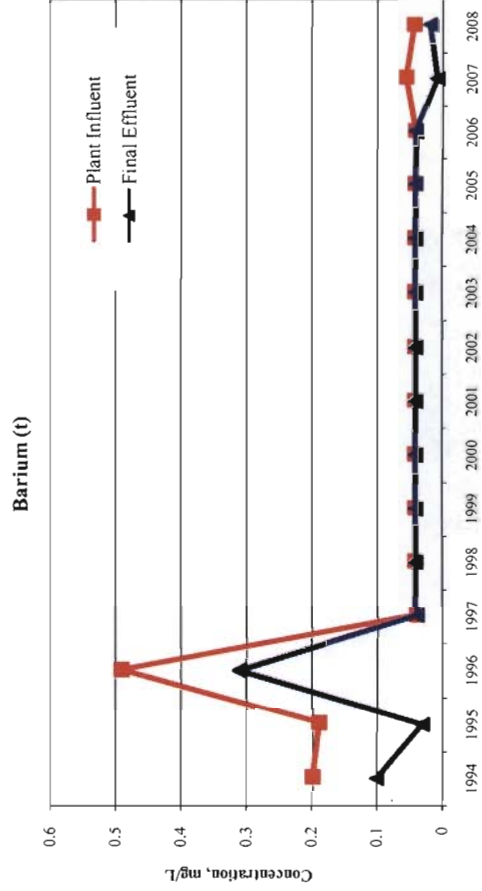
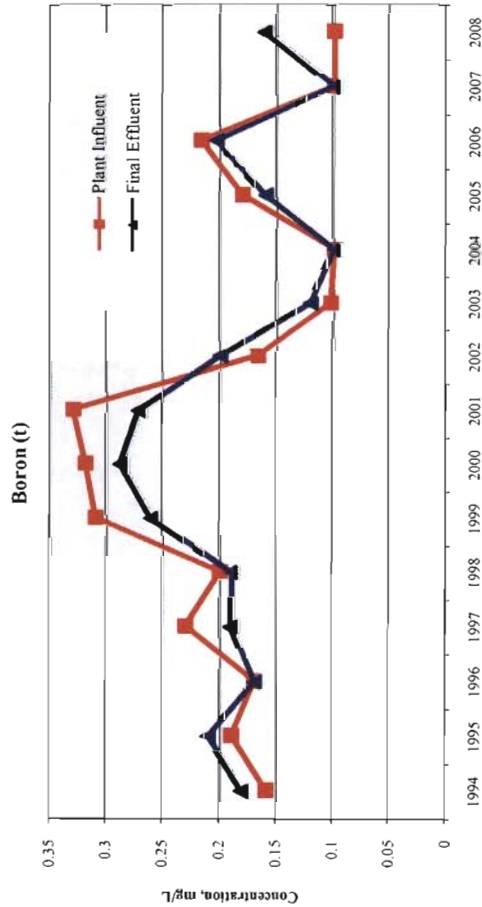
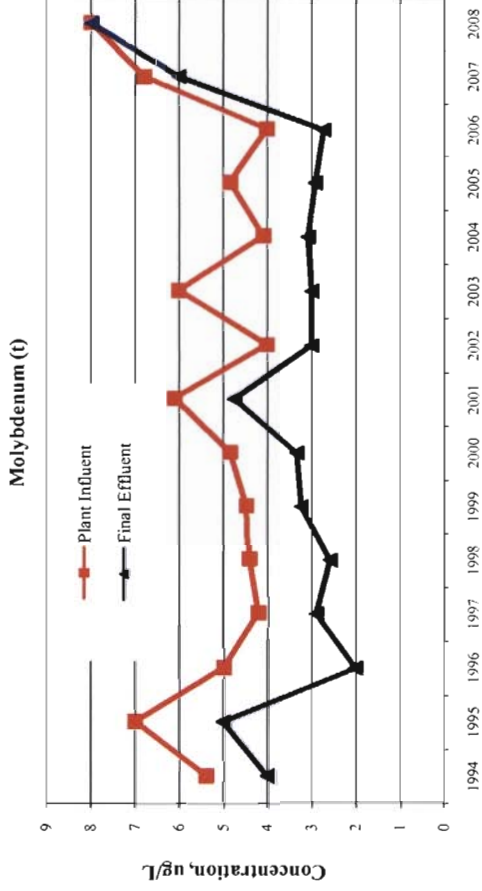
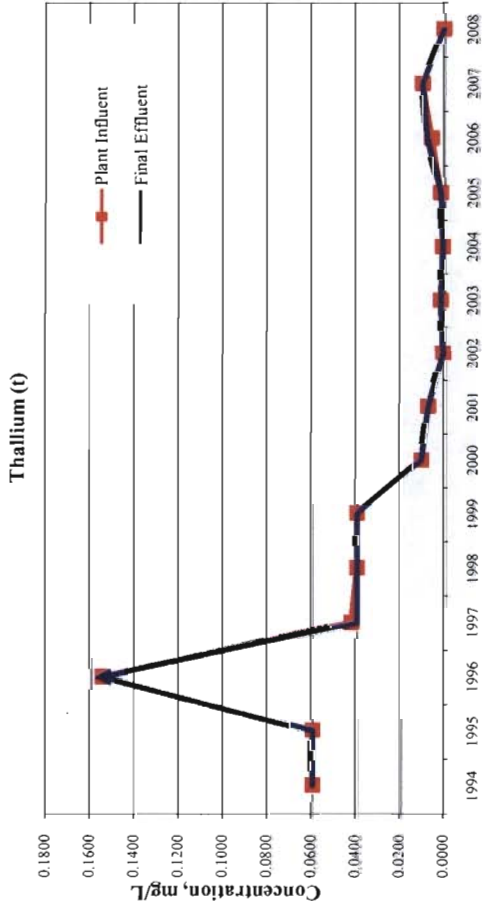


**LITTLE ROCK WASTEWATER  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 FOURCHE CREEK TREATMENT PLANT CONCENTRATION TRENDS  
 1994 THROUGH 2008**



|                                 | Arsenic (t) | Antimony (t) | Selenium (t) | Beryllium (t) |
|---------------------------------|-------------|--------------|--------------|---------------|
| Influent Headworks Limit        | 14 ug/L     | None         | 10 ug/L      | None          |
| Effluent Water Quality Criteria | 3,440 ug/L  | None         | 56 ug/L      | None          |

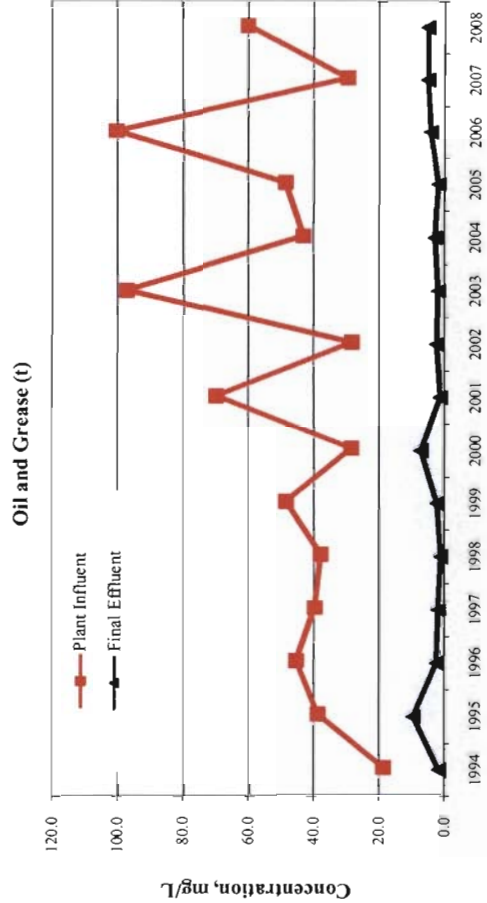
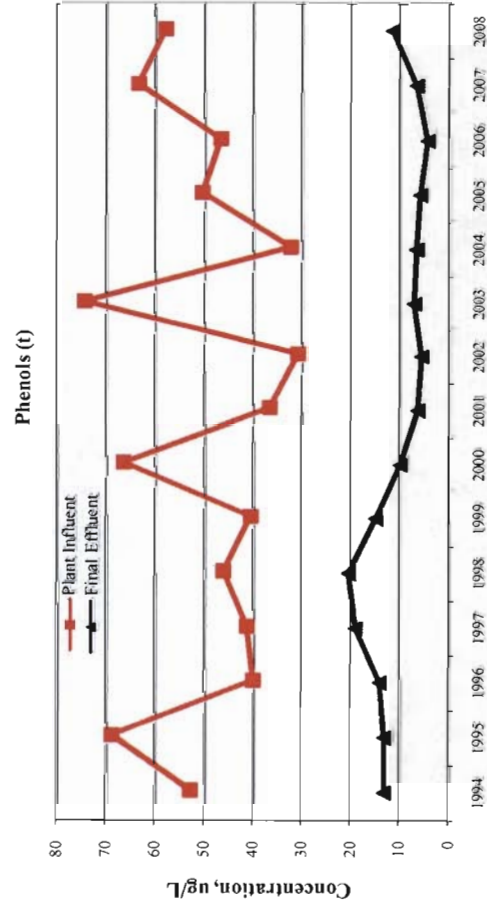
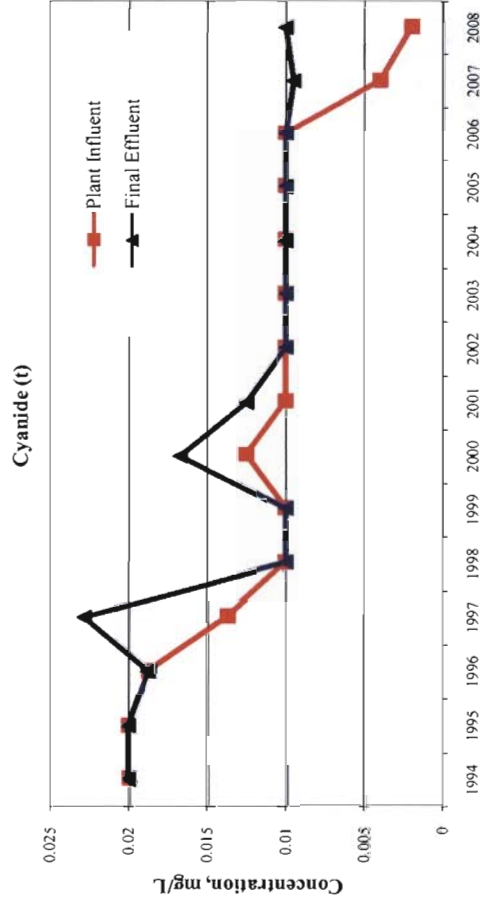
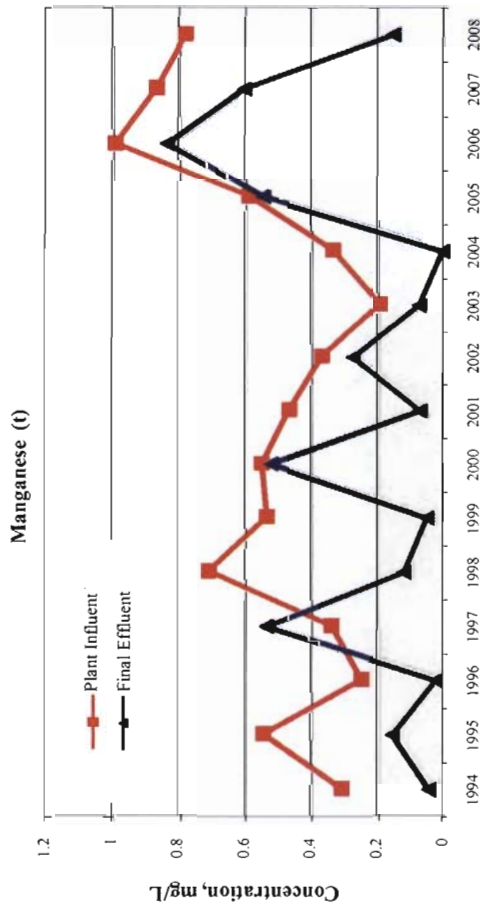
**LITTLE ROCK WASTEWATER  
ENVIRONMENTAL ASSESSMENT DIVISION  
FOURCHE CREEK TREATMENT PLANT CONCENTRATION TRENDS  
1994 THROUGH 2008**



**Influent Headworks Limit  
Effluent Water Quality Criteria**

| Thallium (t) | Boron (t) | Molybdenum(t) | Barium(t) |
|--------------|-----------|---------------|-----------|
| None         | None      | None          | None      |
| None         | None      | None          | None      |

**LITTLE ROCK WASTEWATER  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 FOURCHE CREEK TREATMENT PLANT CONCENTRATION TRENDS  
 1994 THROUGH 2008**



**Influent Headworks Limit  
 Effluent Water Quality Criteria**

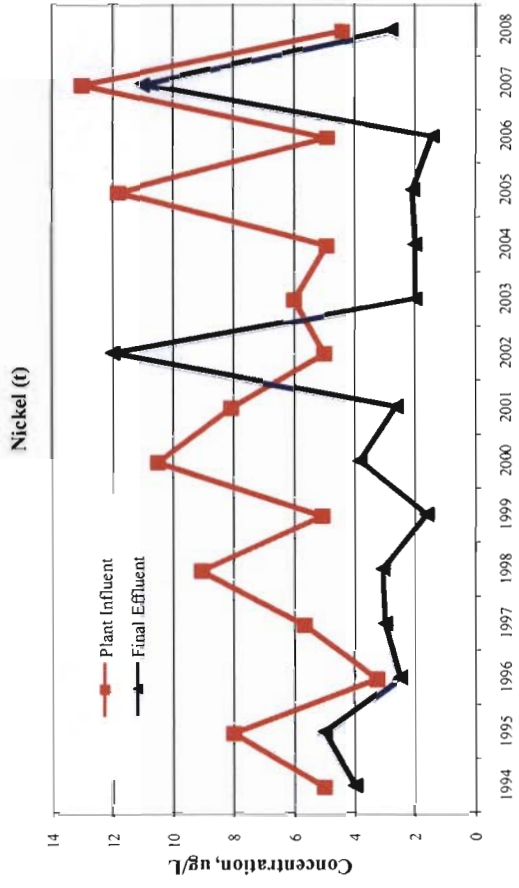
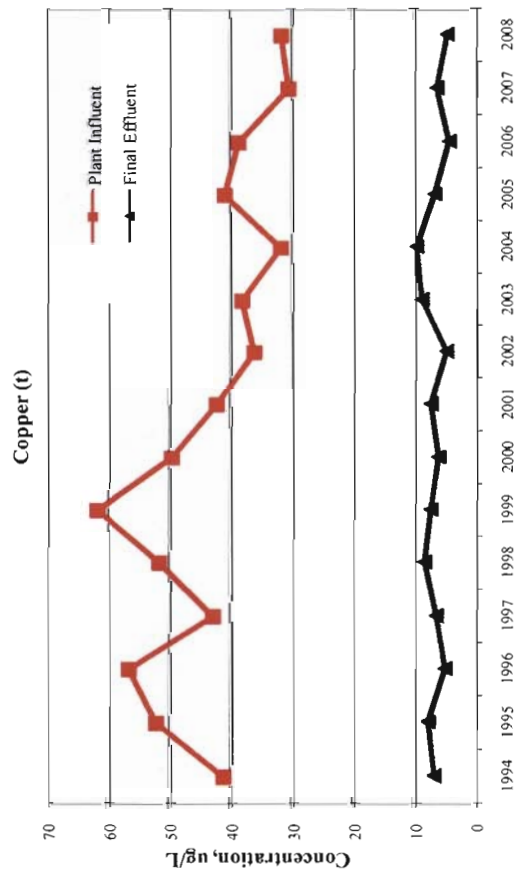
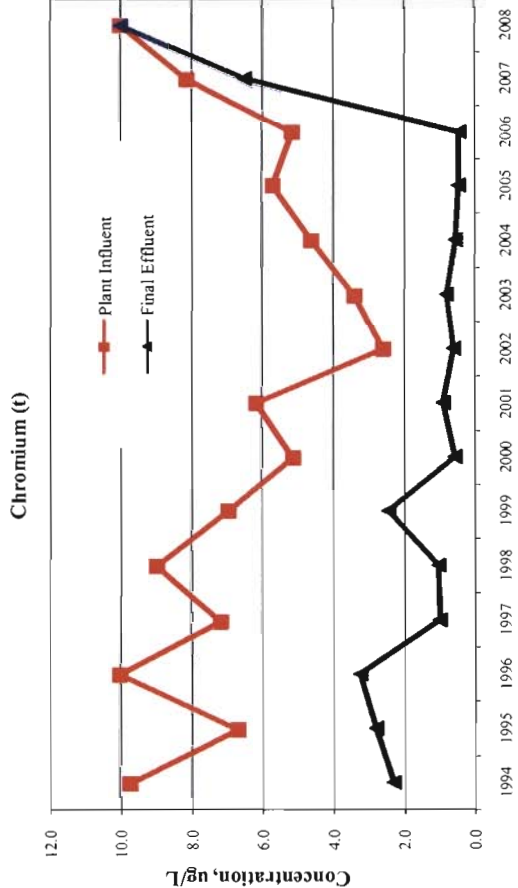
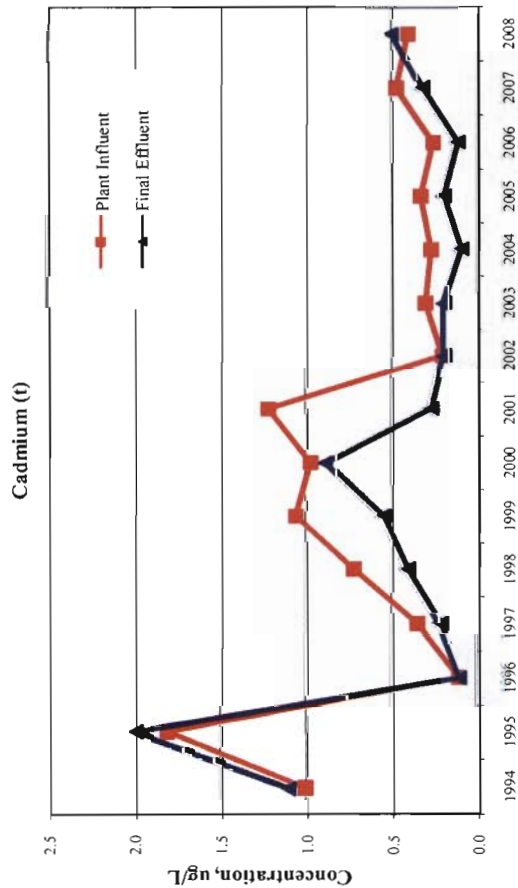
**Manganese (t)**  
 None  
 None

