



March 31, 2008

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

PCS logged  
IUs ✓  
Inf/ERF logged  
AE  
NO action necessary

RE: 2007 Annual Pretreatment Program Report  
NPDES Permit AR0021806 – Adams Field WWTP  
NPDES Permit AR0040177 – Fourche Creek WWTP

AFIN # 6000409

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 2007, LRW continued activities pursuant to maintaining compliance with the General Pretreatment Regulations (40 CFR 403). Enclosed with this letter is the 2007 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 2007, no 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 # 6000409  
 Permit PN  
 Correspondence (Pretrea)  
 Technical Backup  
4/3/08 Date Scanned

TX  
RE

Page of

Contents

Summary

2007

Report

# **LITTLE ROCK WASTEWATER**

Analysis

## **2007 ANNUAL PRETREATMENT PROGRAM REPORT**

**Submitted March 31, 2008**

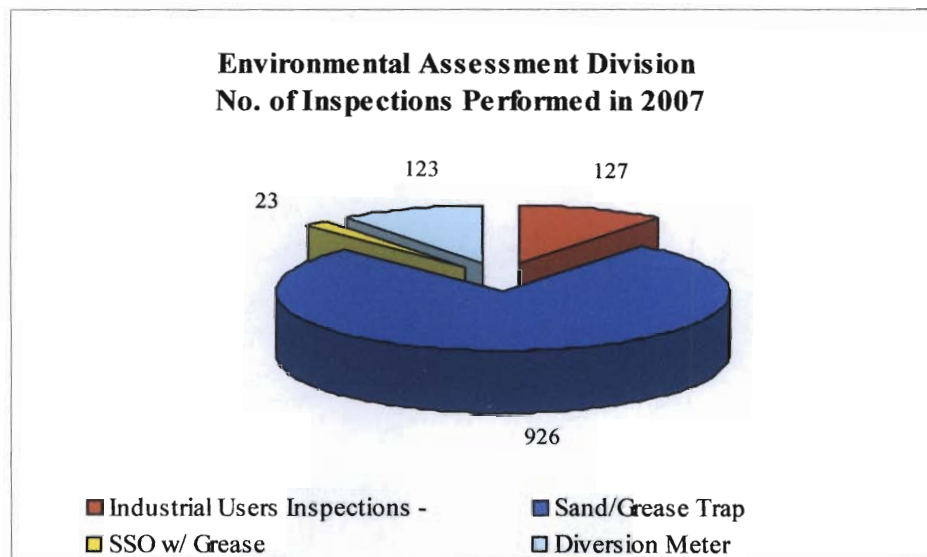
**LITTLE ROCK WASTEWATER  
ENVIRONMENTAL ASSESSMENT DIVISION**

**Industrial Pretreatment Program  
2007 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 2007, fifty-two (52) industries, with thirty-four (34) of Significant Industrial Users (SIU) status (15 of the 34 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 eighteen (18) non-SIU facilities for the purpose on controlling and monitoring discharge requirements or short term authorizations.

A total of 1,199 inspections and investigations were conducted at industrial and commercial facilities during 2007. For industry subject to permit requirements, 127 inspections were conducted to evaluate compliance with the EAD Industrial Pretreatment Program. EAD conducted 926 interceptor/trap program inspections at commercial facilities and 23 collection system investigations as measures to control discharge of prohibited solids and O&G. Sand/Grease Trap Inspections identified 163 items requiring corrective action. EAD also oversees meters used for non-sewered flow where users are allowed credit on sewer charges resulting in 123 inspections.





EAD is successful with addressing industry non-compliance and requiring necessary corrective measures to obtain a return to compliance. During 2007, fifteen (15) Violation Reports were completed to track industry violations for a return to compliance. Based on all sample results (1253) for compliance evaluation a compliance rate of 98.7 % was obtained in 2007. No industry in Significant Non-Compliance.

Whole effluent toxicity tests were conducted once per quarter 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. Biosolids generated at LRW are land applied as Exceptional Quality.

Extra strength surcharges for BOD/COD, TSS, O&G, and pH billed during the year of 2007 totaled approximately \$646,912. The City of Little Rock Sanitary Sewer Committee's adoption of the Consolidated Fee Schedule allowed EAD to administer Industrial Pretreatment Program fees totaling \$61,088 (including \$5,000 from the Trap Control Program). Such fees include permit fees, compliance monitoring fees, disposal fees and inspection fees. Additionally, Landfill Leachate billing was \$53,236 and hauled liquid waste revenues totaled \$6,300 for 2007. (Funding/Expenditure Report enclosed.)

The EAD staff promotes pollution prevention and continual IU compliance through the uses of several venues. Workshops, conferences, EPA guidance information, and award recognitions were tools employed to encourage adoption of pollution prevention activities.

During 2007, Little Rock Wastewater implemented and accomplished several pretreatment program activities as listed below.

#### **Program Development**

- EPA and the ADEQ Water Division performed a Pretreatment Program Audit of the LRW Pretreatment Program on September 11-13, 2007. Rudy Molina, EPA Region 6, Allen Gilliam and Rufus Torrence, ADEQ, performed the Audit. The Audit Report, dated October 25, 2007, required LRW to proceed to update procedures required in 40CFR403 Streamlining Rule in accordance to the NPDES permit and notify IU's of the Rule changes.
- EAD completed revisions to the Pretreatment **Program** and Ordinance required by 40CFR403 Streamlining. The City Board **approved** the Pretreatment Ordinance revisions during the 12/21/07 Board Meeting. The **proposed** changes and revisions to LRW Pretreatment Program were submitted to **Allen** Gilliam, ADEQ, on December 20, 2007.
- Pollution Prevention (P2) Award Ceremony was held at the Clinton Library. Reggie Corbitt, LRW CEO, presided over the presentation of seven (7) special acknowledgement certificates, five (5) P2 Awards, and one (1) Decade of Progress Award to selected LRW permitted Industrial Users.



- LRW hosted a Streamlining Workshop held on October 22, 2007, attended by Pretreatment personnel from Arkansas Pretreatment Programs. Jeff Davis, Pretreatment Supervisor, provided a Power Point presentation for implementing 403 required rule changes into the written programs and ordinances.
- LRW Pretreatment Program was nominated for an EPA Pretreatment Award. By request of ADEQ, application narratives were submitted for the EPA Pretreatment Award Application.
- Paul Foster, Industrial Inspector, passed the Wastewater Operators Class IV License exam.
- *EPA Region VI Pretreatment Conference* in Shreveport La., was attended by Jeff Davis. Jeff Davis was elected as Secretary/Treasurer Officer for the Association Board. Region VI includes Texas, Arkansas, Louisiana, New Mexico, and Oklahoma.
- Pretreatment Staff members attended the 76<sup>th</sup> *AWW&WEA State Conference* for operator training.
- Pretreatment Staff attended the *EPA NPDES Inspector Workshop* held at the Double Tree Hotel.
- Treatment plant process sampling data trend charts were evaluated. No pollutants show upward trends toward process inhibition, MAHLs or WQS. Mr. Fred Oswald, Consulting Engineer, conducted data evaluation and provided a letter to ADEQ certifying local limits are adequate.
- 2007 IU Survey information obtained from the Manufacturers Directory, Hazardous Waste Section from ADEQ, LR Municipal Water Works report and 2007 Phonebook and the business license list. The Little Rock Treasury Account Report was reviewed for the 2007 Survey. The Survey Form has been revised to include RCRA notification for all facilities to report to the POTW for waste that would otherwise be required to dispose of a hazardous waste. Industrial Wastewater Survey Form was mailed to multiple non-permitted facilities identified as possibly subject to provisions of the Pretreatment Program. This included over 200 medical and dental clinics.
- EAD notified Diversion Meter Account facilities by letter of discharges from cooling systems to storm water may be in violation of city storm water regulations. This has allowed Little Rock Public Works to utilize data from LRW inspections to require compliance with the City of Little Rock Storm Water Ordinance. 19,497.
- "A Slug Control Plan Evaluation" was placed in each SIU permit file to document evaluation of all SIU Slug Control Plans. Revised plans were received where required as needed.
- The LinkoCTS+™ Industry Management and LinkoFOG Facility Management, and Event Management, is utilized by EAD as a Pretreatment Program database for all investigated facilities and events.
- EAD Pretreatment Staff utilizes ArcView to locate facilities by linking the GIS No. for Linko as the BO\_Unique No. This also enables a color layer to identify EAD facilities and locations on ArcView maps.
- EAD Fees listed in the Consolidated Fee schedule are invoiced by pretreatment staff. A spreadsheet showing monthly and yearly invoice totals is used to track the EAD related invoices mailed.

- EAD staff collected biosolids samples certifying biosolids disposed as Class A EQ. Biosolids disposed in 2007 were Class A Exceptional Quality. This indicates the Pretreatment Program is preventing pollutant level impact on biosolids.

### **Industrial Relations**

- The 2007 the "Ten Years of Progress" P2 Ceremony was held at the Clinton Library. The following companies received awards:
  1. Dassault Falcon-Little Rock, Manufacturing Sector and 10 Years of Progress Award.
  2. University of Arkansas for Medical Sciences, Healthcare Sector
  3. Martinous Oriental Rug, Small Business Sector
  4. Unilever, Food Manufacturing Sector
  5. Central Flying Service, Service Sector
- Excellence Awards were mailed in 2007 to Excellence Award certificates were mailed to 34 permitted IUs on June 1, 2007 for perfect compliance during 2006.
- Special permitting issues in 2007:
  1. New permit issued to Phelps Fan.
  2. Permit modification issued to Wes-Pak.
  3. Air Transport International, Permit closed.
  4. Smurfit-Stone Container, Permit closed.
  5. Wheatland Tube, Permit closed.
  6. Smith Glass and Mirror, Permit closed.
  7. Restricted Short Term Authorization (RSTA) was issued to Scott Thone, Arkansas Portable Toilets. The RSTA was issued for May 25-29, 2007. During the term 14 loads of portable toilet waste were delivered to AFTP. Invoice at \$30 per load was mailed.
  8. Restricted Short Term Discharge Authorization for Porocel Corporation was issued on December 11, 2007 for hauling RO and scrubber water to AFTP. Alrite Septic Tank Service received a HLW Permit to transport the wastewater.
  9. Permit Application has been received for Porocel located on Arch Street Pike. Porocel is an existing industry that mills minerals and product materials for use in the absorbent and catalyst industry. Proposed discharge is from air scrubber system wastewater. Annexation for sewer connection is pending.
  10. Permit Application received for the Welspun Pipe facility currently under construction. Based on application IU will be subject to 40CFR433 Metal Finishing. Permit monitoring points will be required at end of process and total flow. Permit is pending.