**Total Phenols**  
 None  
 None

**Cyanide (t)**  
 0.09 mg/L  
 0.058 mg/L

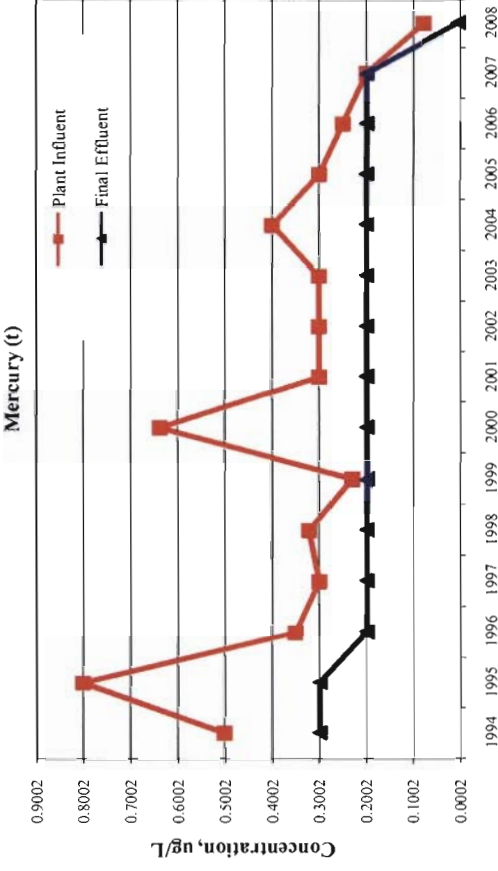
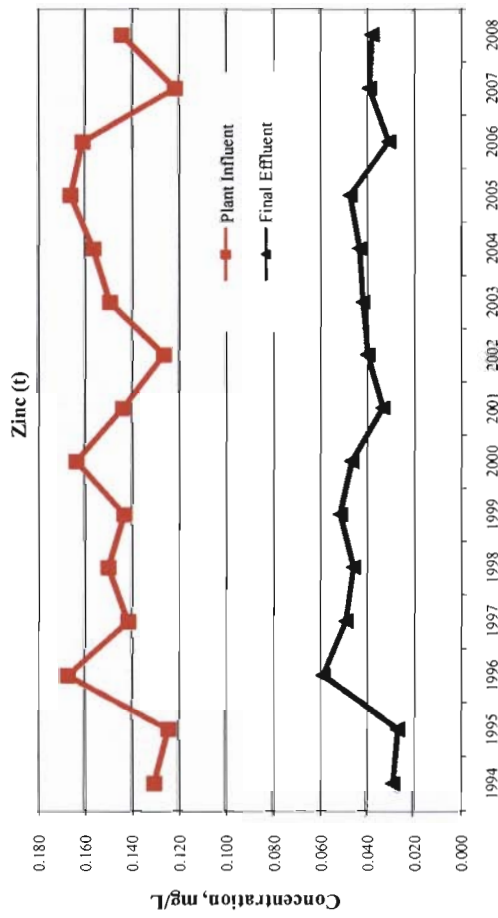
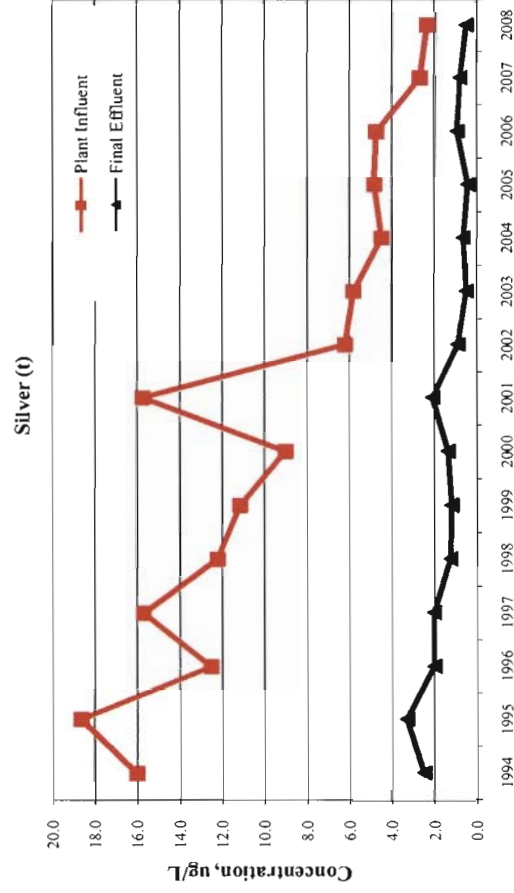
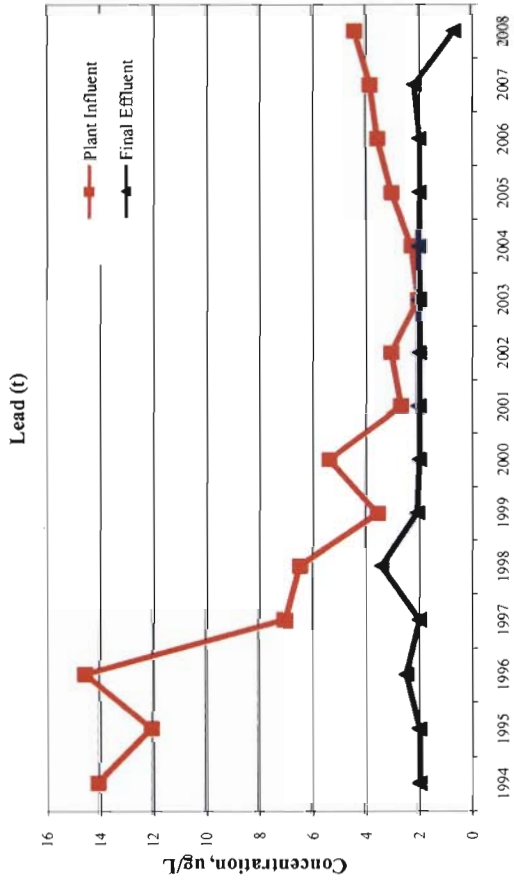
**Oil & Grease**  
 None  
 None

**LITTLE ROCK WASTEWATER  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 ADAMS FIELD TREATMENT PLANT CONCENTRATION TRENDS  
 1994 THROUGH 2008**



|                                         | Cadmium(t) | Copper (t) | Chromium (t) | Nickel(t)  |
|-----------------------------------------|------------|------------|--------------|------------|
| Influent Headworks Limit                | 9 ug/L     | 270 ug/L   | 260 ug/L     | 160 ug/L   |
| Effluent Water Quality Criteria (Acute) | 27 ug/L    | 106 ug/L   | 5,590 ug/L   | 2,490 ug/L |

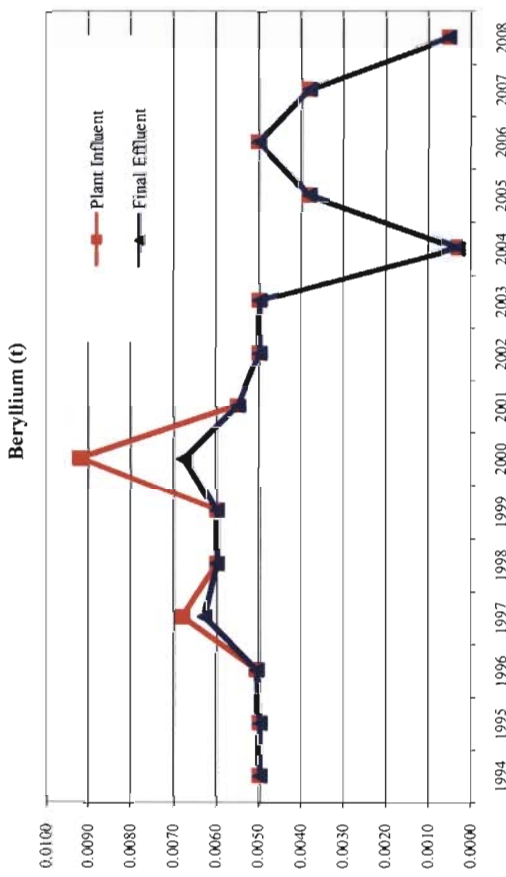
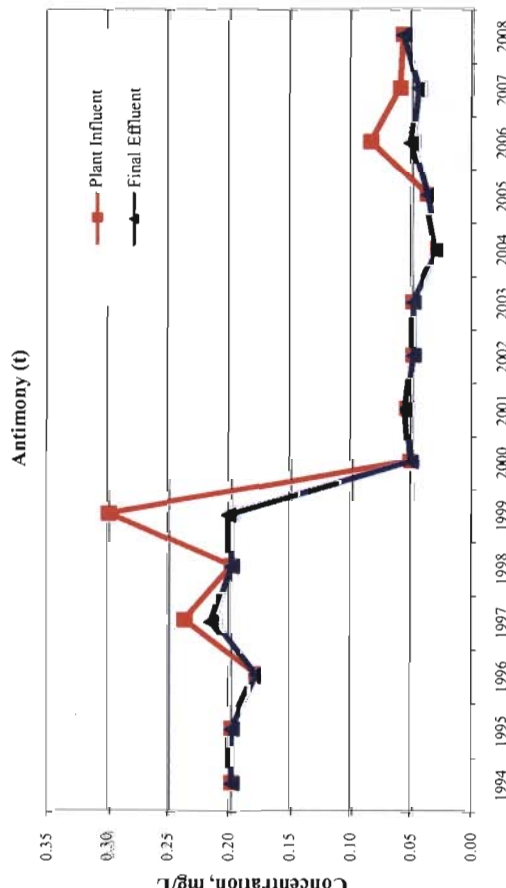
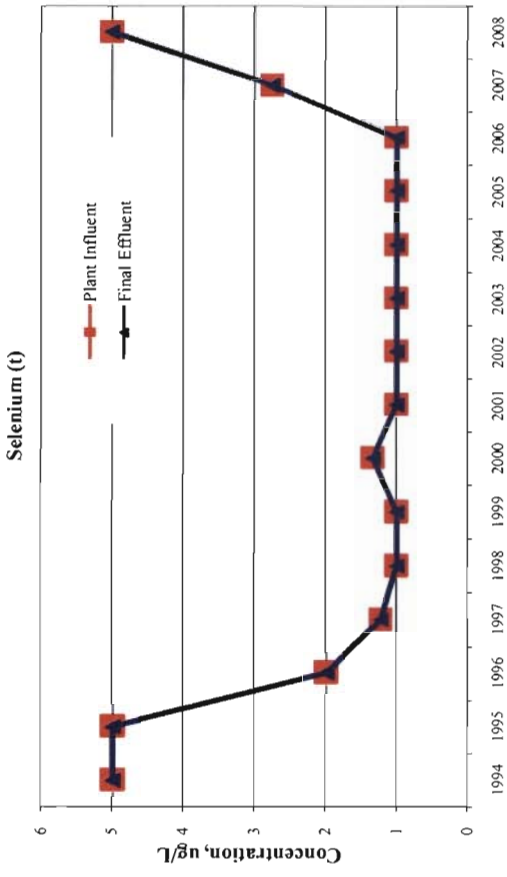
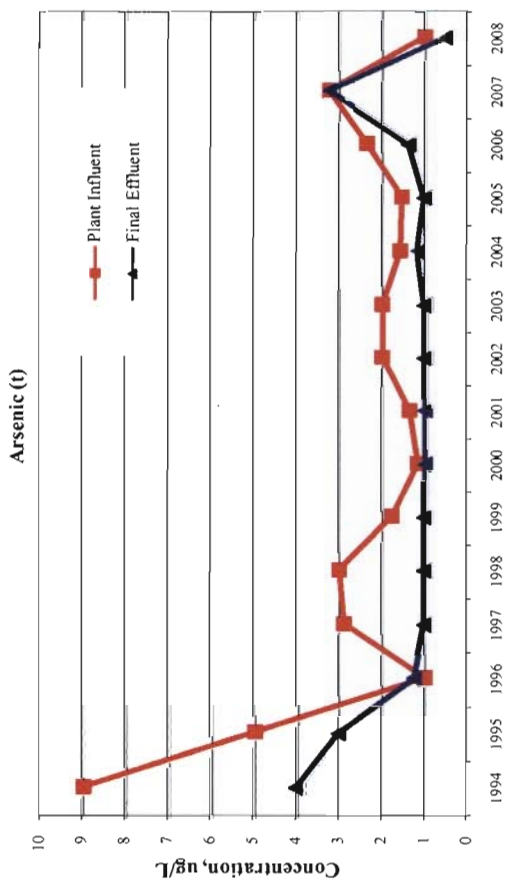
**LITTLE ROCK WASTEWATER  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 ADAMS FIELD TREATMENT PLANT CONCENTRATION TRENDS  
 1994 THROUGH 2008**



|                                         | Zinc(t)   | Silver(t) | Mercury(t) |
|-----------------------------------------|-----------|-----------|------------|
| Influent Headworks Limit                | 0.36 mg/L | 180 ug/L  | 0.2 ug/L   |
| Effluent Water Quality Criteria (Acute) | 0.85 mg/L | 28 ug/L   | 0.07 ug/L  |

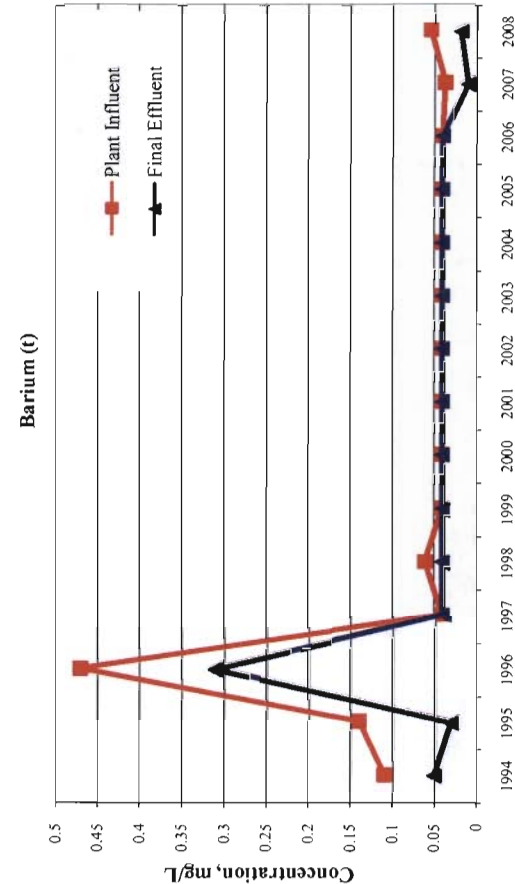
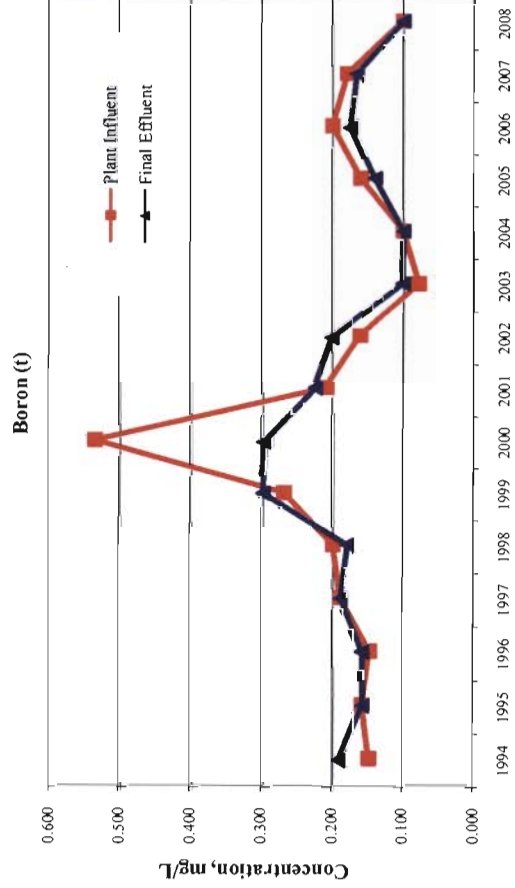
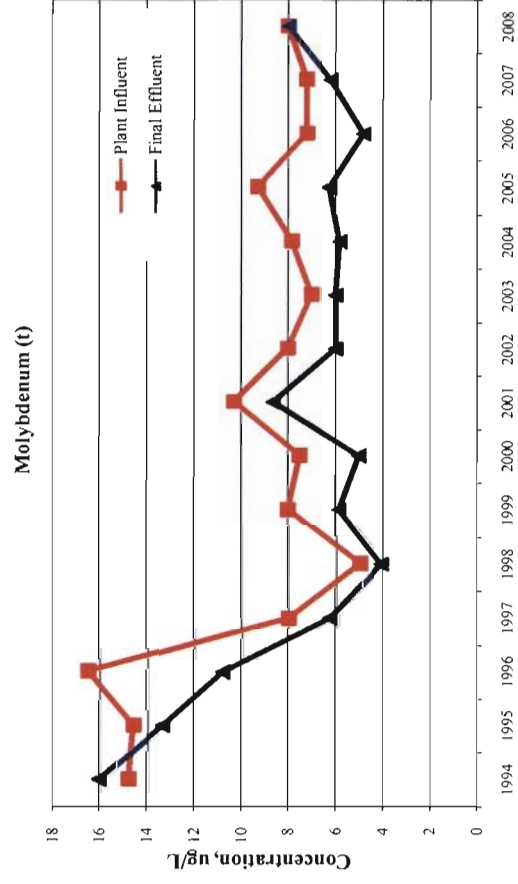
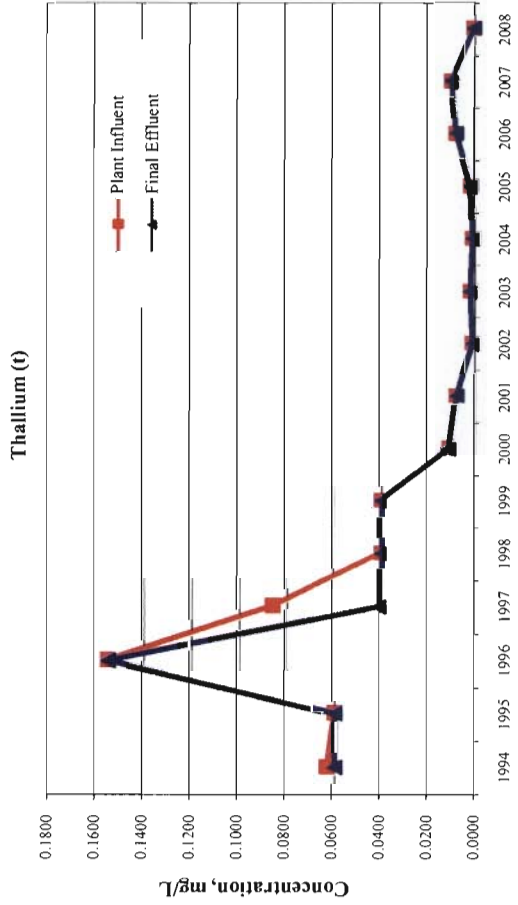
|                                         | Lead (t) |
|-----------------------------------------|----------|
| Influent Headworks Limit                | 50 ug/L  |
| Effluent Water Quality Criteria (Acute) | 98 ug/L  |

**LITTLE ROCK WASTEWATER  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 ADAMS FIELD TREATMENT PLANT CONCENTRATION TRENDS  
 1994 THROUGH 2008**



|                                         | Arsenic (t) | Antimony (t) | Selenium (t) | Beryllium (t) |
|-----------------------------------------|-------------|--------------|--------------|---------------|
| Influent Headworks Limit                | 14 ug/L     | None         | 10 ug/L      | None          |
| Effluent Water Quality Criteria (Acute) | 1,190 ug/L  | None         | 28 ug/L      | None          |

**LITTLE ROCK WASTEWATER  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 ADAMS FIELD TREATMENT PLANT CONCENTRATION TRENDS  
 1994 THROUGH 2008**



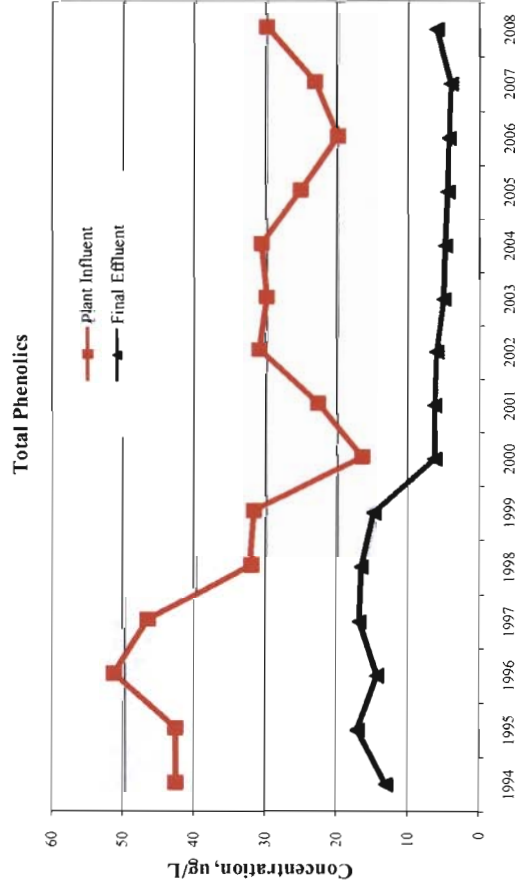
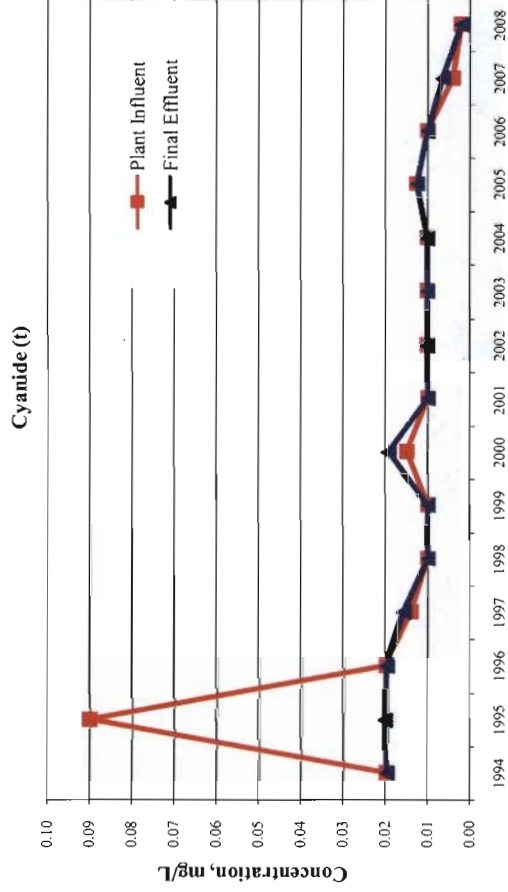
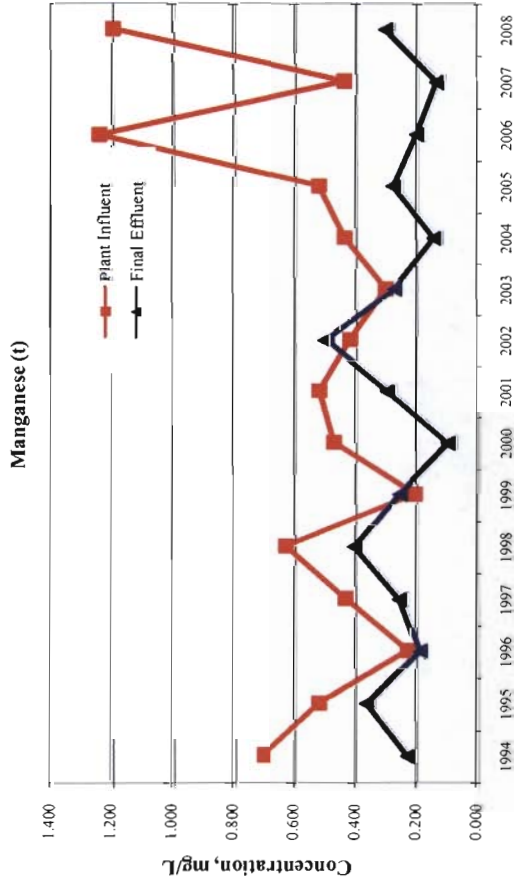
**Thallium (t)**  
 Influent Headworks Limit  
 Effluent Water Quality Criteria (Acute)

**Boron (t)**  
 None  
 None

**Molybdenum(t)**  
 None  
 None

**Barium(t)**  
 None  
 None

**LITTLE ROCK WASTEWATER  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 ADAMS FIELD TREATMENT PLANT CONCENTRATION TRENDS  
 1994 THROUGH 2008**



| Influent Headworks Limit | Effluent Water Quality Criteria (Acute) | Manganese (t) | Total Phenolics | Cyanide (t) | Oil&Grease |
|--------------------------|-----------------------------------------|---------------|-----------------|-------------|------------|
| None                     | None                                    | None          | None            | 0.09 mg/L   | None       |
| None                     | None                                    | None          | None            | 0.29 mg/L   | None       |

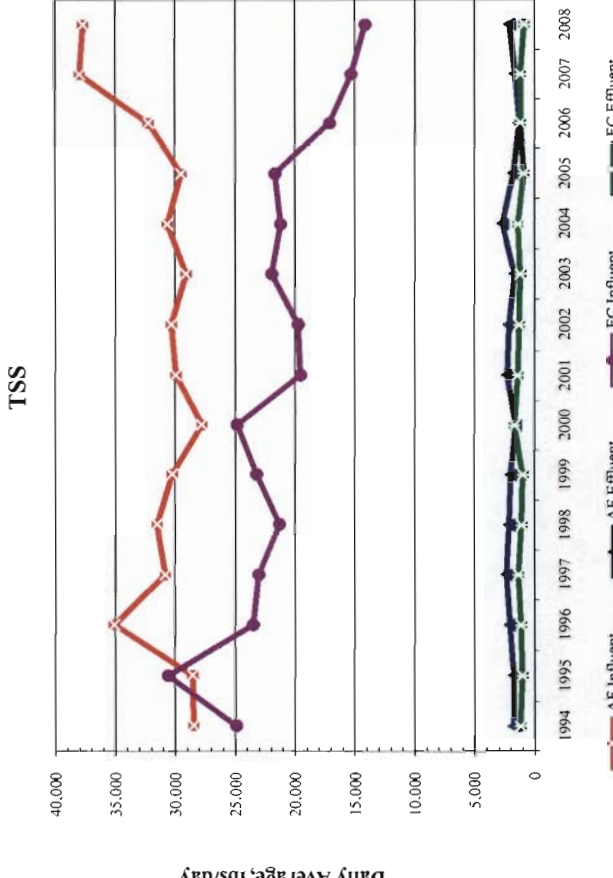
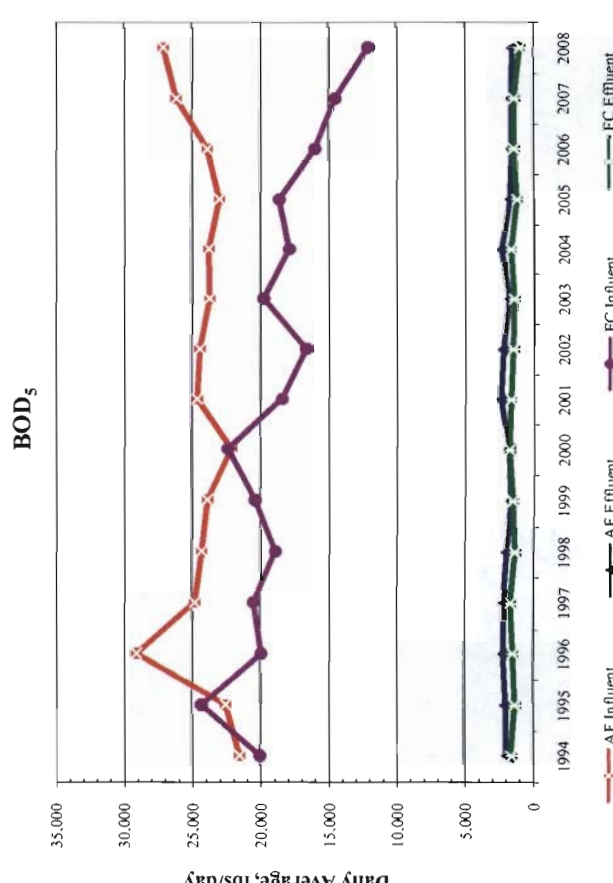
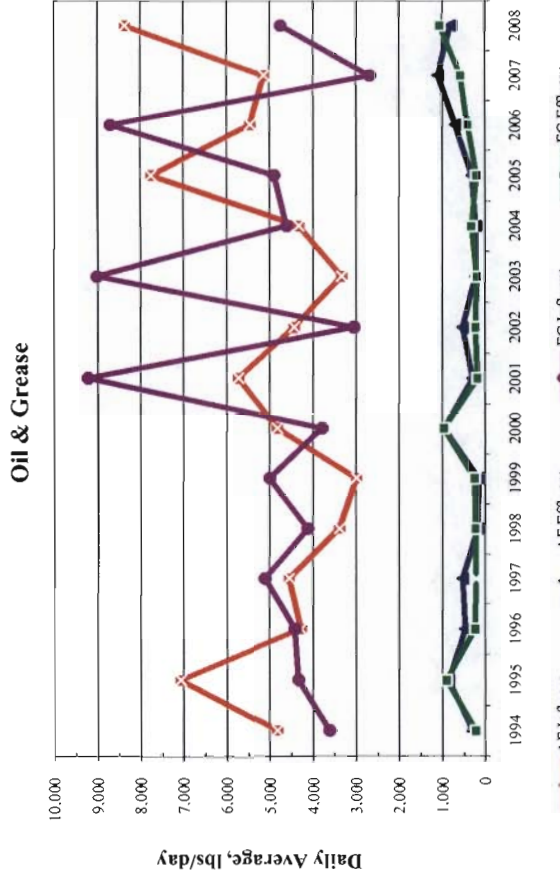
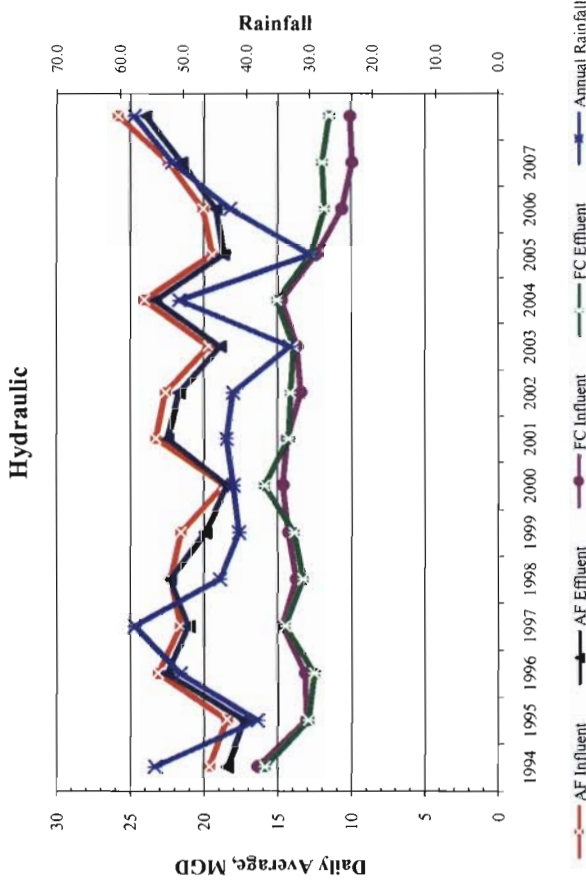


## SUMMARY OF LOADING TRENDS

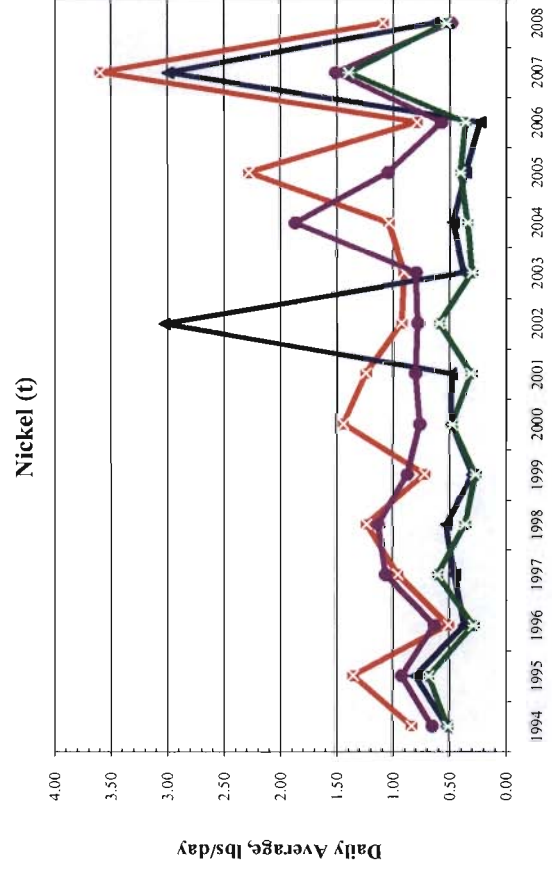
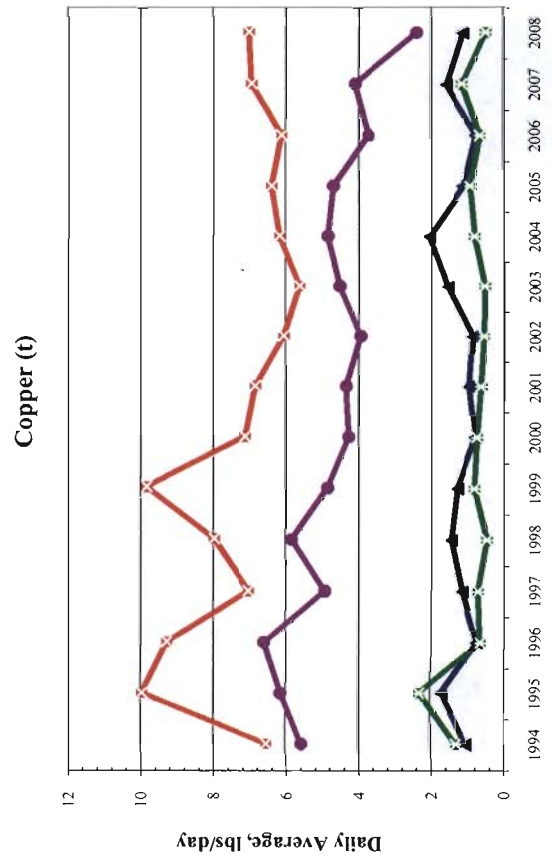
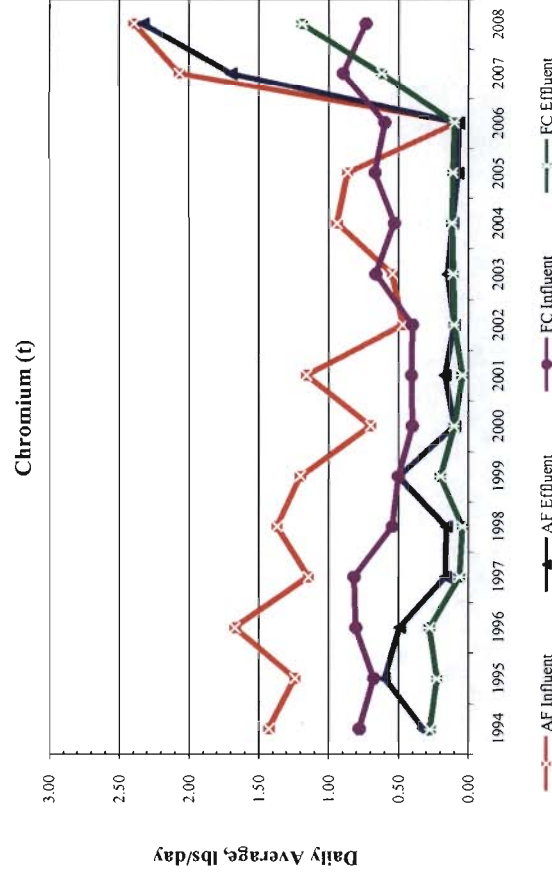
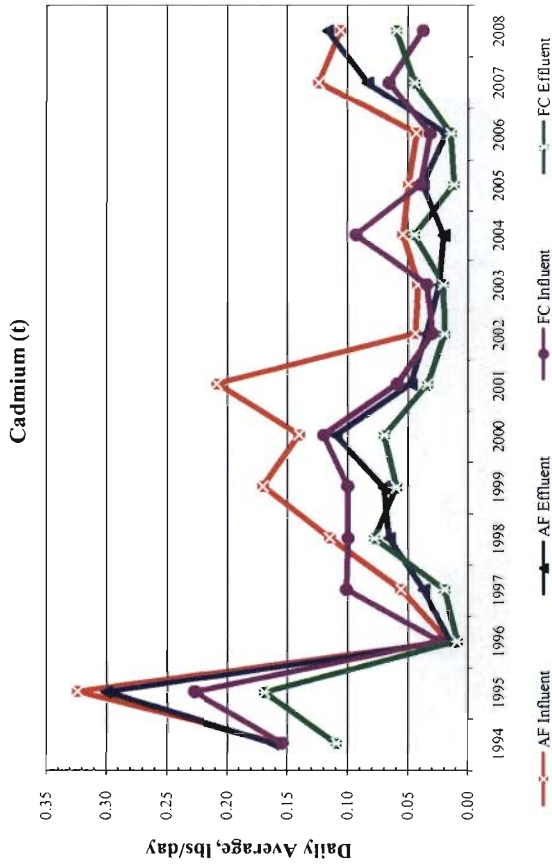
Trend charts are used to evaluate pollutant loading for the Little Rock Wastewater (LRW) system and to evaluate Industrial User (IU) contributions. The charts are organized in the following order:

- Total System Loading Trends – Charts were developed showing 1994 - 2008 loading, lbs/day, to the total LRW system for flow, BOD, TSS, O&G and local limit pollutant parameters. For each individual analytical point the lbs/day is calculated using the flow for each sample date. In cases where the concentration is reported as less than the detection limit the detection limit number was used to calculate the lbs/day. This causes the loading (lbs/day) to be higher than what it would be if zero values were used in those instances.
- IU Percent Contributions 1996 - 2008 – Charts were developed showing IU percent contributions starting 1996 to date. In 1997 permit renewal pollutant scans were implemented and are used to identify pollutants of concern and determine permit limits. Values, less than the detection limits or below levels of concern, are included in calculating total lbs of IU contribution.
- POTW Loading Trends - Influent/Effluent Loading, lbs/day, comparison charts were developed for the Adams Field and Fourche Creek Wastewater Treatment Plants for 1994 - 2008. These charts reveal trends in loading for each treatment plant. (% removal efficiencies, based on influent/effluent concentration values, can be found in Section VI of this report.)

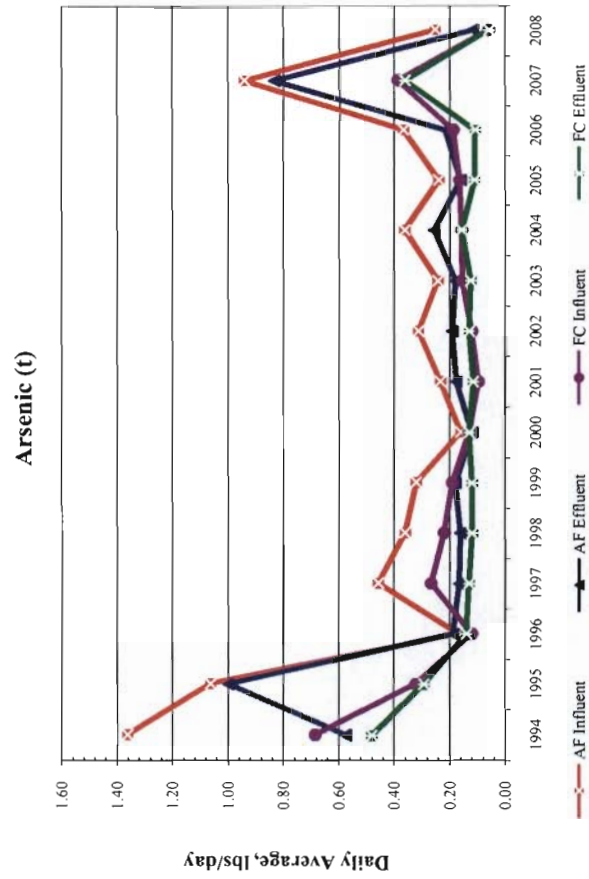
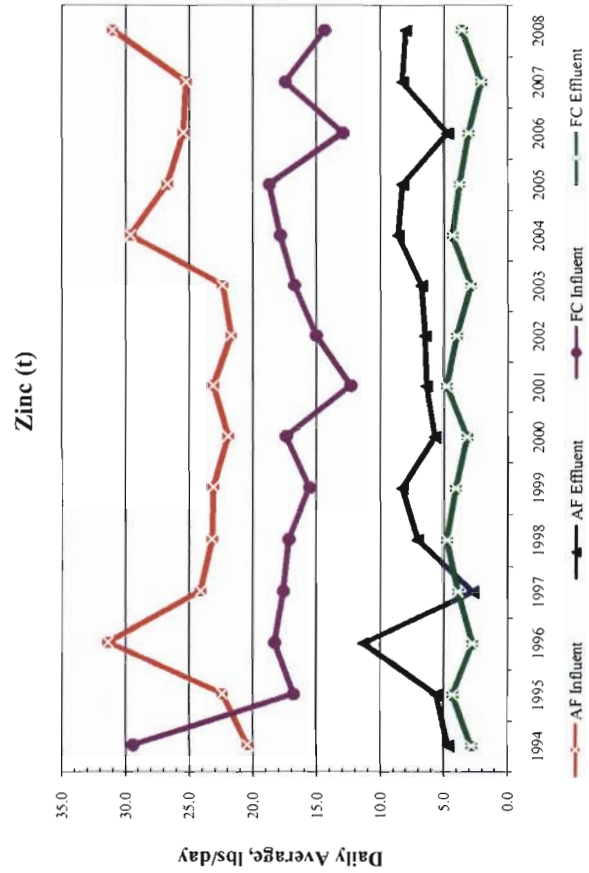
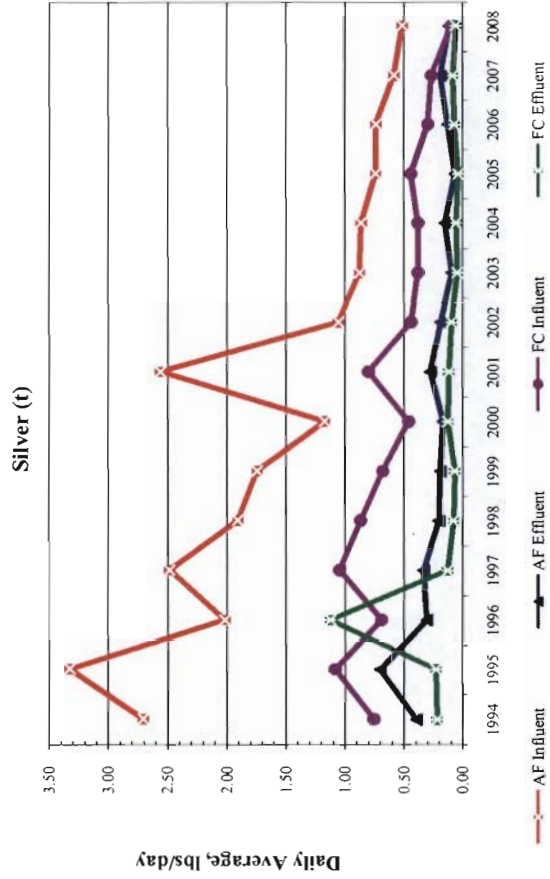
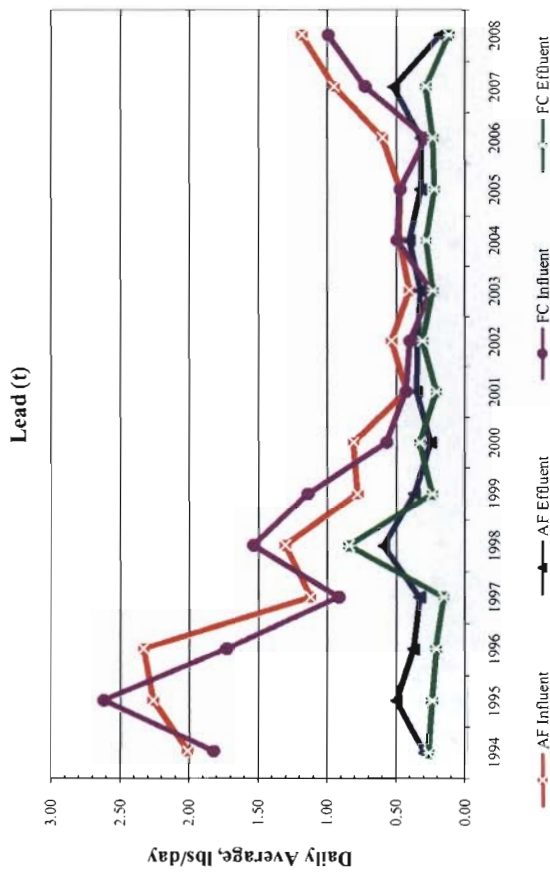
**LITTLE ROCK WASTEWATER  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 POTW PLANT INFLUENT/FINAL EFFLUENT LOADING TRENDS**



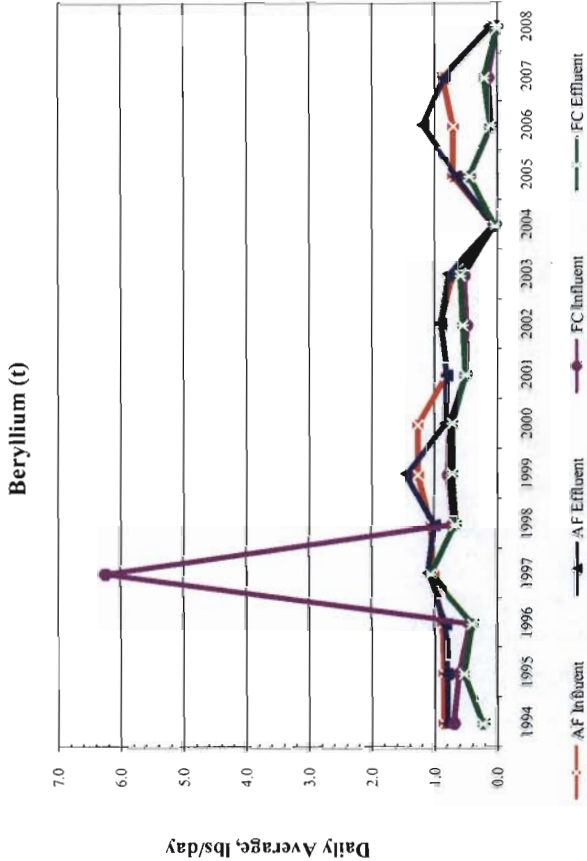
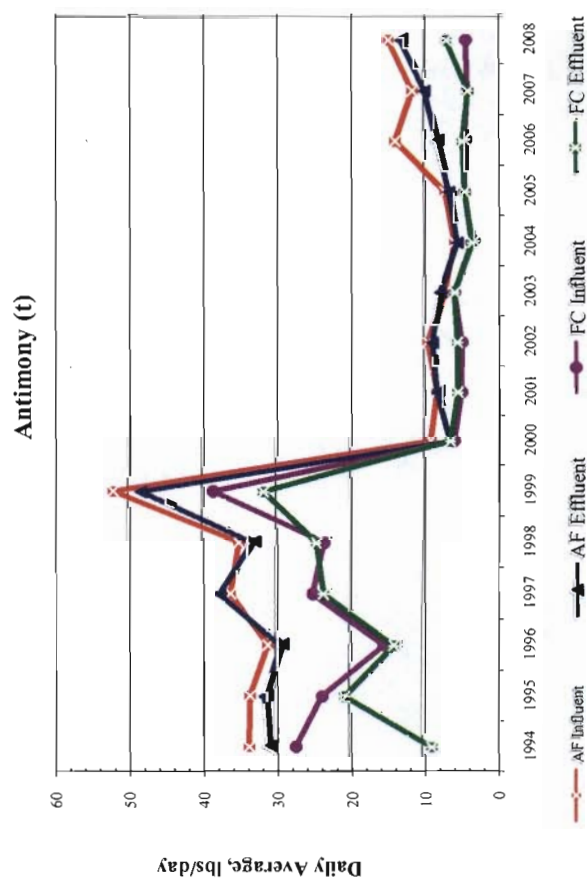
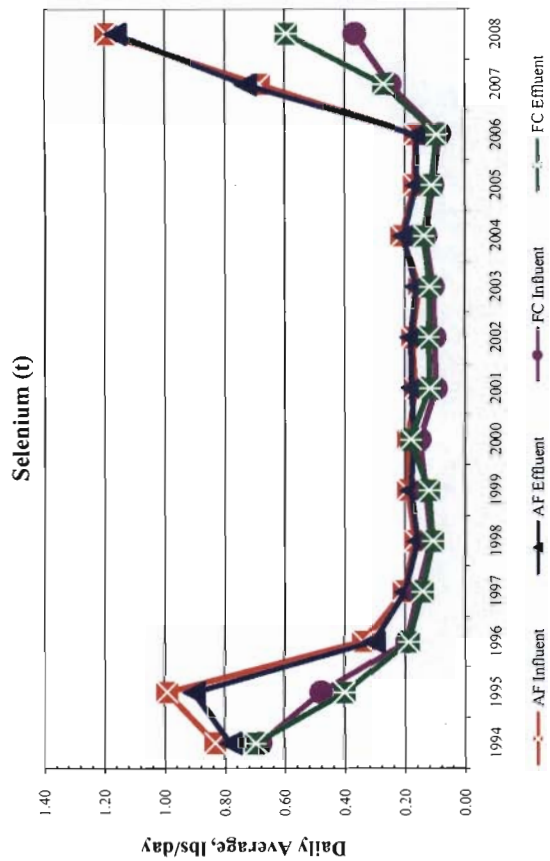
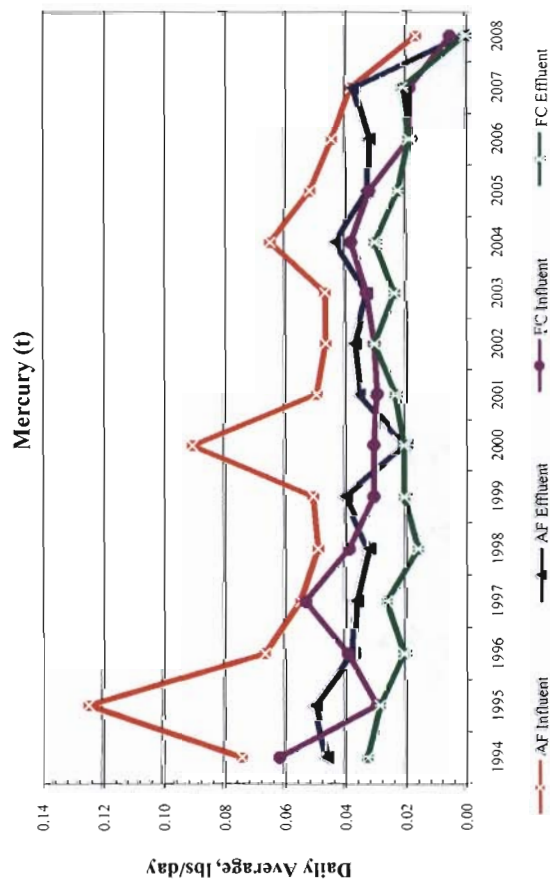
**LITTLE ROCK WASTEWATER  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 POTW PLANT INFLUENT/FINAL EFFLUENT LOADING TRENDS**