### **Industrial Compliance**

- For 2007 no industry is Significant Noncompliance (SNC) as defined by 40CFR403.
- Compliance Enforcement Action requiring corrective measures and return to compliance monitoring during 2007 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
Arkansas Electric Coop	3/12/07		X	PCBs	1.15ug/L	0.5ug/L	
Arkansas Electric Coop	7/13/07		X	PCBs	2.63ug/L	0.5ug/L	
Arkansas Mental Health	11/5/07	X		pH	3.74 S.U.	5.0-12.0	
CertainTeed ✓	1/3/07	X		O&G	107 mg/L	100 mg/L	
CertainTeed ✓	4/26/07	X		O&G	170 mg/L	100.0 mg/L	
CertainTeed ✓	9/27/07		X	O&G	116 mg/L	100 mg/L	
Coca Cola Bottling ✓	7/9/07	X		pH	4.04 S.U.	5.0 -12.0	
Coleman Dairy ✓	4/18/07	X		pH	12.39 S.U.	5.0-12.0	
Coleman Dairy ✓	9/12/07	X		pH	12.33 S.U.	5.0-12.0	
Diamond Bear Brewery	8/30/07	X		pH	4.82 S.U.	5.0-12.0	
Essick Air ✓	6/6/07	X		zinc	2.2 mg/L		1.48mg/L*
Good Old Days Food ✓	9/13/07	X		pH	4.67 S.U.	5.0-12.0	
Good Old Days Food ✓	9/14/07	X		pH	4.33 S.U.	5.0-12.0	
Mountain Pure Water ✓	6/7/07	X		pH	4.65 S.U.	5.0 -12.0	
Odom's Sausage ✓	7/23/07	X		pH	4.98 S.U.	5.0 -12.0	

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

1. **Arkansas Electrical Cooperatives** IUSM from March 12, 2007 showed 1.15 ug/L PCBs, exceeding 0.5 ug/L discharge limit for PCBs. EAD sampling on the same day resulted in a <2 ug/L PCBs, less than the private labs detection limit. Charcoal filters were replaced and an additional oil filter assembly was installed as corrective action. Compliance sampling on 7/13/07 again showed a violation. The separator pit was pumped and cleaned due to contamination. Subsequent monitoring shows return to compliance.
2. **Arkansas Mental Health Services** pH violation (3.74 S.U.) on 11/5/07. Investigation revealed possible discharge of acid used in brick cleaning at a construction site. Construction crews were alerted for correct handling. Follow up pH values 7.97 and 7.19 showed return to compliance.
3. **CertainTeed**. EAD sampling on 1/3/07 revealed a violation of the O&G pretreatment standard day maximum of 100 mg/L at 107 mg/L. IU reported sampling on 1/4/07 showed return to compliance. CertainTeed O&G violation 170 mg/L was reported for 4/25/07; EAD sampling. IU was notified. IU response states a soap mixture overflow occurred; overflow containment was constructed. IUSM O&G sampling for 9/27/2007 reveal a third violation 116 mg/L. CertainTeed has stopped use of the Coco Oil and the production of Ply Based material which has been the source of past violations. Subsequent monitoring shows return to compliance.



4. A pH violation was reported at **Coca-Cola Bottling Co.** on July 9, 2007, the pH measured 4.04 S.U. Two follow up sampling events were conducted showing a return to compliance. IU investigated the pH violation but has not been able to find a cause.
  5. On 4/18/07, a pH violation of 12.39 S.U. was reported at **Coleman Dairy**. On 9/12/07 a pH violation at 12.33 S.U. occurred. Violations were caused by overload of the EQ system. Corrective action implemented-process discharge staggering. Return to compliance pH values obtained.
  6. **Diamond Bear Brewing** pH violation at 4.82 on 8/30/07 was detected. IU reported the cause to be a weak acid used in tank cleaning. Follow up pH values showed return to compliance.
  7. **Essick Air Products** violations of the Zinc monthly average limit (1.48 mg/L) and the Monthly Technical Review criteria limit was detected at 2.2 mg/L for June 6, 2007. IU had an inadvertent discharge from the wash tunnel recirculated cleaning water during a non production period. All subsequent sampling shows a return to compliance.
  8. Two pH violations reported at **Good Old Days Foods**. Return to compliance was conducted. The interceptor was clogged. IU cleaned system and neutralized pH for return to compliance.
  9. EAD sampling at **Mountain Pure Water LLC** revealed a pH Violation 4.65 S.U. on 6/7/07. The violation was caused by back wash from carbon towers overflowing the treatment silo with inadequate treatment. The discharge has been corrected and pH brought back up to acceptable discharge range. EAD sampling shows return to compliance pH events.
  10. On July 23, 2007 pH sampling at **Odom's Sausage** measured 4.98 SU. IU stated that the pretreatment system had been down because of low water. EAD sampling showed return to compliance pH events.
- Prohibited discharge enforcement actions requiring corrective actions for compliance:
    1. Odom's Sausage reported a pretreatment upset due to a polymer pump failure. EAD sampling data was obtained and calculations for surcharge for two days totaled \$2,055 based on 2 day flow and sampling. EAD invoiced Odom's separately from regular monthly surcharge billing since this was a reported upset of operations. Odom's Sausage submitted the written report on the pretreatment system polymer pump problems (10 hours) and reported a new pump has been installed. COD, TSS and O&G have returned to normal range.
    2. LRW maintenance notified EAD of petroleum contaminated wastewater in the sewer main between 7P012 to 7Q015. Manholes investigated upstream of 7Q 015 leading to the closed Celestica facility showed no petroleum residuals. A sample was obtained by EAD during line cleaning at manhole 7P012. Other facilities located on the sewer main between 7P012 to 7Q015 include Hug and Haul and Cameron Valve. Site visits were conducted at area facilities. Interceptors were cleaned.

### **Inspection and Investigations**

- Pretreatment staff evaluated several collection system discharge issues presented during 2007 with some noted below:
  1. Diamond Bear Brewery continually complained about costs requirements from LRW. Russ Melton, Owner, protested wastewater costs and hoped to convince LRW that Diamond Bear Brewery should not be subject to the Industrial Discharge Permit or other surcharge and monitoring requirements. High surcharge is due to high COD values. EAD stood behind the surcharge calculations.
  2. Diamond Bear Brewery did not install a sampling port as required by LRW. Russ Melton, Owner, indicated this requirement will not be met because the IU feels LRW is over regulating their business. LRW stated Federal, State, and local city laws require sewer rate payments. DBB submitted a letter for the Sanitary Sewer Committee asking for help with the sampling manhole requirements. DBB agreed to pay LRW to install the required sampling manhole. Diamond Bear Brewery surcharge monitoring is conducted at the new sampling inspection manhole. Diamond Bear Brewery continues to protest the surcharge costs.
  3. Little Rock City Landfill (LRCLF) proposed plans connecting gas condensate to the sanitary sewer from. A web search for information on disposal of Landfill Gas (LFG) condensate showed pH readings below 5 S.U. and COD reading over 14,000 mg/L. A common method of disposal of LFG condensate is to combine the condensate with leachate for treatment. LRCLF routed the gas condensate to the leachate collection system for aeration.
  4. LRW resolved issue with LRCLF pump station and force main. Concrete debris was either blocking the pumps or partially blocking the force main. LRW has installed force main cleanouts.
  5. Brooks Grease Pumper surveillance was conducted in response to recent complaints that the pumper is conducting improper cleaning procedures. Surveillance showed the pumper servicing grease recycling bins. No interceptors were cleaned during surveillance.
  6. EAD investigated a strong odor report from LRW Maintenance in manhole 0S-008 off of Mabelvale Pike. An odor was traced back to Arkansas Rental Sales and Service, 9300 Mabelvale Pike. Inspection was conducted. Corrective action letter to clean sand interceptor and control mineral spirits was mailed. Gas meter detected no explosive level during the investigation.
  7. EAD collected water samples at 5510 Sherwood Drive in response to a resident's complaint of a possible sanitary sewer leak in the area. Test results indicated the presence of FCB in the water samples that were collected. Information was provided to LRW Engineering.
  8. Southern Company's request to discharge water from the old Archer Daniel Midland (ADM) hexane storage tank was denied by LRW. When the tank was abandoned it was cleaned and filled with water to keep it from floating.
  9. Little Rock Powder Coating & Finish contacted EAD concerning his plans to install a dip tank (approximately 15 X 20 feet containing Rust Remover<sup>TM</sup>) to remove rust from automotive sheet metal prior to powder coating and painting



- operations. Mr. Gilliam, ADEQ, directed that the process itself is not categorical. The only wastewater will be the wash operation which is not part of the dip tank operation. IU currently does not have a permit.
10. EAD conducted an inspection of Granite Designs, 11421 Stagecoach Road. The facility cuts and shapes granite slabs for residential, governmental, and commercial facilities in kitchens, bathrooms, flooring, and general tiling. Water used in the cutting process discharges to the storm drain. The water used in the cutting process is from the building fire sprinkler meter. Public Works and ADEQ were notified.
  11. EAD investigated Arkansas Skatium. LRW F&A reported as a non-sewered account. Skatium stated they are on a septic system that is connected to the sanitary sewer. LRW line segment -3I031 to -3I025 runs parallel and within approximately 50 feet of the facility. EAD will advise F&A to change to sewer.
  12. Arkansas Container inspection indicates a non-sewered water meter feeds a boiler operation and processes that have no sewer discharge.
  13. A customer complaint of standing water at the intersections of Bent Tree and Hinson and Pebble Beach and Hinson was forwarded to EAD for investigation. EAD found one location (Pebble Beach and Hinson) to have standing water and samples were taken. Eight (8) additional samples were taken at three different locations of a creek in the proximity to the standing water for evaluation. All nine (9) samples were tested for TRC and nine (9) samples were delivered to Fourche Creek Lab for Fluoride testing.
  14. Sanitary sewer manhole investigation conducted for Big Boy Toys storage facility. Owner stated there is a disposal station only for his tenants. Also HHH Portable Toilets truck was seen leaving the facility. Follow up required the facility to close the dump station.
  15. Inspectors collected ground water samples at a residence at Stony Court in response to a complaint of sewage seeping out of the ground. Samples were delivered to the EAD lab.

#### **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.

- EAD followed up on two SSO's in a residential neighborhood; On November 25, 2007, 2916 Echo Valley Dr. manhole# OC-040 and 3010 Echo Valley Dr. manhole# OC-039 a resident called to complain of an overflow in the neighborhood. The cause of the reported SSO's was grease in the sewer lines. An investigation was conducted on November 28, 2007 and there were no commercial facilities in the reported area that could disperse grease into the sanitary sewer.
- EAD conducted 23 grease-related SSO investigations in 2007. All investigations but two revealed residential sector contributions only. One investigation resulted in a



- requirement letter for Double Tree to install an approved interceptor. One investigation resulted in a requirement for Purple Cow to clean their interceptor.
- 484 Ridgeway Dr. Manhole# 8G131- On December 10, 2007 a SSO was reported. An inspection was done on December 13, 2007 to determine if the neighborhood included a commercial contributor. There were no commercial findings.
  - EAD inspected 926 facilities with some type of interceptor or trap. This is an increase of 20% from 2006. Of those facilities 21% (196) corrective action items were required to clean or repair the interceptor or trap.
  - A total of 119 Construction Plans were reviewed with forty-six (46) Grease or Sand Interceptor Sizing Approvals Forms issued. This is a decrease of 23% over 2006 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: 72204	Arkansas 72204
Contact Person/Title:	Stanley Suel, EAD Director		
Contact Telephone Number:	501-688-1486		
Reporting Period	January 1, 2007 through December 31, 2007		

<b>II. Trap Control Compliance Monitoring</b>		
1.	Number of Trap Inspections Performed	926
2.	Number of Traps Requiring Cleaning	122
3.	Number of Traps Requiring Cleanout Replacement or Repair	56
4.	Number of Traps Requiring Repair	18
5.	Number of Facilities Requiring Trap Installation	30

<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	\$5,000.00

## 2007 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)	\$1,500
3.1.2	Industrial Permit Modification or Permit Transfer Fee (each action)	\$250
3.1.3	Categorical Discharger (CIU) - Annual Permit Fee (each outfall)	\$7,500
3.1.4	Non-Significant CIU (1-100 GPD) Annual permit Fee*	\$750
3.1.5	Significant "CIU Zero" Discharger - Annual Permit Fee*	\$0
3.1.6	Non-Significant "CIU Zero" Discharger Annual Permit Fee*	\$3,000
3.1.7	Categorical "Zero" Discharger (Domestic Only) Permit Fee*	\$1,500
3.1.8	Significant Industrial User - Annual Permit Fee*	\$12,000
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)	\$5,228
3.1.12	Late Reporting Fee (each occurrence)	\$0
<b>Sub Total</b>		<b>\$39,478</b>
<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	\$300
3.2.2	T/I Variance Request from Approved Specifications	\$2,400
3.2.3	T/I Follow-up Noncompliance Inspection (1st occurrence)	\$1,400
3.2.4	T/I Noncompliance Past LRWU Requirement (each past 1st occurrence)	\$600
3.2.5	T/I Overflow Investigation (Active Overflow of Interceptor)	\$300
3.2.6	T/I Noncompliance Sampling and/or Testing (each occurrence)	\$0
<b>Sub Total</b>		<b>\$5,000</b>
<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)	\$420
3.3.2	HLW Disposal Fee > 1000 Gallon Tanker Capacity (each load)	\$0
<b>Sub Total</b>		<b>\$420</b>
<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	\$1,100
3.4.4	Domestic Septage Waste Hauler Tanker Fee - (each truck or tanker)	\$0
3.4.5	HLW Noncompliance Inspection, Sampling, and/or Testing (each occurrence)	\$0
3.4.6	HLW Late Reporting Fee (each occurrence)	\$0
<b>Sub Total</b>		<b>\$1,100</b>
<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
<b>Sub Total</b>		<b>\$500</b>
<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
<b>Sub Total</b>		<b>\$0</b>
<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	\$0
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
<b>Sub Total</b>		<b>\$0</b>
<b>3.8 Diversion and Sewer Meter Inspection Fees</b>		
3.8.1	New Meter Installation - Review, On-site, Inspection, and Approval	\$3,300
3.8.2	Meter Annual Inspection (each meter and meter type)	\$7,575
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
<b>Sub Total</b>		<b>\$11,175</b>
<b>3.9 Fees for Other Approved Wastewater Sources</b>		
3.9.1	New Restricted Short Term Authorization - Application Fee	\$500
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	\$2,915
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
<b>Sub Total</b>		<b>\$3,415</b>
<b>Total</b>		<b>\$61,088</b>



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

	<u>2007 Actual</u>	<u>2008 Estimated</u>
<b>Funding</b>		
Surcharge Program	\$646,912	\$659,850
Hauled Liquid Waste/Landfill Leachate Program	\$59,536	\$60,727
Permitted Industrial Wastewater Discharge Fees	\$39,478	\$40,000
Trap/Interceptor Control Program Fees	\$5,000	\$5,100
Domestic Septage Waste Hauler Fees	\$1,520	\$400
Landfill Permit Fees	\$500	\$500
Diversion / Sewer Meter Fees	\$11,175	\$11,400
Special Discharge-Restricted Short Term Fees	\$3,415	\$3,000
<b>Total Funding</b>	<b>\$767,536</b>	<b>\$780,977</b>
<b>O&amp;M Expenditures</b>		
Salary		
Employee Salaries	\$516,553	\$594,361
Employee Benefits	\$230,360	\$259,543
Supplies/Maintenance		
Supplies/Equipment Maintenance	\$52,538	\$82,721
Vehicle Maintenance	\$8,782	\$8,875
Other		
Training and Development	\$2,293	\$6,038
Contract Services	\$16,681	\$21,125
Telephone	\$5,478	\$5,950
<b>Total O&amp;M Expenditures</b>	<b>\$832,686</b>	<b>\$978,613</b>
<b>Capital Expenditures</b>		
Replaced Sample Refrigerator	\$5,647	
Replace Spectrophotomer		\$9,400
Replace Laboratory Fume Hoods		\$63,000
Replace Flame/Furnace/AA System		\$102,000
<b>Total Capital Expenditures</b>	<b>\$5,647</b>	<b>\$174,400</b>
<b>Total Expenditures</b>	<b>\$838,333</b>	<b>\$1,153,013</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	<u>Little Rock Wastewater</u>		
Address	<u>11 Clearwater Drive</u>		
City	<u>Little Rock</u>	State/Zip	<u>AR 72204</u>
Contact Person	<u>Stanley Suel</u>	Position	<u>Director EAD</u>
Contact Telephone Number	<u>(501) 688-1486</u>		
NPDES Permit No's.	<u>AR 0040177 &amp; AR 0021806</u>		
Reporting Period	<u><b>January 1, 2007 through December 31, 2007</b></u>		
Total Number of Categorical IUs	<u>15</u>		
Total Number of Significant Non-categorical IUs	<u>19</u>		

II. Significant Industrial User Compliance			
		Significant Industrial Users	
		Categorical	Noncategorical
1	No. of SIUs Submitting BMRs/Total No. Required	<u>0 / 0</u>	<u>0 / 0</u>
2	No. of SIUs Submitting 90-Day Compliance Reports/No. Required	<u>0 / 0</u>	<u>0</u>
3	No. of SIUs Submitting Semiannual Reports/Total No. Required	<u>6 / 6</u>	<u>0 / 0</u>
4	No. of SIUs Meeting Compliance Schedule/Total No. Required to Meet Schedule	<u>0 / 0</u>	<u>0 / 0</u>
5.	No. of SIUs in Significant Noncompliance/Total No. of SIUs	<u>0 / 15</u>	<u>0 / 19</u>
6	Rate of Significant Noncompliance for all SIUs	<u>0 / 34</u>	

III. Compliance Monitoring Program			
		Significant Industrial Users	
		Categorical	Noncategorical
2	No. of Non-sampling Inspections Conducted	<u>28</u>	<u>32</u>
3	No. of Sampling Visits Conducted	<u>115</u>	<u>438</u>
4	No. of Facilities Inspected (non-sampling)	<u>15</u>	<u>19</u>
5	No. of Facilities Sampled	<u>11*</u>	<u>18**</u>

IV. Enforcement Actions			
		Significant Industrial Users	
		Categorical	Noncategorical
1	No. of Compliance Schedules Issued/No. of Schedules Required	<u>0 / 0</u>	<u>0 / 0</u>
2	No. of Notices of Violations issued to SIUs	<u>0</u>	<u>0</u>
3	No. of Administrative Orders Issued to SIUs	<u>0</u>	<u>0</u>
4	No. of Civil Suits Filed	<u>0</u>	<u>0</u>
5	No. of Criminal Suits Filed	<u>0</u>	<u>0</u>
6	No. of Significant Violators (attach newspaper publication)	<u>0</u>	<u>0</u>
7	Amount of Penalties Collected (total dollars/IUs assessed) ***	<u>\$1,006/1</u>	<u>\$3,626/5</u>
8	Other Actions (sewer bans, etc.)	<u>0</u>	<u>0</u>

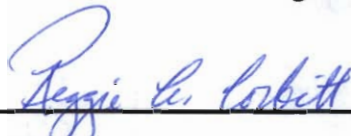
\* Categorical IU's: Not Sampled - Raytheon Aircraft, Hillcrest Camshaft, Smith Glass (closed), Air International (closed) - Domestic discharge only. No regulated discharge. Sampled domestic only- Progress Rail Service, Dassault Falcon, Central Jet.

\*\* National By-Products- 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.