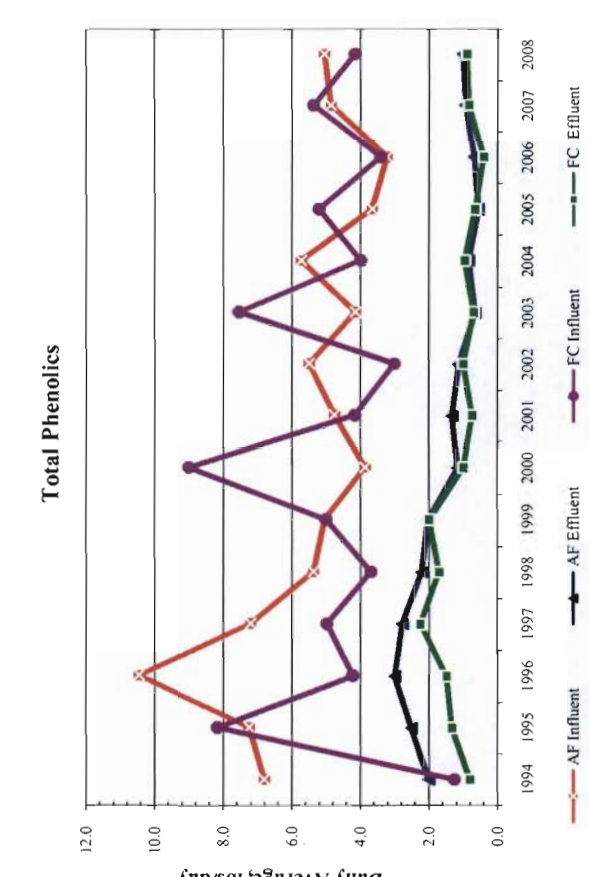
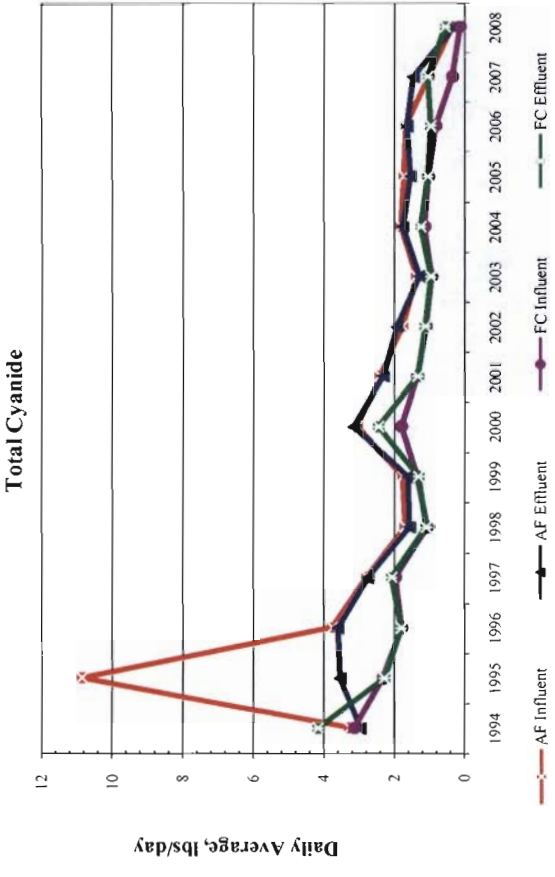
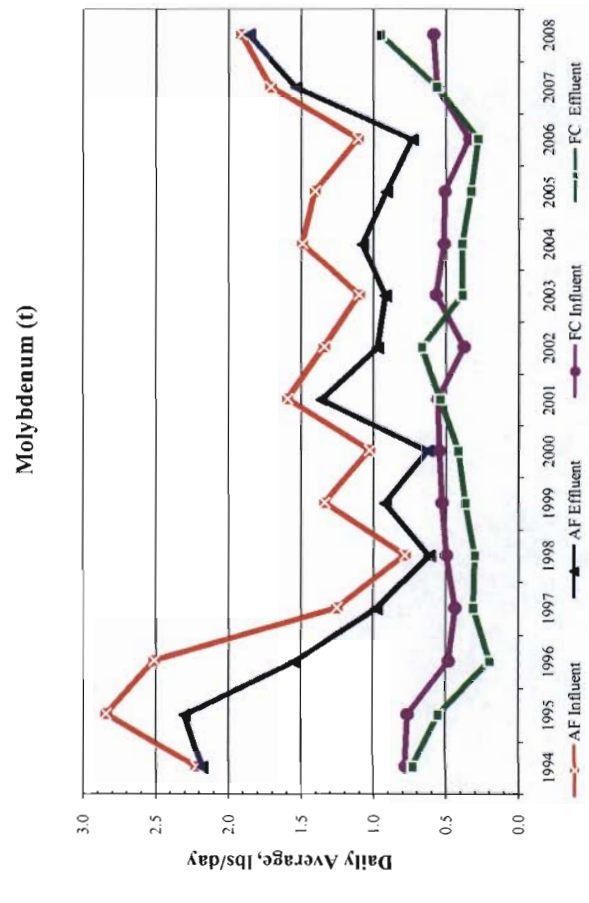
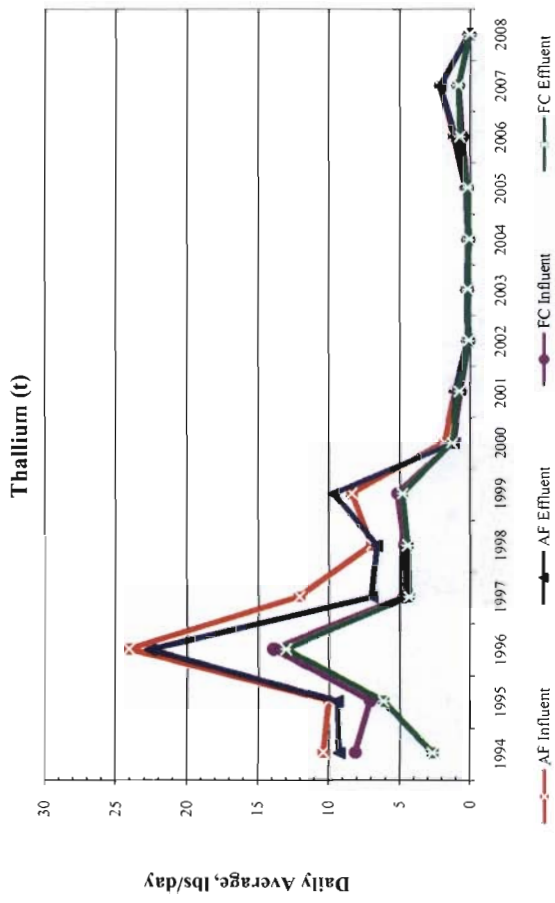
**LITTLE ROCK WASTEWATER  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 POTW PLANT INFLUENT/FINAL EFFLUENT LOADING TRENDS**



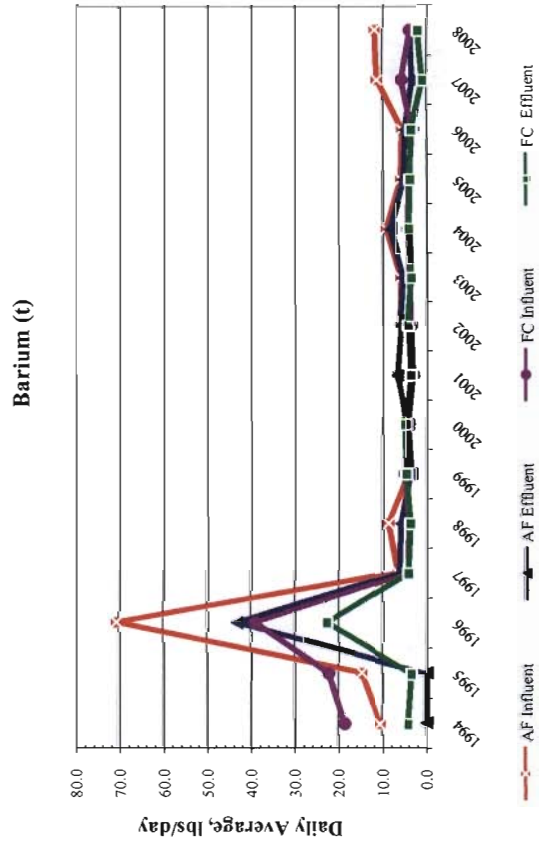
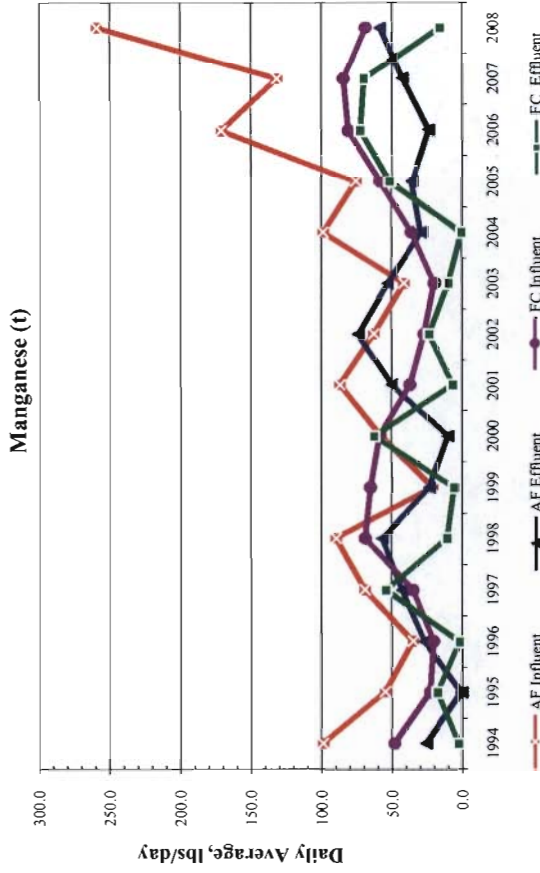
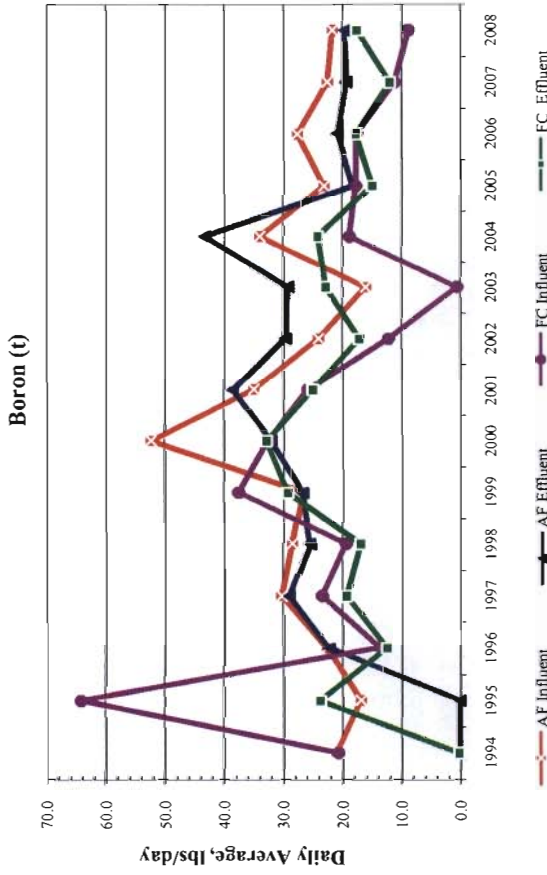
**LITTLE ROCK WASTEWATER  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 POTW PLANT INFLUENT/FINAL EFFLUENT LOADING TRENDS**



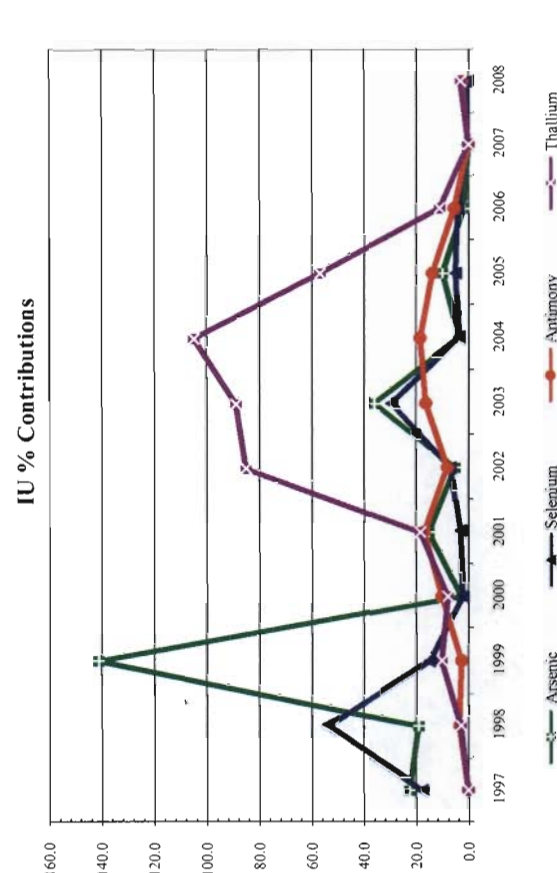
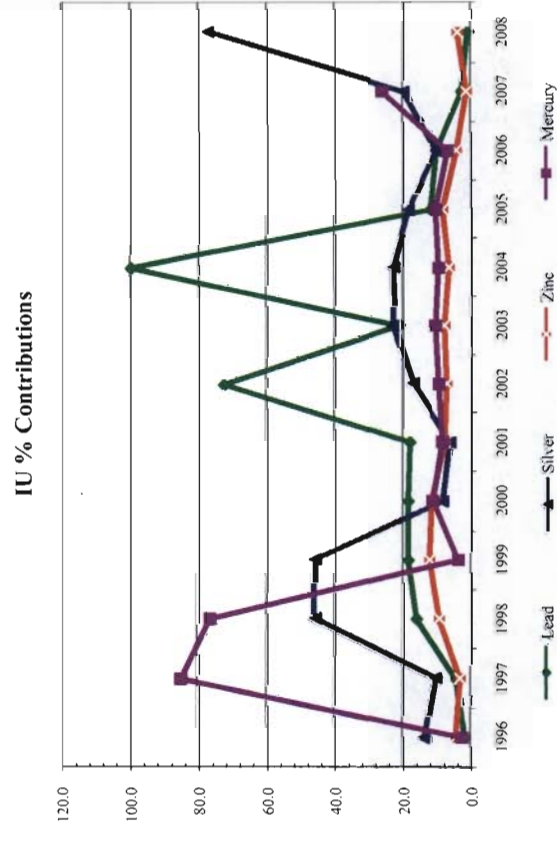
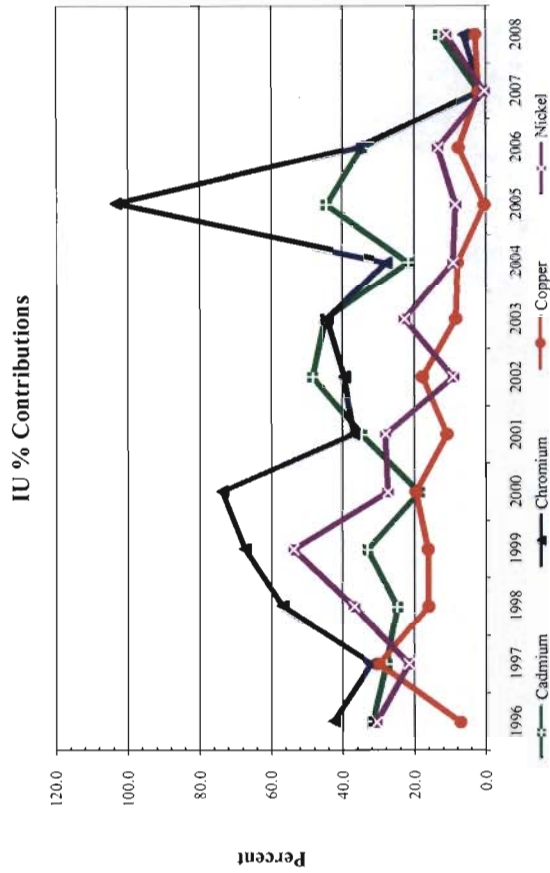
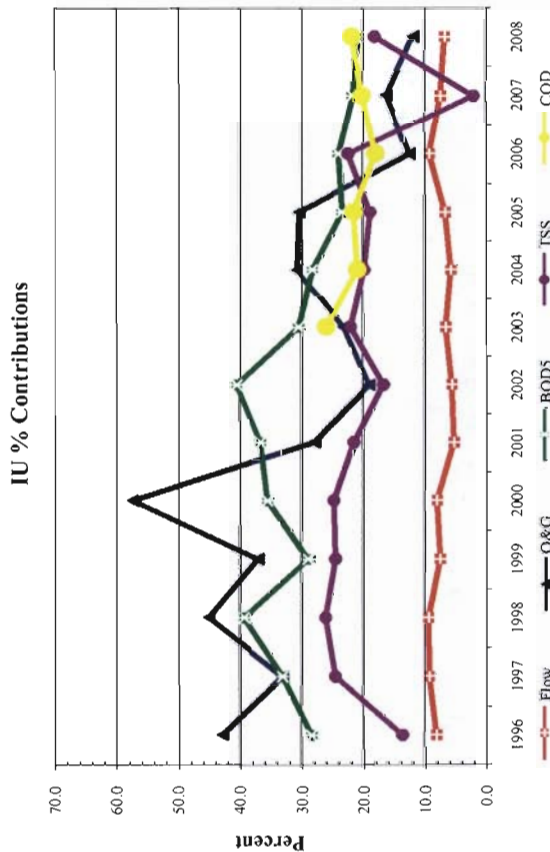
**LITTLE ROCK WASTEWATER  
ENVIRONMENTAL ASSESSMENT DIVISION  
POTW PLANT INFLUENT/FINAL EFFLUENT LOADING TRENDS**



**LITTLE ROCK WASTEWATER  
ENVIRONMENTAL ASSESSMENT DIVISION  
POTW PLANT INFLUENT/FINAL EFFLUENT LOADING TRENDS**



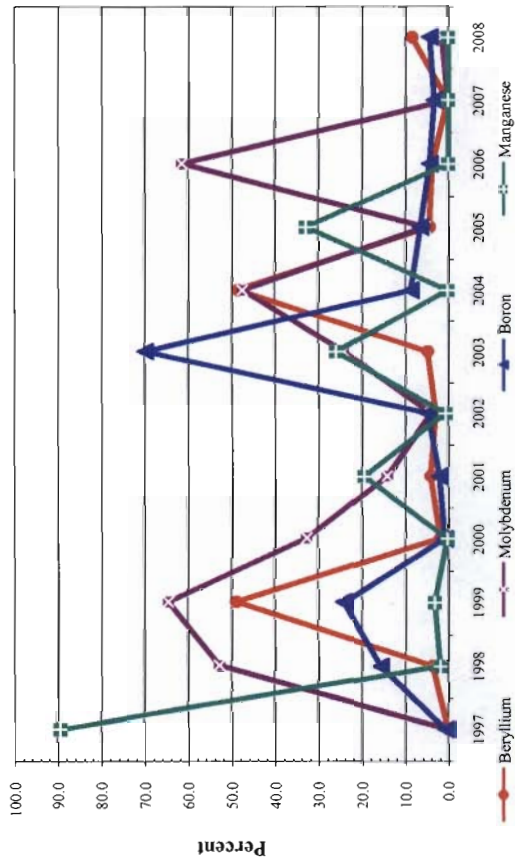
**LITTLE ROCK WASTEWATER  
ENVIRONMENTAL ASSESSMENT DIVISION  
IU PERCENT CONTRIBUTIONS**