Authorized Representative

Date

Reggie A. Corbitt, Chief Executive Officer



**LITTLE ROCK WASTEWATER  
SUMMARY OF INDUSTRIAL USER NONCOMPLIANCE  
1986 THROUGH 2007**

Year	Number of IUs In Significant Violation 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

**LITTLE ROCK WASTEWATER  
2007 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
Air Transport International ✓	3721 3724	40 CFR 433	CLOSURE 2/22/07	Y	N	1	0	NR	N/A	NR	NR	NO 433 DISCHARGE
Arkansas Painting and Specialties ✓	3714	40 CFR 433	RENEWED 12/21/07	Y	N	2	4	RD	N/A	RD	RD	C
Central Jet (Central Flying Service) ✓	4581	40 CFR 433	RENEWED 9/1/06	Y	N	1	4	N/A	N/A	NR	NR	NO 433 DISCHARGE
CertainTeed ✓	2952	40 CFR 443	RENEWED 4/1/2006	Y	N	2	21	N/A	N/A	RD	RD	NC-O&G NO 433 DISCHARGE
Dassault Falcon Jet Corp ✓	3728	40 CFR 433	RENEWED 12/01/2006	Y	N	3	12	N/A	N/A	NR	NR	NO 433 DISCHARGE
Essick Air ✓	3499	40 CFR 433	RENEWED 11/01/06	Y	N	1	6	N/A	N/A	RD	RD	NC-Zn(1) NO 433 DISCHARGE
Hillcrest Camshaft Service, Inc. ✓	3714	40 CFR 433	REVISED 9/1/06	Y	N	4	0	N/A	N/A	NR	NR	NO 433 DISCHARGE
Interstate Highway Sign Company ✓	3993 7399	40 CFR 433	RENEWED 2/01/2006	Y	N	2	21	N/A	N/A	RD	RD	C
Cameron Valve ✓	3494	40 CFR 433	REVISED 10/1/06	Y	N	1	4	RD	N/A	NR	NR	NO 433 DISCHARGE
Progress Rail Services ✓	3562 3471	40 CFR 433	RENEWED 5/01/2007	Y	N	1	1	N/A	N/A	NR	NR	NO 433 DISCHARGE
Raytheon Hawker Beechcraft ✓	3721	40 CFR 433	RENEWED 3/1/06	Y	N	1	0	N/A	N/A	NR	NR	NO 433 DISCHARGE
Smith Glass & Mirror ✓	7699	40 CFR 413	CLOSED 6/20/07	Y	N	1	0	N/A	N/A	NR	NR	NO 433 DISCHARGE
St. Vincent Hospital ✓	8062 2834	40 CFR 439	REVISED 2/1/06	Y	N	1	16	RD	N/A	RD	RD	C
Tire Curing Bladders LLC ✓	3011	40 CFR 428	RENEWED 1/1/2006	Y	N	1	2	N/A	N/A	NR	NR	NO 428 DISCHARGE
Wheatland Tube - Omega Division ✓	3317	40 CFR 420	CLOSURE 11/6/07	Y	N	6	24	N/A	N/A	RD	RD	C
Ameripride Linen and Apparel Services ✓	7218	N/A	RENEWED 12/21/07	Y	N	1	28			By POTW		C

# LITTLE ROCK WASTEWATER

3/4/2008

## 2007 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
Arkansas Childrens Hospital	8062	N/A	REVISED 12/22/04	Y	N	1	46		By POTW			C
Arkansas Mental Health Services	8062	N/A	RENEWED 3/01/03	Y	N	1	13		By POTW			NC - pH
Baptist Med Center	8062	N/A	RENEWED 7/01/06	Y	N	3	40		By POTW			C
Unilever	2099	N/A	RENEWED 12/01/2006	Y	N	2	13		By POTW			C
Coca-Cola Bottling	2086	N/A	RENEWED 2/01/2007	Y	N	3	27		By POTW			NC - pH
Turner Coleman Dairy	2026	N/A	RENEWED 10/01/2007	Y	N	3	58		By POTW			NC - pH
Dusty Mop and Mat	7218	N/A	RENEWED 6/1/2005	Y	N	1	8		By POTW			C
Jack Wilson WTP	4941	N/A	RENEWED 2/01/06	Y	N	1	29		By POTW			C
Little Rock Central Laundry	7218	N/A	RENEWED 6/1/2005	Y	N	1	6		By POTW			C
Little Rock City Landfill	5622	N/A	RENEWED 4/01/06	Y	N	1	8		By POTW			C
McClellan VA Medical Hospital	8062	N/A	RENEWED 6/01/04	Y	N	1	24		By POTW			C
Mountain Pure Holding, L.L.C.	5149	N/A	RENEWED 12/1/2007	Y	Y	1	40		By POTW			NC - pH
Darling International	2077	N/A	RENEWED 8/1/06	Y	N	1	0		By POTW			Domestic Only
Odom's Tennessee Pride Sausage	2013	N/A	RENEWED 10/01/2006	Y	N	5	39		By POTW			NC - pH
Ozark Point WTP	4941	N/A	RENEWED 12/1/07	Y	N	1	29		By POTW			C
St. Vincent/Doctors Hospital	8062	N/A	RENEWED 6/01/04	Y	N	2	24		By POTW			C
Stone Container Corp.	2653	N/A	<del>CLOSED</del> 3/9/07	Y	N	2	2		By POTW			C
Univ. of Ark Med Center	8062	N/A	RENEWED 2/01/03	Y	N	1	4		By POTW			C



**LITTLE ROCK WASTEWATER  
2007 INDUSTRIAL USER LIST**

3/4/2008

<b>No. of Permitted IU's Classified as Federal Categoricals</b>	<b>15</b>
<b>No. of Permitted IU's Classified as Significant Industrial Users</b>	<b>19</b>
<b>No. of Permitted IU's Classified as Non-Significant Industrial Users</b>	<b>14</b>
<b>No. of Special Permits for Landfill Leachate or RSTA (hailed by tanker truck)</b>	<b>4</b>
<b>Total No. of IU's Permitted by LRW</b>	
	<b>52</b>

**Categorical Industries**

Facility Name	Classification	Federal Cat. Standard No.	Manufacturing Process	Total Flow (gpd)	Work Days/Month	Routine Pollutant Monitoring/Other
Air Transport International	Federal Categorical	40 CFR 433	Aircraft Brakes	Closed 2007	22	Permit to discharge domestic wastewater only
Arkansas Painting and Specialties	Federal Categorical	40 CFR 433	Phosphate Coating	21,547	22	pH, Zn, CN, Ni, Cu, Pb, Cd, Cr, Ag
Central Jet Group - Little Rock	Federal Categorical	40 CFR 433	Aircraft Refurbishing	7,679	30	pH, Permit to discharge nonregulated wastewater
CertainTeed Corporation	Federal Categorical	40 CFR 443	Asphalt Rolled Roofing Production	60,414	30	TSS, O&G, pH
Dassault Falcon Jet Corp	Federal Categorical	40 CFR 433	Custom Jet Aircraft	16,083	22	Permit to discharge domestic wastewater only
Essick Air Products	Federal Categorical	40 CFR 433	Iron Phosphate Coating	15,232	22	Zn, Cr, Pb, pH, Cd, CN(t), Ni, Cu, Ag
Hillcrest Camshaft Service, Inc.	Federal Categorical	40 CFR 433	Electroplating New Source	2,445	22	Permit to discharge domestic wastewater only
Interstate Highway Sign Company	Federal Categorical	40 CFR 433	Highway Signs	1,890	22	Cr, pH, Cu, Zn, Pb, Cd, Ni, Ag, CN(t)
Cameron Valve	Federal Categorical	40 CFR 433	Steel Oil Field Valves	41,565	22	Zn, Pb, pH, Permit to discharge nonregulated wastewater
Progress Rail Services	Federal Categorical	40 CFR 433	Chrome Plating	1,646	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
Smith Glass and Mirror	Federal Categorical	40 CFR 433	Resilver Mirrors	Closed 2007	22	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
Wheatland Tube	Federal Categorical	40 CFR 422	Steel Pipe Mill	Closed 2007	30	COD, Cr, VI, Zn, pH, Pb, Napthalene, Tetrachloroethelene

**LITTLE ROCK WASTEWATER  
2007 INDUSTRIAL USER LIST**

3/4/2008

**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	28,956	22	BOD, COD, TSS, O&G, pH
Arkansas Childrens Hospital ✓	SIU		Hospital	101,297	30	East: COD, TSS, O&G, pH, Hg, Ag, BOD, West: BOD, TSS, O&G, pH, Hg, Ag, COD
Arkansas Mental Health Services ✓	SIU		Hospital	38,151	30	BOD, COD, TSS, O&G, pH
Baptist Med Center	SIU		Hospital	225,877	30	BOD, TSS, O&G, pH, Ag, Hg
Coca-Cola Bottling	SIU		Soft Drink Bottling	134,340	22	BOD, COD, TSS, O&G, pH
Coleman Dairy	SIU		Dairy Products & Bottled Water	119,412	30	BOD, COD, TSS, O&G, pH
Dusty Mop and Mat	SIU		Industrial Laundry	23,153	16	BOD, COD, TSS, O&G, pH
Jack Wilson WTP	SIU		Water Treatment Plant	105,623	30	BOD, COD, TSS, O&G, pH
Little Rock Central Laundry ✓	SIU		Industrial Laundry	17,961	26	BOD, COD, TSS, O&G, pH
Little Rock Landfill ✓	SIU		Municipal Landfill	27,563	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	114,123	30	COD, O&G, pH, Hg, Ag, BOD, TSS
Mountain Pure Holding	SIU		Fruit Juice and Water Bottling	86,456	30	BOD, COD, TSS, O&G, pH
National By Products ✓	SIU		Grease Recycling	1,056	22	Permit to discharge domestic wastewater only
Odom's Tennessee Pride Sausage	SIU		Slaughter & Package Pork	344,732	22	BOD, COD, TSS, O&G, pH
Ozark Point WTP ✓	SIU		Water Treatment Plant	69,246	30	BOD, COD, TSS, O&G, pH
Stone Container Corp.	SIU		Corrugated Boxes	closed 2007	22	BOD, COD, TSS, O&G, pH, Cu
St. Vincent/Doctors Hospital ✓	SIU		Hospital	44,861	30	COD, pH, Ag, Hg, BOD, TSS, O&G
Unilever	SIU		Peanut Butter	17,775	22	BOD, COD, TSS, O&G, pH
Univ. of Ark Med Center	SIU		Hospital	527,332	30	BOD, TSS, O&G, pH, Hg, Ag, COD

**LITTLE ROCK WASTEWATER  
2007 INDUSTRIAL USER LIST**

3/14/2008

**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 Heart Hospital	Non-SIU		Hospital	32,733	30	BOD, COD, TSS, O&G, pH
BFI Landfill ✓	Non-SIU		Landfill	1,583	30	As, Cd, Cu, Cr, Pb, Ni, Mo, Hg, Ag, Se, Zn, B, Mn, pH,
Clark Machinery ✓	Non-SIU		Construction Equipment	1,148	22	BOD, COD, TSS, O&G, pH, Hg
Democrat Printing and Litho ✓	Non-SIU		Printing Company	5,934	30	COD, BOD, pH, TSS, O&G, Ag, Zn, Pb, Cu, Se
Diamond Bear Brewing	Non-SIU		Beer Brewery	2,337	24	BOD, COD, TSS, O&G, pH
Good Old Days Foods ✓	Non-SIU		Frozen Fruit Cobbler	6,582	22	BOD, COD, TSS, O&G, pH
Griffin Industries ✓	Non-SIU		Pork Hide Drying	775	22	BOD, COD, TSS, O&G, pH
I-30 Tank Wash ✓	Non-SIU		Truck Wash	2,989	22	BOD, COD, TSS, O&G, pH
Southwest Hospital ✓	Non-SIU		Hospital	11,484	30	BOD, COD, TSS, O&G, pH, Ag
Martinoise 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-Pac, 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	Federal Cat. Standard No.	Manufacturing Process	Total gal/2005	Work Days/Month	Routine Pollutant Monitoring/Other
Two Pine Landfill ✓	Non-SIU		Landfill	0	22	As, Cd, Cu, Cr, Pb, Ni, Mo, Hg, Ag, Se, Zn, B, Mn, pH,
Jefferson County Landfill ✓	Non-SIU		Landfill	0	22	As, Cd, Cu, Cr, Pb, Ni, Mo, Hg, Ag, Se, Zn, B, Mn, pH, CN(t), O&G
Arkansas Portable Toilets	RSTA		Portable	6000 / Truck	N/A	Approved domestic Only
Porocel	RSTA		Mineral Milling	3650 / Truck	22	TCLP, Zn, Pb, Cu.



## 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 2007 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 2007 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 2007 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 2007. Part II includes a summary of positive measurements from 1996 through 2007. Table II monitoring frequency for 2007 is once per year for the Fourche Creek Treatment Plant influent and effluent in accordance with the NPDES permit (NPDES Permit AR 0040177). The Adams Field Treatment Facility NPDES permit requires Table II monitoring once every six months. Monitoring was performed in June and July 2007. Organic fraction charts trend detections for 1996 through 2007.
- Treatment Plant 1994-2007 Concentration Trends – This section includes graphs showing influent and effluent concentration trends for the past fourteen years.

**MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT  
REPORTING YEAR: JANUARY 1, 2007 TO DECEMBER 31, 2007**

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

NPDES PERMIT NO.: AR0021806

AVERAGE POTW FLOW: 22.35 MGD

PERCENT (%) IU FLOW: 8 %

PLANT INFLUENT	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	335.2 / 4500C	389.1 / 200.8 / 0.006 / 0.003 / 0.007	311.18	213.2 / 200.8	218.2 / 200.8	273.1 / 200.8	220.2 / 200.8	246.2 / 200.8	249.2 / 200.8	239.2 / 200.8	200.8	200.8	245.2	420.1	200.7	200.7	200.7 / 279.2	200.8	200.8	200.7	
Detection Level Achieved	5	0.01 / 0.002	0.007	0.120	0.5 <	7.0	3.8	31	6	4	2 <	1 / 10	2 / 5	0.2	3	0.03 / 0.05	0.003 / 0.005	0.010	0.002	0.002	0.1	
1/29-30/2007	21.73			0.120	0.5 <	7.0	3.8	31	6	4	2 <	1 / 10	2 / 5	0.2	3	0.03 / 0.05	0.003 / 0.005	0.010	0.002	0.002	0.1	
2/12-13/2007	18.61						3.6	32	6	6	3			< 0.2		< 0.050						
2/26-27/2007	34.79	33 <	0.01												27							
3/27-28/2007	14.28													< 0.2		< 0.050						
4/16-17/2007	26.16			0.13	0.2	8.5	2.4	33 <	8 <	5	3.8 <	1 <	2 <	0.2		0.142 <	0.005 <	0.010				
5/15-16/2007	18.70													< 0.2		< 0.050						
6/11-12/2007	18.86	12 <	0.002												34							
7/16-17/2007	19.24	27 <	0.002												24							
7/17-18/2007	18.50													< 0.2		< 0.050 <	0.005 <	0.010				
8/15-16/2007	15.00			0.177										< 0.2							0.179	
9/11-12/2007	36.79			0.083 <	1.0 <	10.0 <	2.0	31 <	8 <	40 <	5 <	10 <	5 <	0.2					0.3	0.036		
10/23-24/2007	35.23	16 <	0.002	0.097	0.2 <	7.0	1.8	25 <	8 <	10	5 <	1 <	2 <	0.2	8	< 0.050 <	0.005 <	0.010	0.58	0.038		
11/14-15/2007	15.76													< 0.2								
12/12-13/2007	63.38													< 0.2								
Average	25.50	22 <	0.004	0.121	0.5	8.1	2.7	30	7	13	4 <	3 <	3 <	0.2	23	0.060 <	0.0038 <	0.010	0.440	0.037	0.179	
Maximum	63.38	33 <	0.010	0.177 <	1.0 <	10.0	3.8	33 <	8 <	40 <	5 <	10 <	5 <	0.2	34	0.142 <	0.0050 <	0.010	0.580	0.038	0.179	
Minimum	14.28	11.9 <	0.002	0.083	0.2 <	7.0	1.8	25	6	4 <	2 <	1 <	2 <	0.2	8	< 0.030 <	0.0003 <	0.010	0.300	0.036	0.179	
Headworks limit		0.09		0.36	9.0	260.0	180.0	270		160	50	14	10	0.2								

Comments:

**MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT  
REPORTING YEAR: JANUARY 1, 2007 TO DECEMBER 31, 2007**

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

NPDES PERMIT NO.: AR0021806

AVERAGE POTW FLOW: 22.35 MGD

PERCENT (%) IU FLOW: 8 %

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		
		1664A	335.2 / 4500G	289.1 / 200.8 / 311B	213.2 / 200.8	214.2 / 200.8	272.2 / 200.8	220.2 / 200.8	246.2 / 200.8	249.2 / 200.8	220.2 / 200.8	200.8	200.8	245.2	420.1	200.7	200.7	200.7 / 279.2	200.8	200.8	200.7		
		5	0.01 / 0.002	0.006 / 0.0027	0.1 / 0.1 / 1	0.3 / 1 / 7 / 10	0.1 / 0.2 / 2	2 / 1 / 6 / 10	1 / 8	3 / 4 / 10	2 / 5 / 1	1 / 10	2 / 5	0.3	3	0.03 / 0.05	0.0003 / 0.005	0.010	0.002	0.002	0.002	0.1	
				0.039	< 0.1	< 7.0	0.6	6	4	1	< 2	< 1	< 2	< 0.2	< 0.050	< 0.000	< 0.01	< 0.01					
1/29-30/2007	21.30																						
2/12-13/2007	24.14						0.7	6	3	1	< 2			< 0.2									
2/26-27/2007	31.48	5.3	0.01												5								
3/27-28/2007	13.96																						
4/16-17/2007	21.70			0.032	< 0.1	< 1.0	0.3	4	< 8	3	< 1	< 1	< 2	< 0.2		< 0.050	< 0.005	< 0.01					
5/15-16/2007	19.51																						
6/11-12/2007	17.29	< 5.0	0.009																				
06/28-29/2007	15.10														3								
7/16-17/2007	11.10	5.5	0.002												< 3								
7/17-18/2007	17.63															< 0.050	< 0.005	< 0.01					
8/15-16/2007	14.00			0.052																		0.166	
9/11-12/2007	31.51			0.056	< 1.0	11.0	< 2.0	< 10	< 8	< 40	< 5	< 10	< 5	< 0.2					0.095	0.008			
10/23-24/2007	42.26	< 5.0	0.005	0.037	< 0.1	< 7.0	0.4	6	< 8	< 10	< 1	< 1	< 2	< 0.2	5	< 0.050	< 0.005	< 0.01	0.17	0.012			
11/14-15/2007	17.08																						
12/12-13/2007	64.34																						
Average	24.16	5.2	0.007	0.039	< 0.3	6.5	0.8	7	6	11	< 2	< 3	< 3	< 0.2	4	< 0.045	< 0.0038	< 0.010	0.1325	0.010	0.166		
Maximum	64.34	5.5	0.010	0.052	< 1	11.0	< 2.0	< 10	< 8	< 40	< 5	< 10	< 5	< 0.2	5	< 0.050	< 0.0050	< 0.010	0.17	0.012	0.166		
Minimum	11.10	< 5.0	< 0.002	0.032	< 0.1	< 1.0	< 0.3	4.3	3	< 1	< 1	< 1	< 2	< 0.2	3	< 0.030	< 0.0003	< 0.010	0.095	0.008	0.166		
WQS Effluent Level																							
Day Max.			0.058	1.700	54.0	11200.0	57.0	214		4950	198	2380	56	0.1									
Month Avg.			0.029	0.850	27.0	5590.0	28.0	106		2490	98	1190	28	0.07									

Comments:



**MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT**  
**REPORTING YEAR: JANUARY 1, 2007 TO DECEMBER 31, 2007**

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

**NPDES PERMIT NO.: AR0040177**

**AVERAGE POTW FLOW: 9.89 MGD**

**PERCENT (%) IU FLOW: 5.8 %**

PLANT	Flow	O&G	CN-	Zn	Cd	Cr	Ag	Cu	Mo	Ni	Pb	As	Se	Hg	Phenol	Sb	Be	Tl	Mn	Ba	B
INFLUENT	MGD	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EPA Test Method Used	1664A	335.2/45000	38517/20037	31118	213.2/200.8	218.2/200.8	272.2/200.8	220.2/200.8	246.2/200.8	349.2/200.8	330.2/200.8	200.8	200.8	245.2	420.1	200.7	200.7	200.7/279.2	200.8	200.8	200.7
Direction Level Achieved	5	0.01/0.002	0.0067/0.0027	0.007	0.1/0.1/1	0.3/1/1/7/10	0.1/0.2/2	2/1/6/7/10	1/8	2/40/7/10	2/5/1	1/10	2/5	0.2	3	0.03/0.05	0.0003/0.005	0.010	0.002	0.002	0.002
1/29-30/2007	8.07			0.520	0.7	16.0	11.3	133	8	20	5	3.3	2	< 0.2	< 0.030	0.0004	< 0.01				
2/12-13/2007	7.93						2.0	33	2	7	8			< 0.2							
2/25-27/2007	10.15													< 0.2	36			0.01			
3/27-28/2007	8.66													< 0.2							
4/16-17/2007	7.86			0.110	0.3	< 1.0	0.6	19	8	6	2.8	1	2	< 0.2	< 0.050	< 0.0050	< 0.01				
5/15-16/2007	10.56													< 0.2							
6/11-12/2007	9.19			35.0											80						
7/16-17/2007	9.67			30.0											112						
7/17-18/2007	9.60													< 0.2	< 0.050	< 0.0050	< 0.01				
8/15-16/2007																					
9/11-12/2007	13.35			0.14	1.1	14.0	2.0	46	8	40	18	10	5	< 0.2				0.54	0.063	< 0.1	
10/23-24/2007	14.89													< 0.2	26	< 0.050	< 0.0050	< 0.01			
10/29-30/2007	10.82			0.133	0.8	9.9	1.9	38	8	10	6.4	1.6	2	< 0.2	< 0.050	< 0.0050	< 0.01	1.2	0.046		
11/27-28/2007	9.09													< 0.2							
12/12-13/2007	21.17													< 0.2							
Average	10.79	29.5	< 0.004	0.226	0.7	10.2	3.6	54	7	17	8	4	3	0.2	64	< 0.046	< 0.0041	< 0.010	0.870	< 0.055	0.1
Maximum	21.17	35.0	< 0.010	0.520	1.1	16.0	11.3	133	8	40	18	10	5	0.2	112	< 0.050	< 0.0050	< 0.010	1.200	< 0.063	0.1
Minimum	7.86	25.0	< 0.002	0.110	0.3	1.0	0.6	19	2	6	3	1	2	< 0.2	26	< 0.030	< 0.0004	< 0.010	0.540	< 0.046	0.1
Headworks limit			0.09	0.360	9.0	260.0	180.0	270		160	50	14	10	0.2							

**Comments:** 08/15-16/2007 - A sampler failure was experienced at the Influent Monitoring Point

**MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT  
REPORTING YEAR: JANUARY 1, 2007 TO DECEMBER 31, 2007**

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

**NPDES PERMIT NO.: AR0040177**

**AVERAGE POTW FLOW: 9.89 MGD PERCENT (%) IU FLOW: 5.8 %**

FINAL EFFLUENT	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	335.2 / 4500G	28.17/200.8 / 3111B	213.2 / 200.4	218.3 / 200.8	372.2 / 200.8	250.2 / 200.8	246.2 / 200.8	249.2 / 200.8	219.2 / 200.8	200.8	200.8	245.2	420.1	200.7	200.7	200.7 / 279.2	200.8	200.8	200.7
	pretreatment Level Achieved	5	0.01 / 0.002	0.007 / 0.0027	0.1 / 0.1	0.2 / 1.2 / 1.0	0.1 / 0.3 / 1.3	2 / 1.6 / 1.0	1 / 8	2 / 40 / 1.0	2 / 5 / 1	1 / 10	2 / 5	0.2	3	0.03 / 0.05	0.0003 / 0.005	0.010	0.002	0.002	0.002
1/29-30/2007	7.18			0.028	0.3	7.0	0.3	20	4	4	2	1	2	< 0.2		< 0.030	< 0.0003	< 0.01			
2/12-13/2007	7.93				2.0			33	2	7	8			< 0.2	6						
2/26-27/2007	9.94	< 5.0	< 0.010																		
3/27-28/2007	7.50																				
4/16-17/2007	8.49																				
5/15-16/2007	13.53																				
06/11-12/2007	10.52	< 5.0	0.012																		
7/16-17/2007	11.10	5.3	0.006																		
7/17-18/2007	11.69			0.027																	
8/15-16/2007	11.69																				
9/11-12/2007	14.26			0.009	1.0	10.0	2.0	10	8	40	5	10	5	< 0.2							
10/23-24/2007	21.18	< 5.0	0.010																		
10/30/2007	12.95			0.024	0.3	7.0	0.2	6	8	10	1	1	2	< 0.2							
11/27-28/2007	12.60																				
12/12-13/2007	29.48																				
<b>Average</b>	12.77	5.1	0.010	0.024	0.4	6.3	0.9	15	6	13	3	3	3	< 0.2	7	0.045	0.0038	0.01	0.6	0.008	0.1
<b>Maximum</b>	29.48	5.3	0.012	0.033	1.0	10.0	2.0	33	8	40	8	10	5	< 0.2	12	0.050	0.0050	0.01	1.1	0.01	0.1
<b>Minimum</b>	7.18	5.0	0.006	0.009	0.1	1.0	0.2	6	2	4	1	1	2	< 0.2	4	0.030	0.0003	0.01	0.1	0.01	0.1
<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							

Comments:

**MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT**  
**TREATMENT PLANT PERCENT REMOVAL EFFICIENCIES**  
**REPORTING YEAR: JANUARY 1, 2007 TO DECEMBER 31, 2007**

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

	O&G	CN	Zn	Cd	Cr	Ag	Cu	Mo	Ni	Pb	As	Se	Hg	Phenol	Sb	Be	TI	Mn	Ba	B
1/29-30/2007			67.5%	79.2%	0.0%	84.2%	80.6%	33.3%	75.0%	0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%			
2/12-13/2007						80.6%	81.3%	50.0%	83.3%	33.3%				81.5%						
2/26-27/2007	83.9%	0.0%																		
3/27-28/2007																				
4/16-17/2007			75.4%	58.3%	88.2%	88.8%	87.0%	0.0%	40.0%	73.7%	0.0%	0.0%	0.0%		64.8%	0.0%	0.0%			
5/15-16/2007																				
6/11-12/2007	58.0%	-350.0%																		
7/16-17/2007	79.6%	0.0%												87.5%						
7/17-18/2007																				
8/15-16/2007			70.6%																	
9/11-12/2007			56.6%	0.0%	-10.0%	0.0%	67.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				68.3%	76.7%		
10/23-24/2007	68.8%	-150.0%	61.9%	37.5%	0.0%	80.0%	74.8%	0.0%	0.0%	81.1%	0.0%	0.0%	0.0%	37.5%	0.0%	0.0%	70.7%	68.4%		
11/14-15/2007																				
12/12-13/2007																				
Average	72.6%	-125.0%	66.4%	43.8%	19.6%	66.7%	78.3%	16.7%	39.7%	37.6%	0.0%	0.0%	0.0%	68.8%	16.2%	0.0%	69.5%	72.5%		7.3%

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

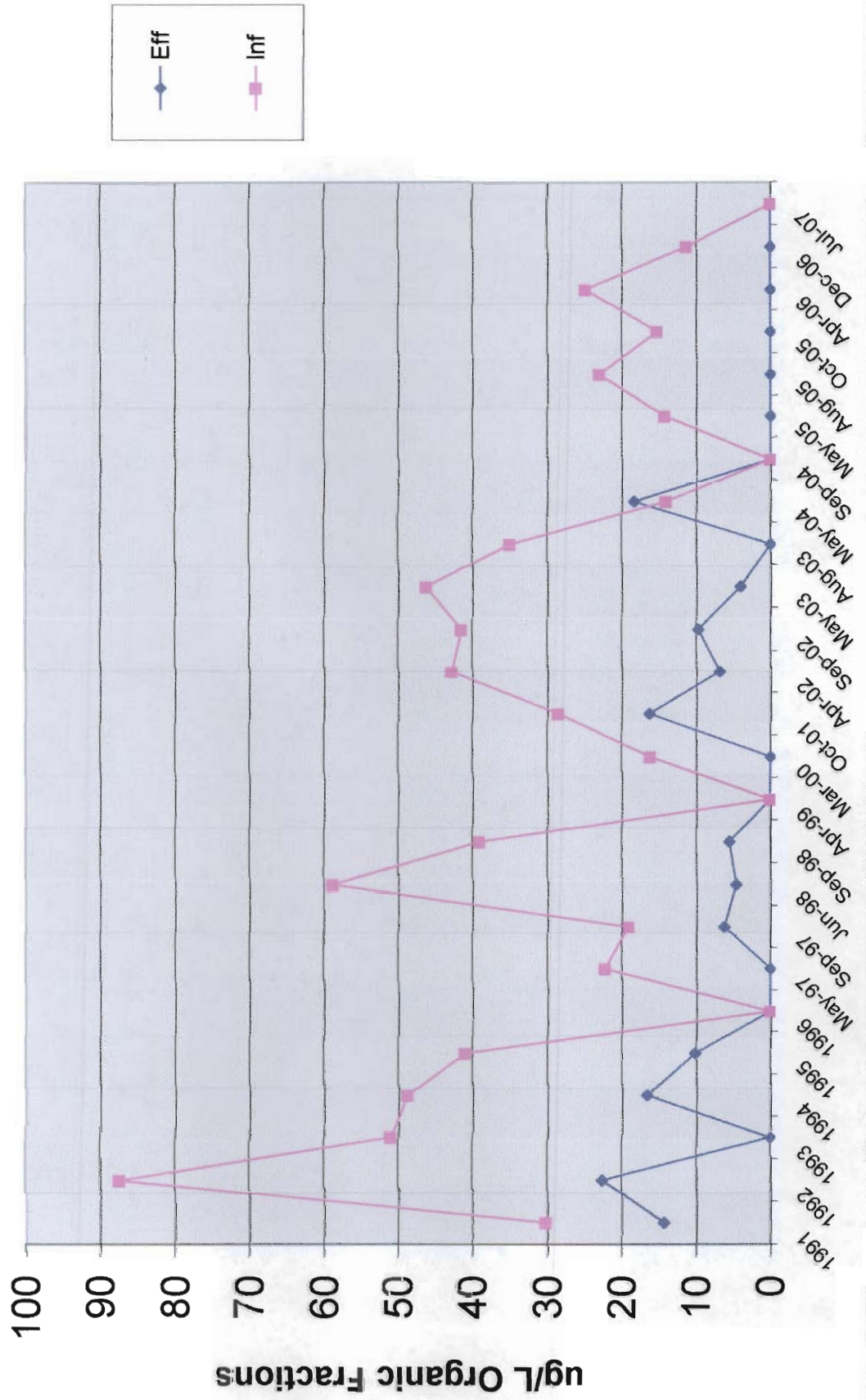
	O&G	CN	Zn	Cd	Cr	Ag	Cu	Mo	Ni	Pb	As	Se	Hg	Phenol	Sb	Be	TI	Mn	Ba	B
1/29-30/2007			94.6%	58.3%	56.3%	97.3%	85.0%	50.0%	80.0%	60.0%	69.7%	0.0%	0.0%		0.0%	26.8%	0.0%			
2/12-13/2007						0.0%	0.0%	0.0%	0.0%	0.0%										
2/26-27/2007	80.0%	0.0%												83.3%						
3/27-28/2007																				
4/16-17/2007			70.0%	69.7%	0.0%	66.1%	70.5%	0.0%	26.7%	64.3%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%			
5/15-16/2007																				
6/11-12/2007	85.7%	-500.0%												95.0%						
7/16-17/2007	82.3%	-200.0%												96.4%						
7/17-18/2007																				
9/11-12/2007			93.6%	9.1%	28.6%	0.0%	78.3%	0.0%	0.0%	72.2%	0.0%	0.0%	0.0%		0.0%	0.0%	81.5%	88.9%		0.0%
10/23-24/2007	82.1%	-400.0%												53.8%						
10/29-30/2007			82.0%	62.3%	29.3%	89.5%	84.2%	0.0%	0.0%	84.4%	37.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.3%	82.2%	
11/27-28/2007																				
12/12-13/2007																				
Average	82.5%	-275.0%	81.8%	49.9%	28.5%	50.6%	63.6%	10.0%	21.3%	56.2%	26.8%	0.0%	0.0%	82.2%	0.0%	6.7%	44.9%	85.5%		0.0%