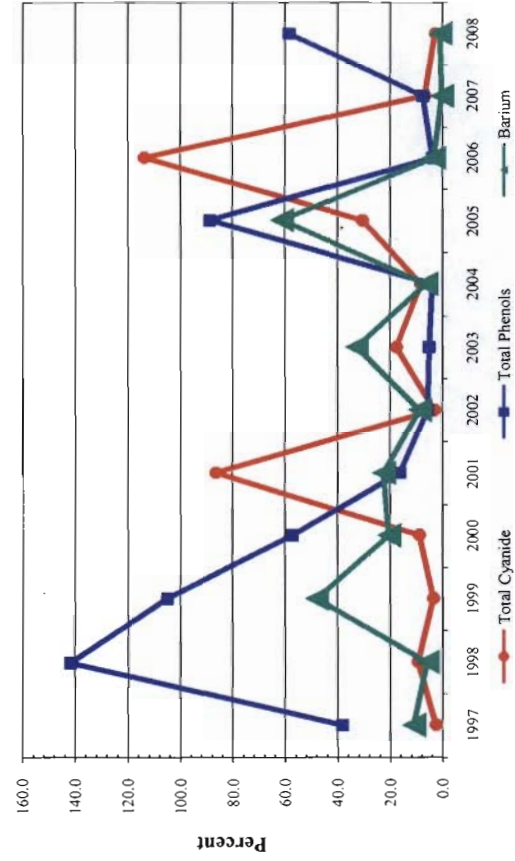


**LITTLE ROCK WASTEWATER  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 IU PERCENT CONTRIBUTIONS**

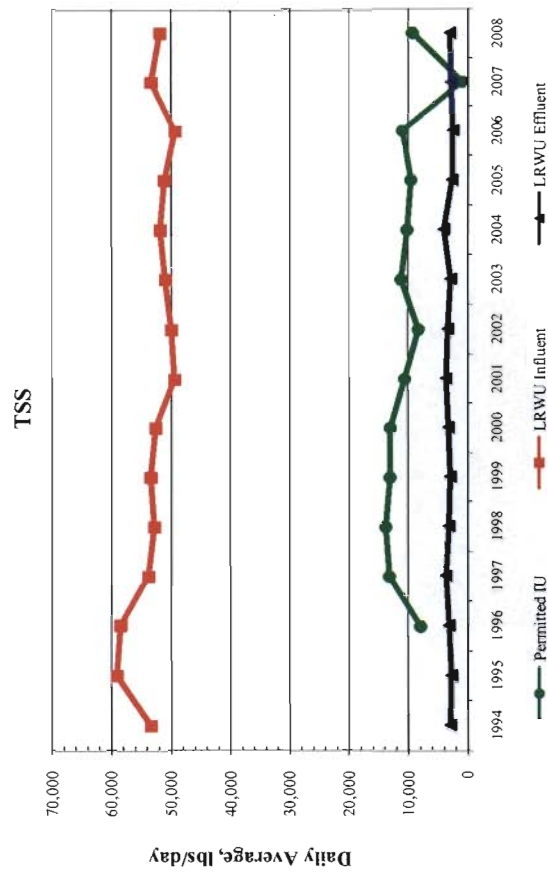
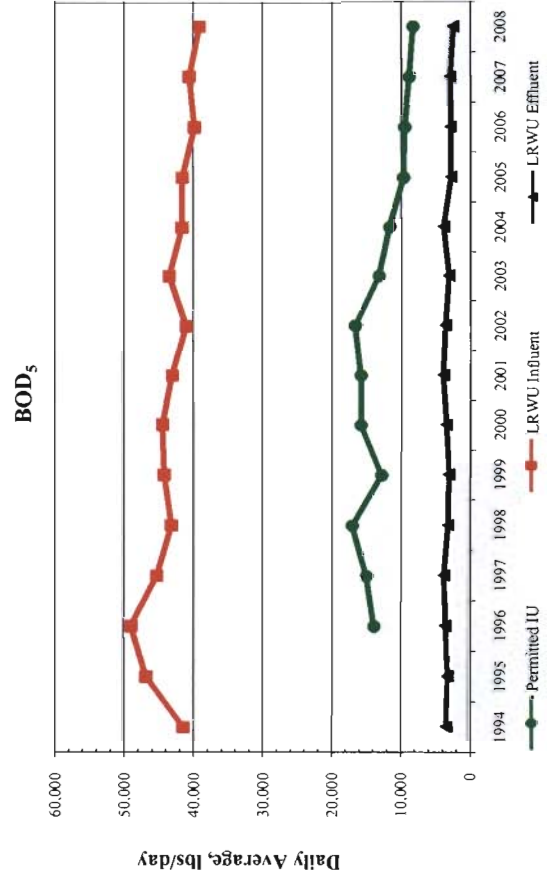
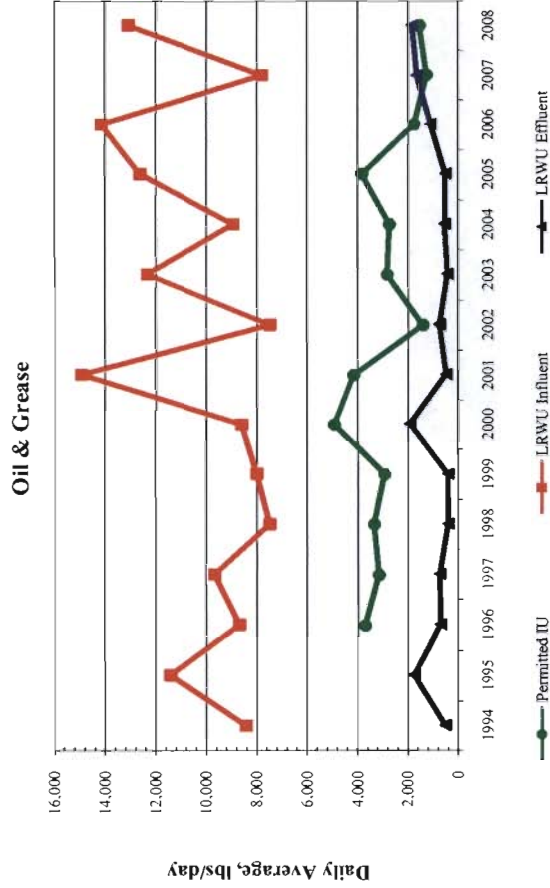
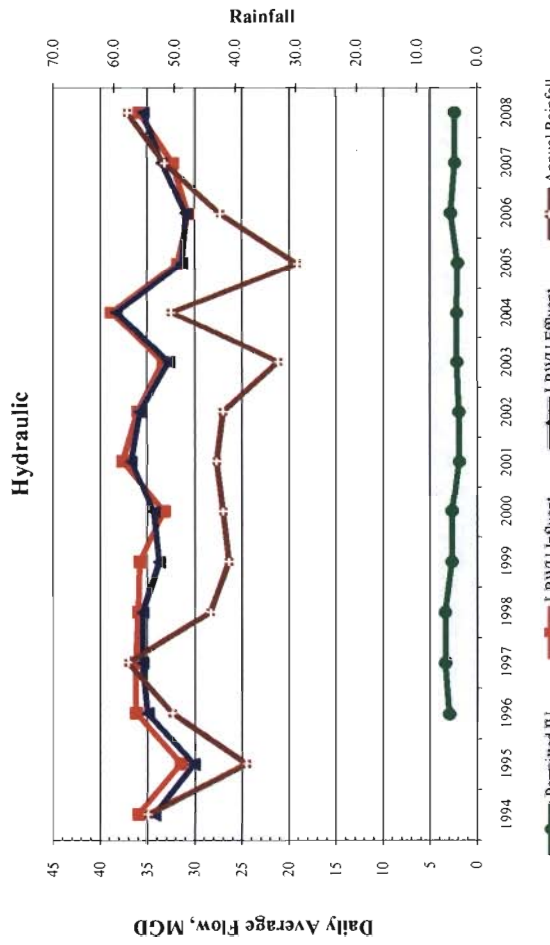
**IU % Contributions**



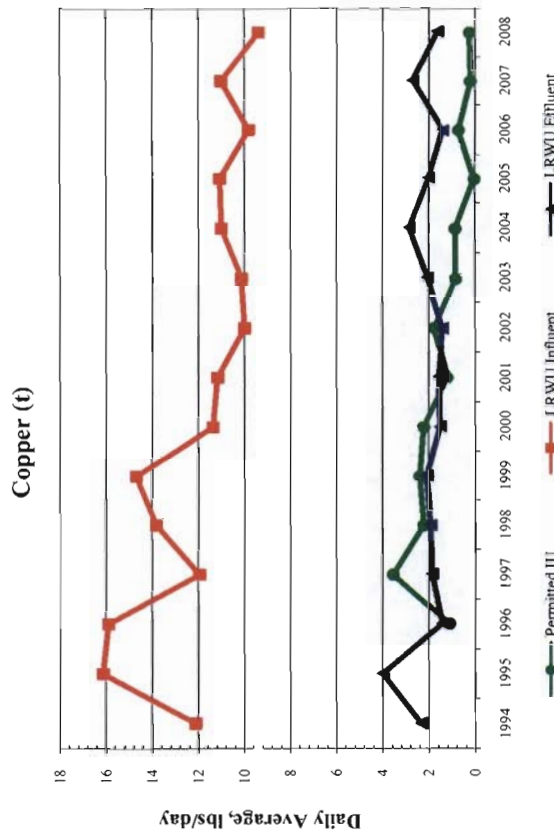
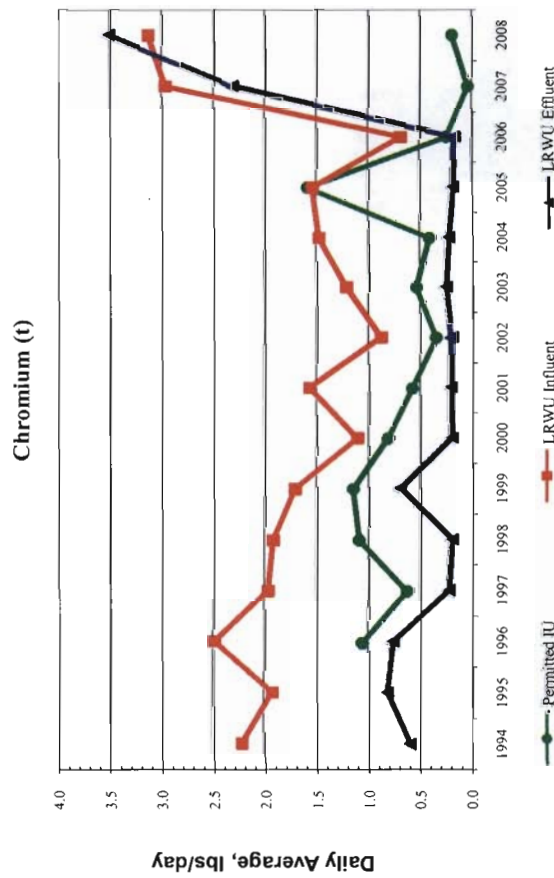
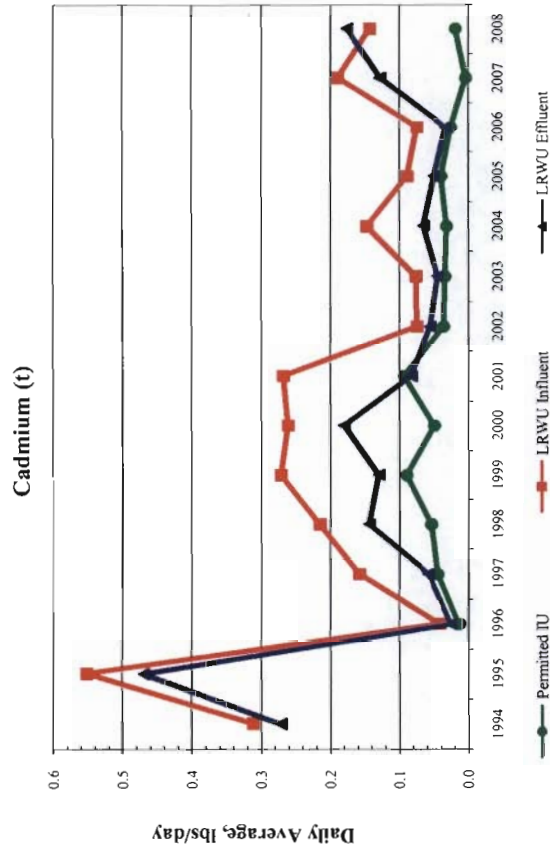
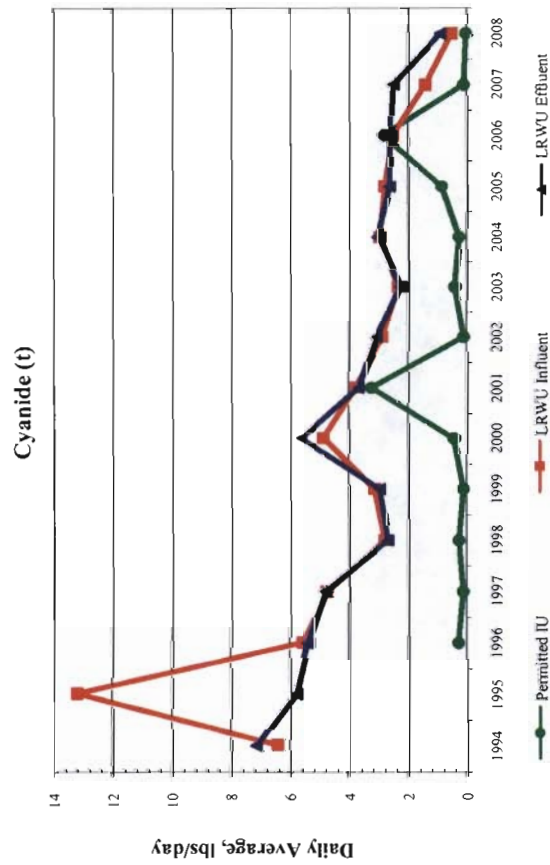
**IU % Contributions**



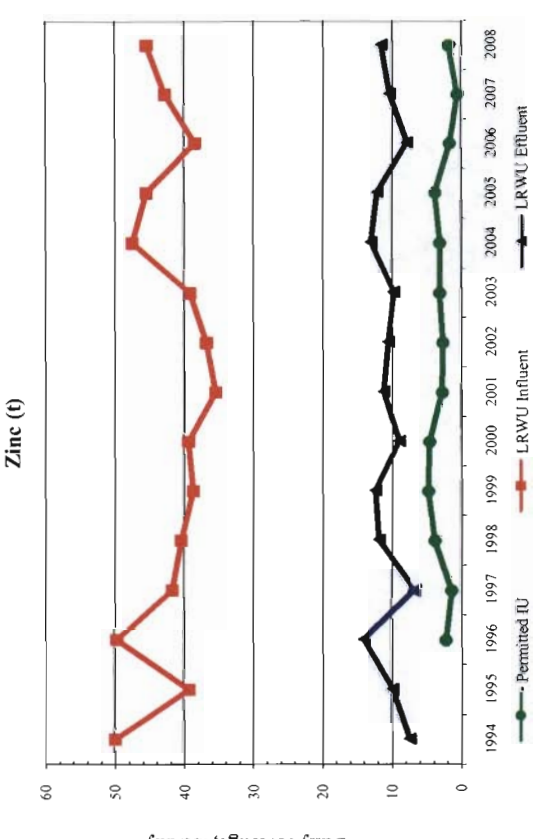
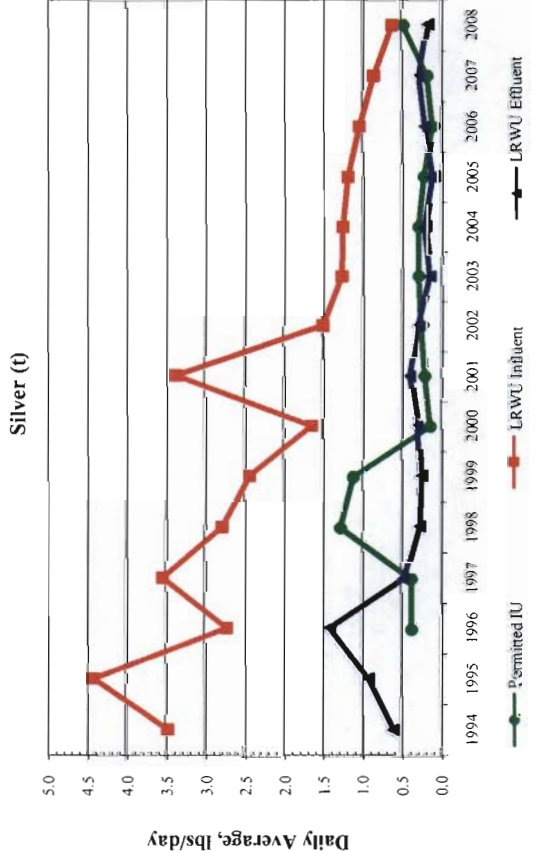
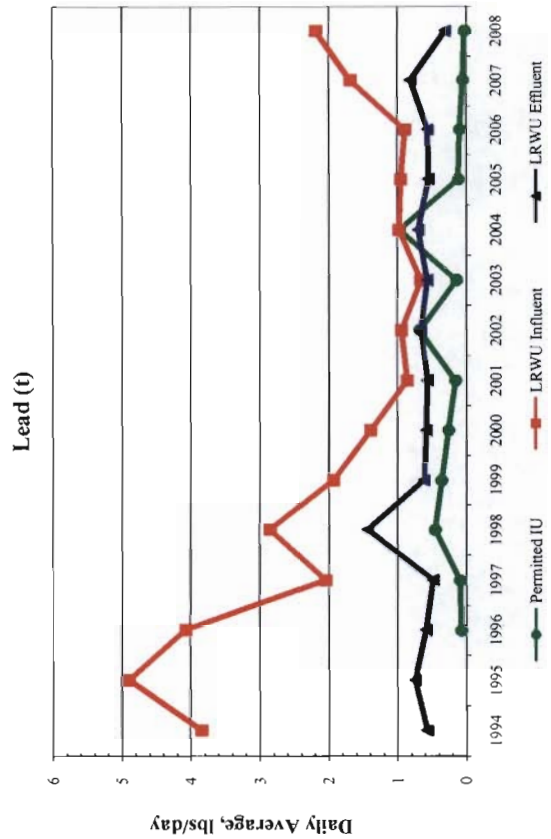
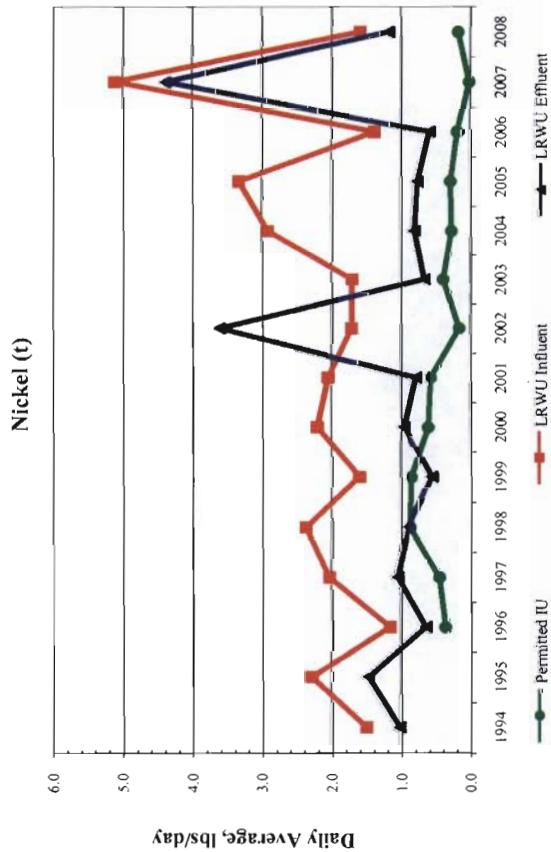
**LITTLE ROCK WASTEWATER  
ENVIRONMENTAL ASSESSMENT DIVISION  
LRWU TOTAL SYSTEM LOADING TRENDS**