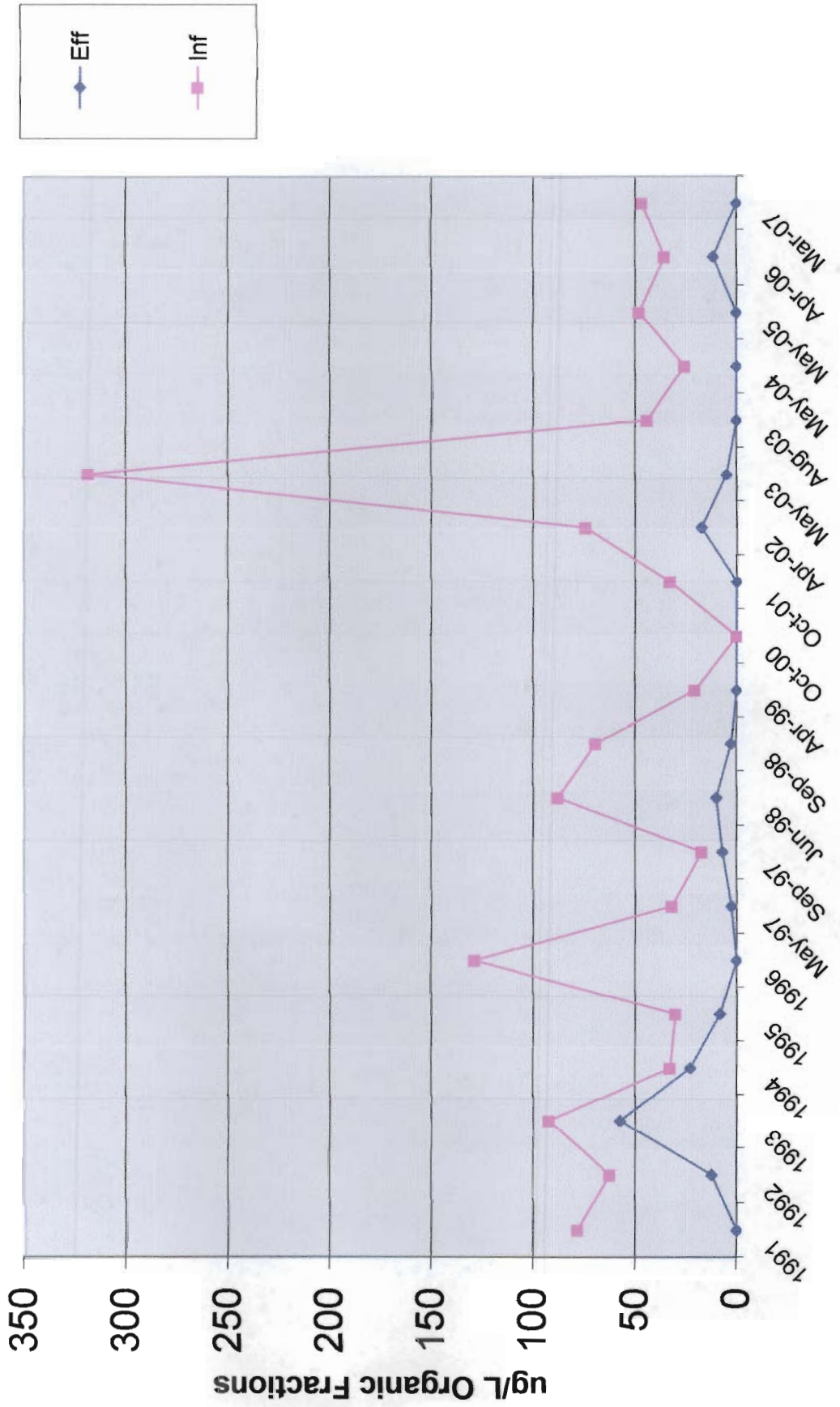




# Adams Field WWTP

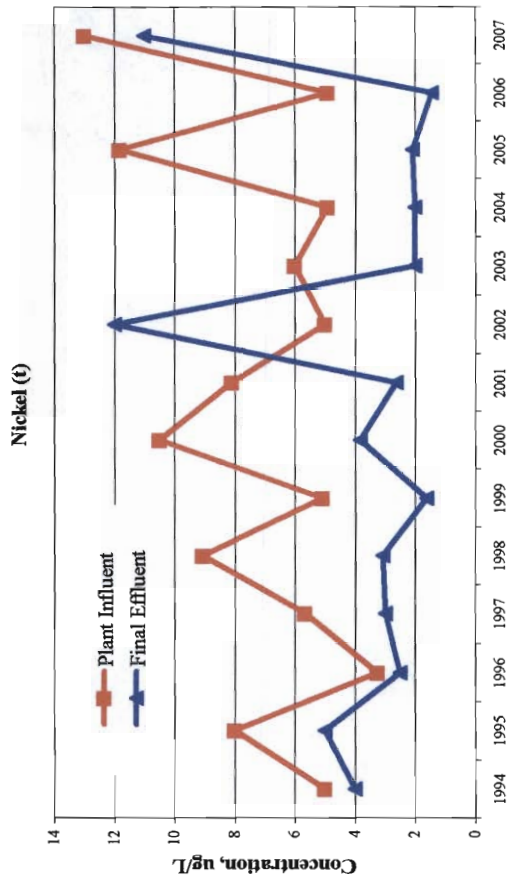
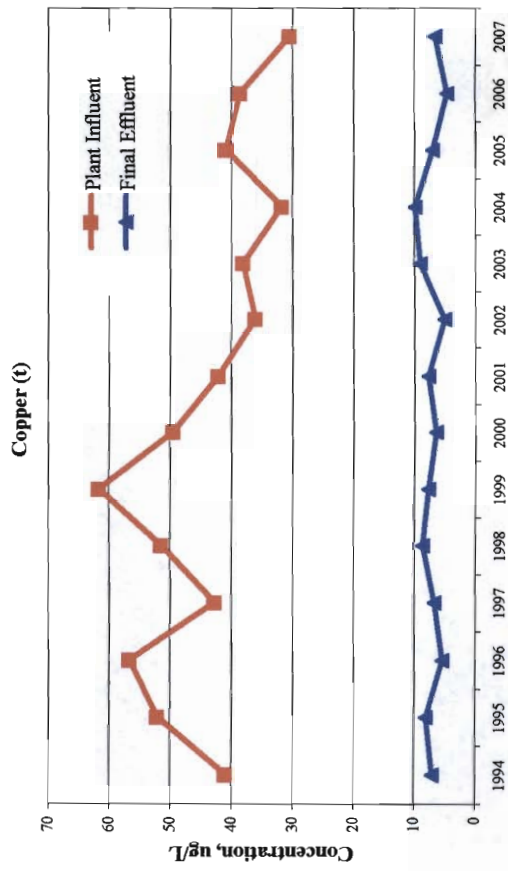
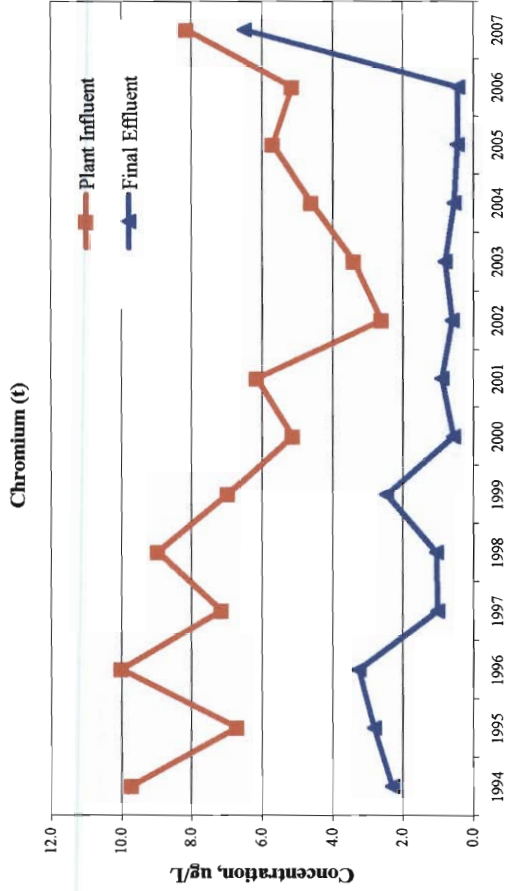
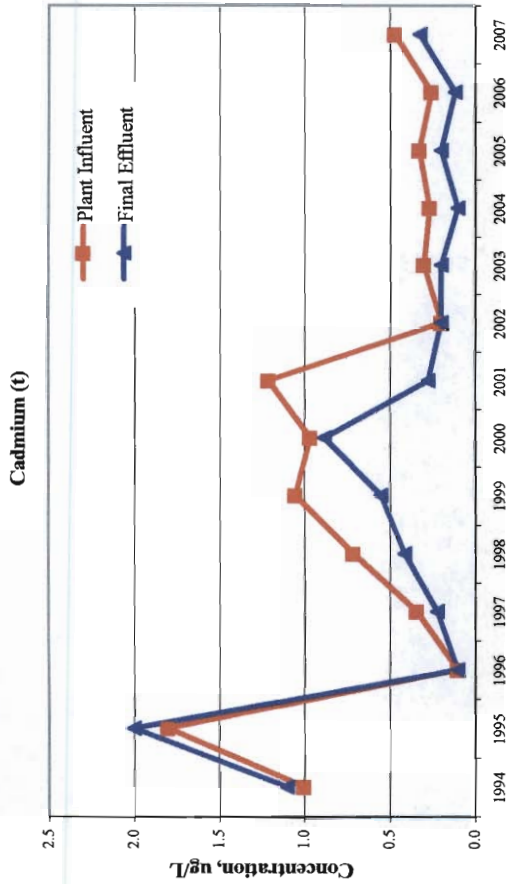