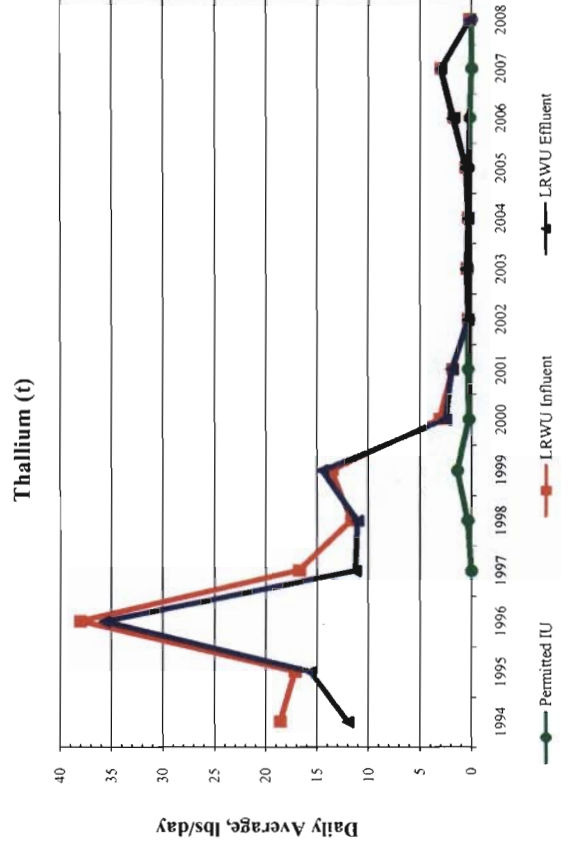
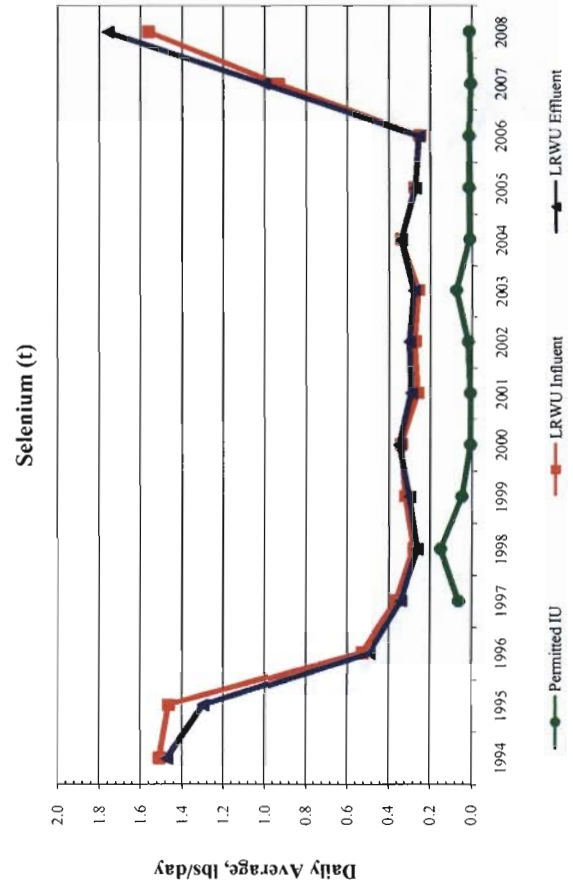
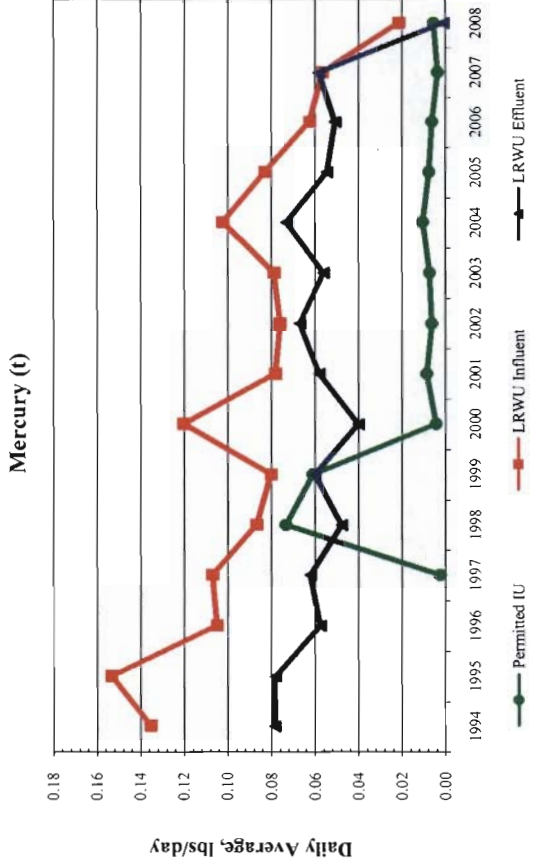
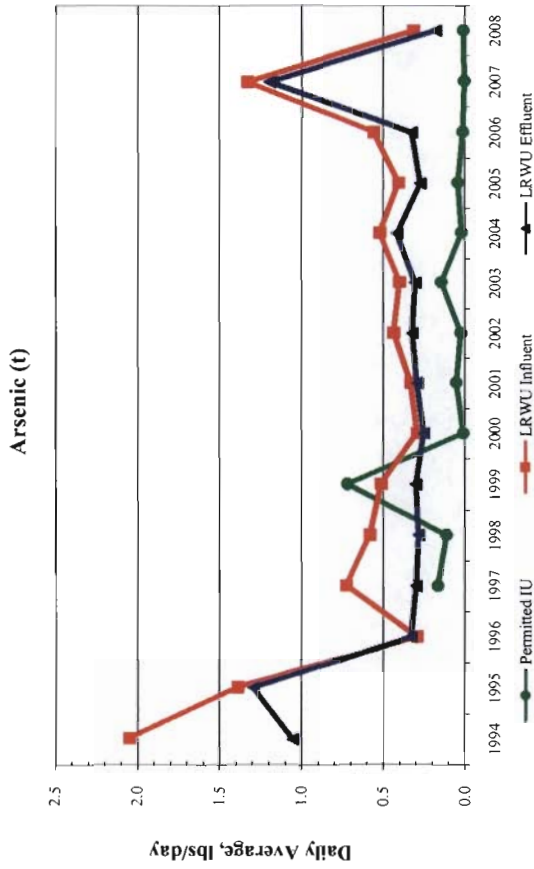
**LITTLE ROCK WASTEWATER  
ENVIRONMENTAL ASSESSMENT DIVISION  
LRWU TOTAL SYSTEM LOADING TRENDS**



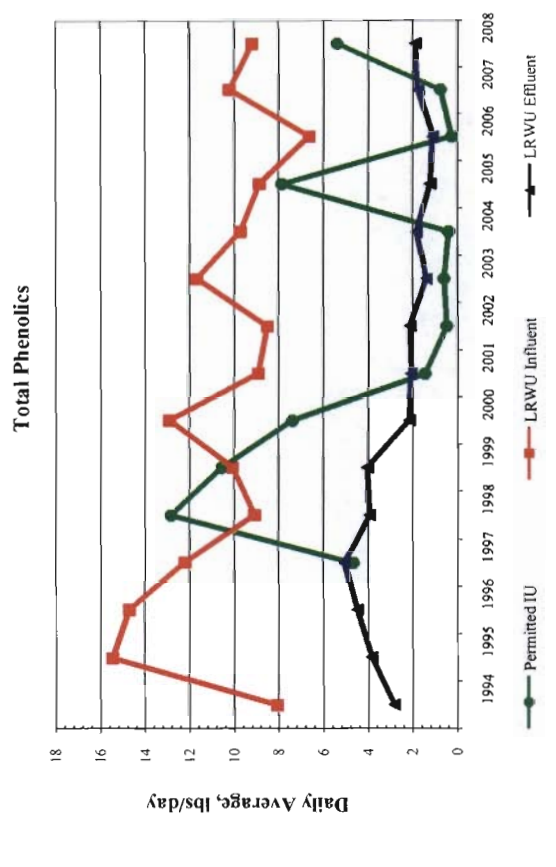
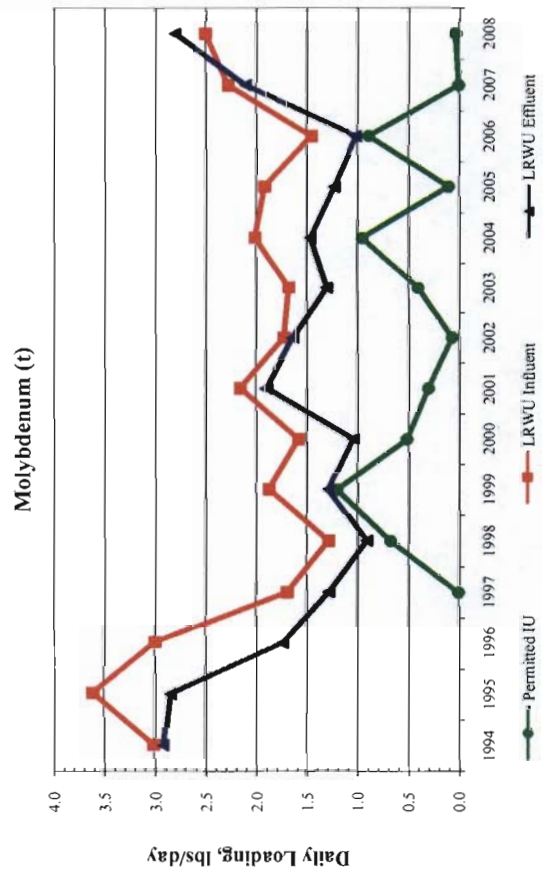
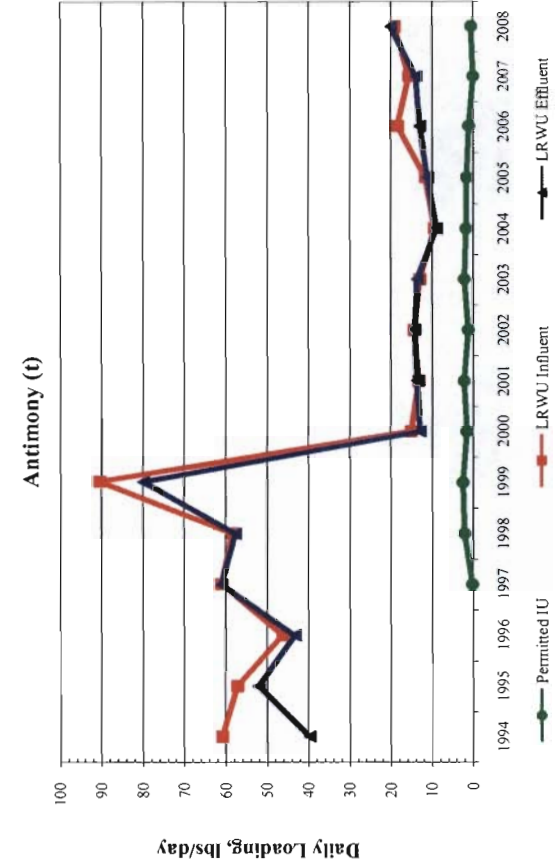
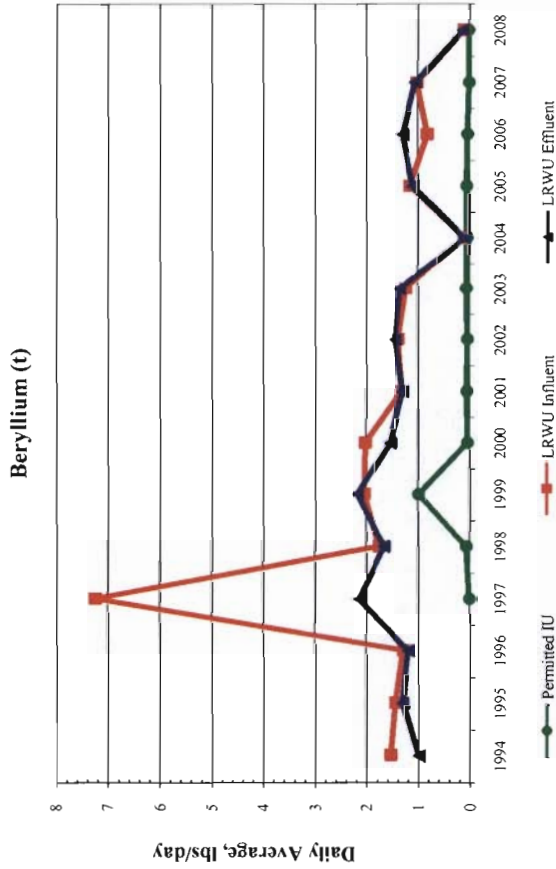
**LITTLE ROCK WASTEWATER  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 LRWU TOTAL SYSTEM LOADING TRENDS**



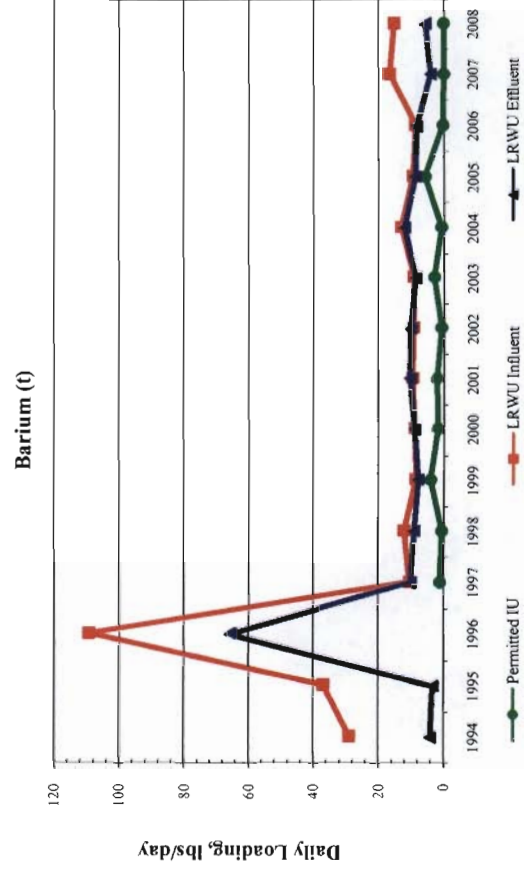
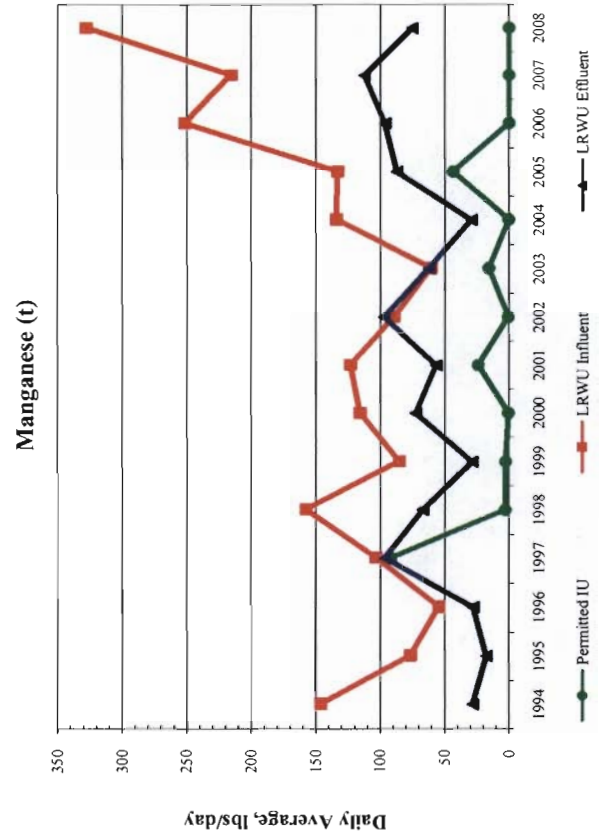
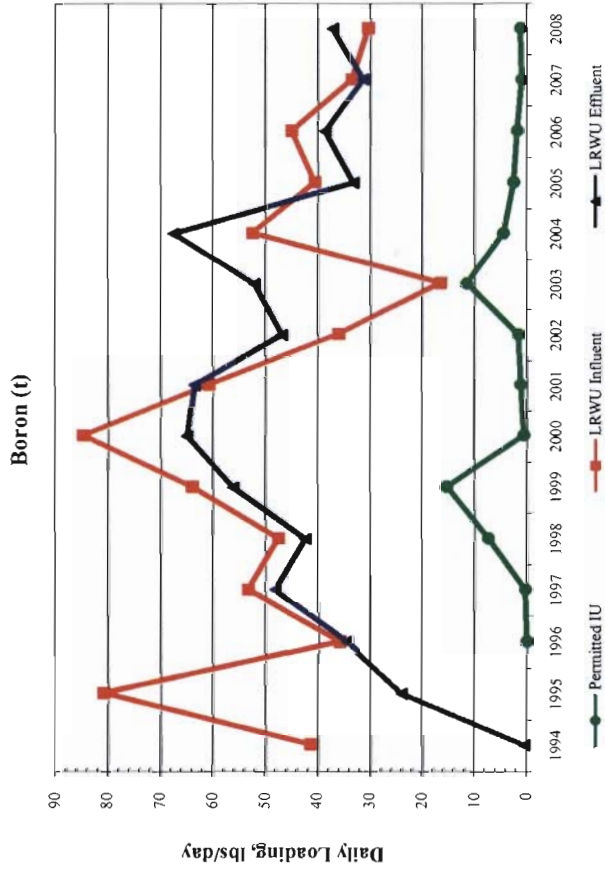
**LITTLE ROCK WASTEWATER  
ENVIRONMENTAL ASSESSMENT DIVISION  
LRWU TOTAL SYSTEM LOADING TRENDS**



**LITTLE ROCK WASTEWATER  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 LRWU TOTAL SYSTEM LOADING TRENDS**



**LITTLE ROCK WASTEWATER  
ENVIRONMENTAL ASSESSMENT DIVISION  
LRWU TOTAL SYSTEM LOADING TRENDS**



**BIOSOLIDS 2008**  
**SUMMARY OF ANALYTICAL RESULTS**

FOURCHE CREEK SLUDGE ANALYSES

Sludge from both the Adams Field and Fourche Creek Wastewater Treatment Plant's are anaerobically digested at the Fourche Creek Wastewater Treatment Plant (FCWTP). The stabilized biosolids are further treated by lagooning for a period of two to four years. Biosolids are land applied as a soil conditioner/fertilizer on grass farms and pasture lands in Pulaski County, Arkansas. A total of 5090 dry tons of biosolids were land applied during 2008.

Biosolids from Lagoon 1 and 2 were below the ceiling and pollutant concentrations listed in 40 CFR 503. Biosolids from both lagoons met Class A pathogen requirements 40CFR503.32(a)(6). The data collected prior to land application is organized in the following table:

- FCWTP Biosolids Lagoon Number 1 and 2 - This table includes the required metal test data from 40 CFR Part 503. The metals concentrations were below the 503.13 Table 1 Ceiling Concentrations and the 503.13 Table 3 Pollutant Concentrations. The ceiling concentrations and pollutant concentration limits, where applicable, are included in the table for comparison.



**FOURCHE CREEK WASTEWATER TREATMENT PLANT  
BIOSOLIDS 2008-LAGOONS 1 AND 2  
METAL ANALYSIS SUMMARY**

| Sample Date | Sample Location | Sample Type | Test Parameters - Reported in mg/kg dry |           |            |           |            |             |                      |            |             |            |       |        |  |  | % solids    | % volatile solids | pH          |
|-------------|-----------------|-------------|-----------------------------------------|-----------|------------|-----------|------------|-------------|----------------------|------------|-------------|------------|-------|--------|--|--|-------------|-------------------|-------------|
|             |                 |             | As(t)                                   | Cd(t)     | Cr(t)      | Cu(t)     | Pb(t)      | Hg(t)       | Mo(t)                | Ni(t)      | Se(t)       | Ag(t)      | Zn(t) | CN-(t) |  |  |             |                   |             |
| 3/25/2008   | 046-1-001       | grab        | 11.0 < 3.1                              | 70        | 366        | 48        | 1.5        | 11.0        | 31.0 < 7.0           | 38         | 1241        |            |       |        |  |  | 6.46        | 51.24             | 7.17        |
|             | 046-1-002       | grab        | 10.0 < 3.0                              | 61        | 370        | 45        | 1.4        | 11.0        | 37.9 < 7.0           | 29         | 1288        |            |       |        |  |  | 6.59        | 51.6              | 7.59        |
|             | 046-1-003       | grab        | 10.0                                    | 4         | 66         | 351       | 1.0        | 11.0        | 39.7 < 7.0           | 32         | 1167        |            |       |        |  |  | 7.41        | 50.49             | 7.53        |
|             | 046-1-004       | grab        | 10.0                                    | 3.7       | 66         | 378       | 46         | 0.9         | 11.0                 | 147 < 7.0  | 1221        |            |       |        |  |  | 6.82        | 50.77             | 7.71        |
|             | 046-1-005       | grab        | 8.0                                     | 5.1       | 65         | 378       | 37         | 1.0         | 8.6                  | 43.4 < 7.0 | 1272        |            |       |        |  |  | 6.59        | 50                | 7.79        |
|             | 046-1-006       | grab        | 9.9 < 2.8                               | 62        | 372        | 45        | 1.2        | 10.0        | 41.5 < 7.0           | 36         | 1228        |            |       |        |  |  | 6.98        | 51.04             | 7.56        |
|             | <b>Lagoon 1</b> | <b>AVG</b>  | <b>9.8 &lt; 3.6</b>                     | <b>65</b> | <b>369</b> | <b>45</b> | <b>1.2</b> | <b>10.4</b> | <b>56.8 &lt; 7.0</b> | <b>35</b>  | <b>1236</b> | <b>n/a</b> |       |        |  |  | <b>6.81</b> | <b>50.86</b>      | <b>7.56</b> |
| 3/25/2008   | 046-2-001       | grab        | 10.0 < 3.1                              | 57        | 383        | 45        | 1.0        | 11.0        | 22.9 < 7.0           | 23         | 1223        |            |       |        |  |  | 6.55        | 50.49             | 7.8         |
|             | 046-2-002       | grab        | 9.6 < 3.0                               | 68        | 385        | 45        | 0.9        | 10.0        | 22.5 < 7.0           | 30         | 1260        |            |       |        |  |  | 6.62        | 49.75             | 7.79        |
|             | 046-2-003       | grab        | 9.0 < 2.9                               | 57        | 378        | 44        | 1.0        | 10.0        | 28.6 < 7.0           | 28         | 1264        |            |       |        |  |  | 6.96        | 50.36             | 7.79        |
|             | 046-2-004       | grab        | 9.4                                     | 3.9       | 47         | 382       | 49         | 0.8         | 11.0                 | 23.6 < 7.0 | 1387        |            |       |        |  |  | 6.22        | 50.46             | 7.65        |
|             | 046-2-005       | grab        | 9.4 < 2.9                               | 51        | 399        | 47        | 1.1        | 11.0        | 21.9 < 7.0           | 30         | 1523        |            |       |        |  |  | 6.65        | 50.03             | 7.82        |
|             | 046-2-006       | grab        | 9.8 < 3.2                               | 47        | 382        | 97        | 0.6        | 11.0        | 23.7 < 7.0           | 31         | 1296        |            |       |        |  |  | 6.33        | 49.98             | 7.72        |
|             | <b>Lagoon 2</b> | <b>AVG</b>  | <b>9.5 &lt; 3.2</b>                     | <b>55</b> | <b>385</b> | <b>55</b> | <b>0.9</b> | <b>10.7</b> | <b>23.9 &lt; 7.0</b> | <b>29</b>  | <b>1326</b> | <b>n/a</b> |       |        |  |  | <b>6.56</b> | <b>50.18</b>      | <b>7.76</b> |

|                |                     |            |            |            |            |             |                      |                     |             |             |  |  |  |  |  |  |             |              |             |
|----------------|---------------------|------------|------------|------------|------------|-------------|----------------------|---------------------|-------------|-------------|--|--|--|--|--|--|-------------|--------------|-------------|
| <b>Average</b> | <b>9.7 &lt; 3.4</b> | <b>60</b>  | <b>377</b> | <b>50</b>  | <b>1.0</b> | <b>10.6</b> | <b>40.3 &lt; 7.0</b> | <b>32</b>           | <b>1281</b> |             |  |  |  |  |  |  | <b>6.68</b> | <b>50.52</b> | <b>7.66</b> |
| <b>Maximum</b> | <b>11.0</b>         | <b>5.1</b> | <b>70</b>  | <b>399</b> | <b>97</b>  | <b>1.5</b>  | <b>11.0</b>          | <b>147 &lt; 7.0</b> | <b>38</b>   | <b>1523</b> |  |  |  |  |  |  | <b>7.41</b> | <b>51.6</b>  | <b>7.82</b> |
| <b>Minimum</b> | <b>8.0 &lt; 2.8</b> | <b>47</b>  | <b>351</b> | <b>37</b>  | <b>0.6</b> | <b>8.6</b>  | <b>21.9 &lt; 7.0</b> | <b>23</b>           | <b>1167</b> |             |  |  |  |  |  |  | <b>6.22</b> | <b>49.75</b> | <b>7.17</b> |

|                                    |             |           |            |             |            |           |             |              |              |            |             |            |
|------------------------------------|-------------|-----------|------------|-------------|------------|-----------|-------------|--------------|--------------|------------|-------------|------------|
| <b>*Ceiling Conc., mg/kg dry</b>   | <b>75.0</b> | <b>85</b> | <b>n/a</b> | <b>4300</b> | <b>840</b> | <b>57</b> | <b>75.0</b> | <b>420.0</b> | <b>100.0</b> | <b>n/a</b> | <b>7500</b> | <b>n/a</b> |
| <b>*Pollutant Conc., mg/kg dry</b> | <b>41.0</b> | <b>39</b> | <b>n/a</b> | <b>1500</b> | <b>300</b> | <b>17</b> | <b>n/a</b>  | <b>420.0</b> | <b>36.0</b>  | <b>n/a</b> | <b>2800</b> | <b>n/a</b> |

\*40CFR Part 503.13 Table 1 and 3 Limits for Land Application

Biosolids analysis were performed using EPA SW-846 test methods for evaluation of solid waste

NUTRIENTS

FOURCHE CREEK WASTEWATER TREATMENT PLANT  
 BIOSOLIDS 2008-LAGOONS 1 AND 2  
 NUTRIENTS ANALYSIS SUMMARY

| Sample Date    | Sample          |            | Test Parameters - Reported in mg/kg dry |              |              |             |              |  |              | Total Kjeldahl Nitrogen | PCB* TCLP* |
|----------------|-----------------|------------|-----------------------------------------|--------------|--------------|-------------|--------------|--|--------------|-------------------------|------------|
|                | Location        | Type       | Nitrate(NO3)                            | Nitrite(NO2) | Phosphorus   | Potassium   | Ammonia as N |  |              |                         |            |
| March 25, 2008 | 046-1-001       | Grab       | < 0.5                                   | < 0.5        | 37000        | 2000        | 18000        |  | 56000        |                         |            |
|                | 046-1-002       | Grab       | < 0.5                                   | < 0.5        | 39000        | 2400        | 18000        |  | 39000        |                         |            |
|                | 046-1-003       | Grab       | < 0.5                                   | < 0.5        | 37000        | 2300        | 15000        |  | 41000        |                         |            |
|                | 046-1-004       | Grab       | < 0.5                                   | < 0.5        | 34000        | 2000        | 18000        |  | 43000        |                         |            |
|                | 046-1-005       | Grab       | < 0.5                                   | < 0.5        | 31000        | 1800        | 19000        |  | 50000        |                         |            |
|                | 046-1-006       | Grab       | < 0.5                                   | < 0.5        | 37000        | 2600        | 17000        |  | 48000        |                         |            |
|                | <b>Lagoon 1</b> | <b>AVG</b> | < 0.5                                   | < 0.5        | <b>35833</b> | <b>2183</b> | <b>17500</b> |  | <b>46167</b> | < 1.5 Pass              |            |
| March 25, 2008 | 046-2-001       | Grab       | < 0.5                                   | < 0.5        | 40000        | 2400        | 17000        |  | 47000        |                         |            |
|                | 046-2-002       | Grab       | < 0.5                                   | < 0.5        | 39000        | 2200        | 17000        |  | 45000        |                         |            |
|                | 046-2-003       | Grab       | < 0.5                                   | < 0.5        | 38000        | 2000        | 18000        |  | 44000        |                         |            |
|                | 046-2-004       | Grab       | < 0.5                                   | < 0.5        | 37000        | 2100        | 18000        |  | 51000        |                         |            |
|                | 046-2-005       | Grab       | < 0.5                                   | < 0.5        | 36000        | 2200        | 19000        |  | 46000        |                         |            |
|                | 046-2-006       | Grab       | < 0.5                                   | < 0.5        | 38000        | 2300        | 18000        |  | 45000        |                         |            |
|                | <b>Lagoon 2</b> | <b>AVG</b> | < 0.5                                   | < 0.5        | <b>38000</b> | <b>2200</b> | <b>17833</b> |  | <b>46333</b> | < 1.6 Pass              |            |

|                |       |       |       |      |       |       |       |      |
|----------------|-------|-------|-------|------|-------|-------|-------|------|
| <b>Average</b> | < 0.5 | < 0.5 | 36917 | 2192 | 17667 | 46250 | < 1.6 | Pass |
| <b>Maximum</b> | < 0.5 | < 0.5 | 40000 | 2600 | 19000 | 56000 | < 1.6 |      |
| <b>Minimum</b> | < 0.5 | < 0.5 | 35833 | 1800 | 15000 | 39000 | < 1.5 |      |

\* 503.6(e) 503 does not establish requirements for use or disposal if determined to be hazardous in accordance to 40CFR261.  
 \* 503.6(f) 503 does not establish requirements for use or disposal if concentration of PCBs is equal to or greater than 50 mg/kg dry.  
 Biosolids analysis were performed using EPA SW-846 test methods for evaluation of solid waste  
 PCB and TCLP sample for each lagoon was 6 part composite intergrated by weight.



# PPS Program Report

\* NPDES ID: AR0021806 Permittee's Name Little Rock

\* Report Received/Event Date: 4/1/09 Date 4/3/09

## Report Type

Select a Program Report to add

- Biosolids Program Report
- CAFO Annual Report
- CSO Event Report
- Local Limits Report
- MS4 Program Report
- Pretreatment Performance Summary Report
- SSO Annual Report
- SSO Event Report
- SSO Monthly Event Report
- Storm Water Event Report

## Report Information

\* Pretreatment Performance Summary Start Date: 1/1/08

### Significant Industrial Users (SIUs)

SIUs: 35

SIUs Without Control Mechanism: 0

SIUs Not Inspected: 0

SIUs Not Sampled: 0

SIUs in SNC with Pretreatment Standards: 1

SIUs in SNC with Reporting Requirements: 0

SIUs in SNC with Pretreatment Schedule: 0

SIUs in SNC Published in Newspaper: 1

SIUs Schedules: 0

Violation Notices Issued to SIUs: 2

Administrative Orders Issued to SIUs: 0

Civil Suits Filed Against SIUs: 0

Criminal Suits Filed Against SIUs: 0

### Categorical Industrial Users (CIUs)

CIUs: 15

CIUs in SNC: 1

### Penalties

Dollar Amount of Penalties Collected: \$ 0

Industrial Users (IUs) from which Penalties have been collected: 0

### Other Information

SUO Reference: \_\_\_\_\_

SUO Date: \_\_\_\_\_

Annual Pretreatment Budget: \$ \_\_\_\_\_

Pass-Through/Interference Indicator:

Adherence of IU Schedule for Remedial Measures:  No

Timely Response to Violation of IU Schedule for Remedial Measures:

## Local Limits

Date of Most Recent Technical Evaluation & or Local Limits: \_\_\_\_\_

Date of Most Recent Adoption of Technically Based Local Limits: \_\_\_\_\_

Local Limit Pollutants: \_\_\_\_\_

## Removal Credits

Removal Credits Application Status:  Not Applicable

Date of Most Recent Removal Credits Approval: \_\_\_\_\_

Removal Credits: \_\_\_\_\_

## Acceptance of Waste

Acceptance of Hazardous Waste:  No

Acceptance of Non-Hazardous Industrial Waste:  No

Acceptance of Hauled Domestic Wastes:  No

## Deficiencies

Deficiencies Identified During IU File Review:  No

Control Mechanism Deficiencies:  No

Legal Authority Deficiencies:  No

Deficiencies in Data Management and Public Participation:  No

Deficiencies in Interpretation and Application of Pretreatment Standards:  No

Inadequacy of Sampling and Inspections:  No

Adequacy of Pretreatment Resources:  Yes

## Annual Frequency

Annual Frequency of Influent Toxicant Sampling: 4

Annual Frequency of Effluent Toxicant Sampling: 4

Annual Frequency of Sludge Toxicant Sampling: \_\_\_\_\_