# Fourche Creek WWTP





**LITTLE ROCK WASTEWATER  
ENVIRONMENTAL ASSESSMENT DIVISION  
ADAMS FIELD TREATMENT PLANT CONCENTRATION TRENDS  
1994 THROUGH 2007**



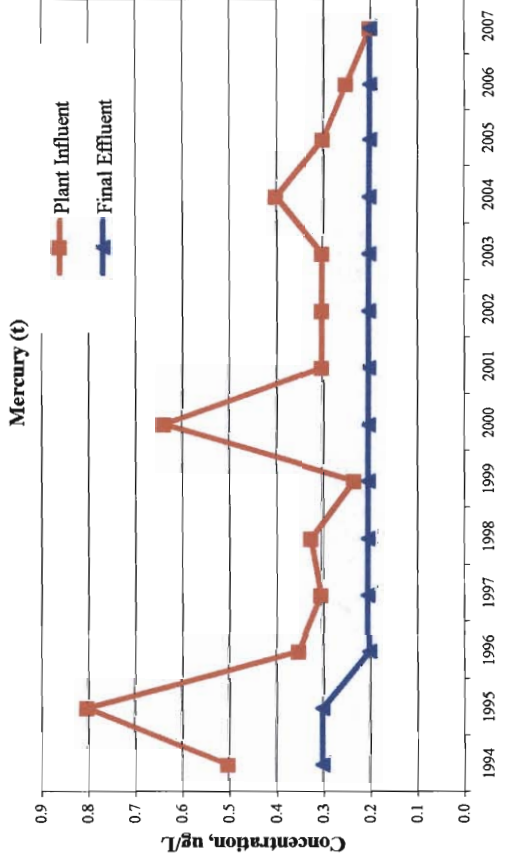
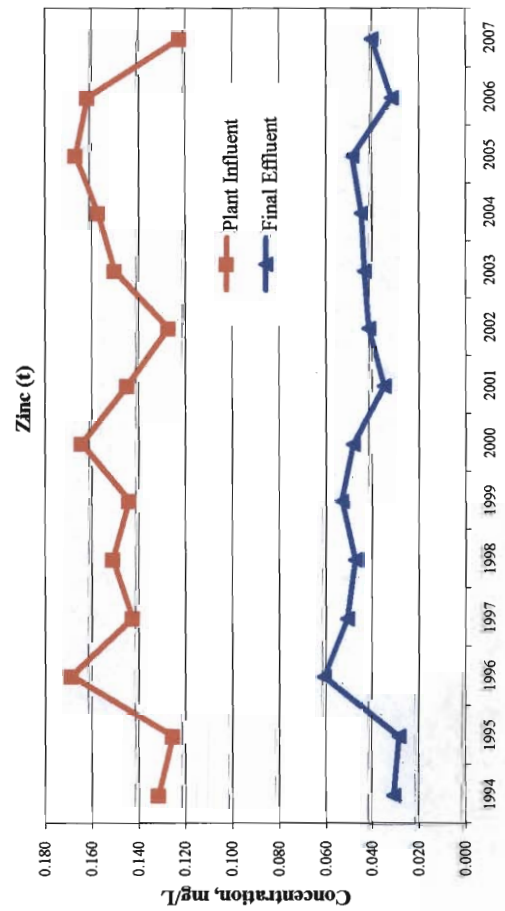
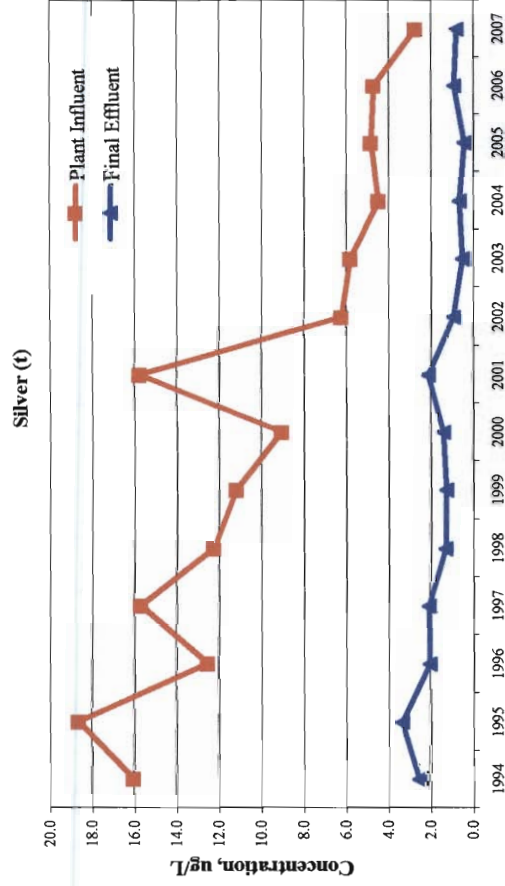
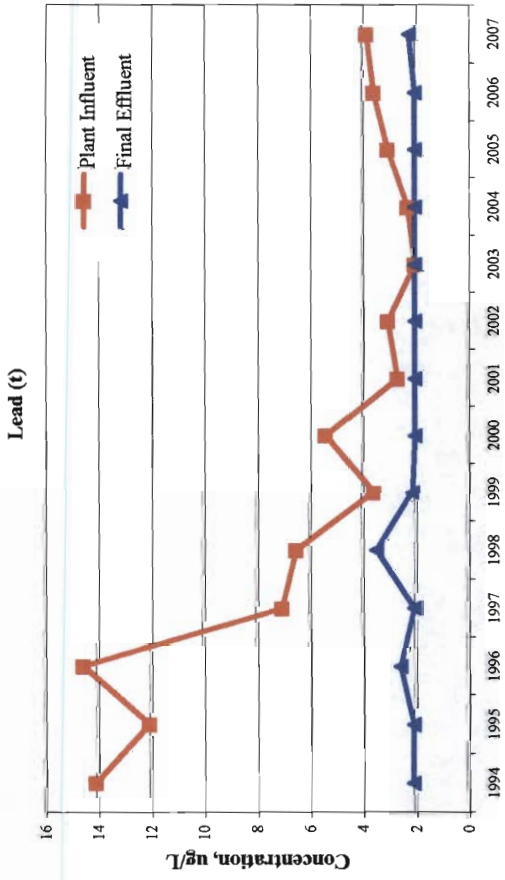
**Cadmium(t)**  
Influent Headworks Limit 9 ug/L  
Effluent Water Quality Criteria (Acute) 27 ug/L

**Copper (t)**  
270 ug/L  
106 ug/L

**Chromium (t)**  
260 ug/L  
5,590 ug/L

**Nickel(t)**  
160 ug/L  
2,490 ug/L

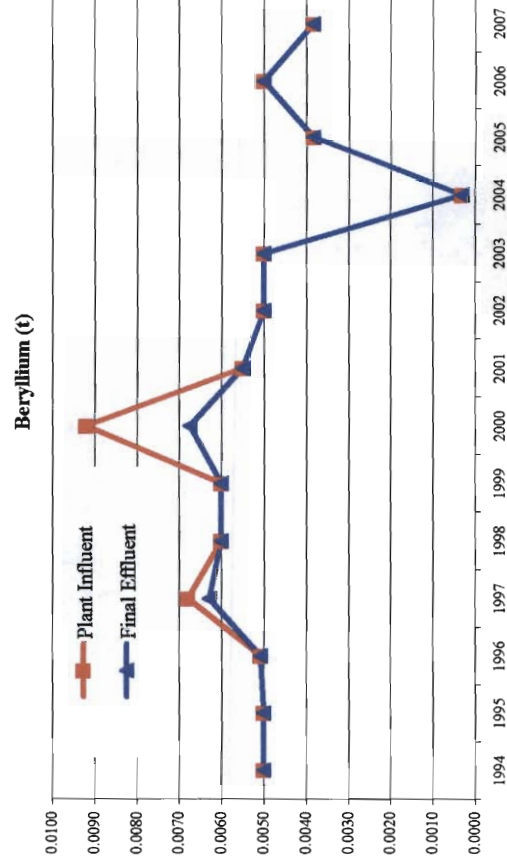
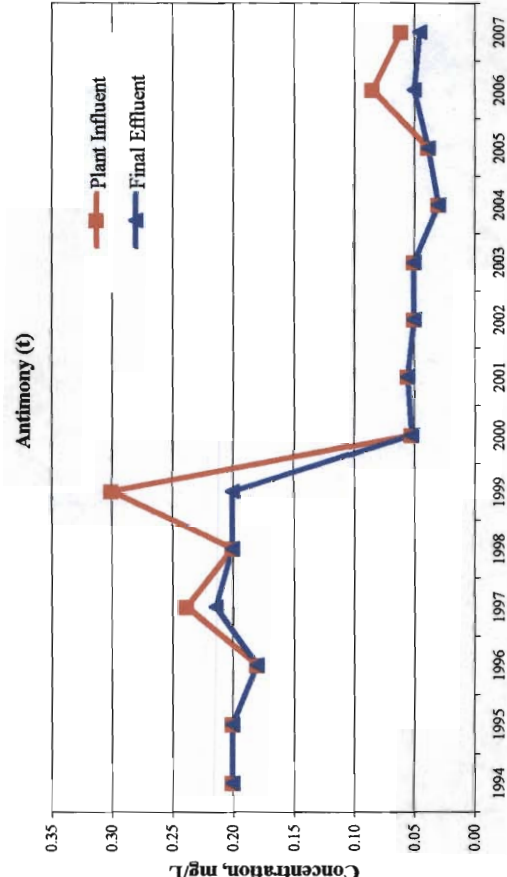
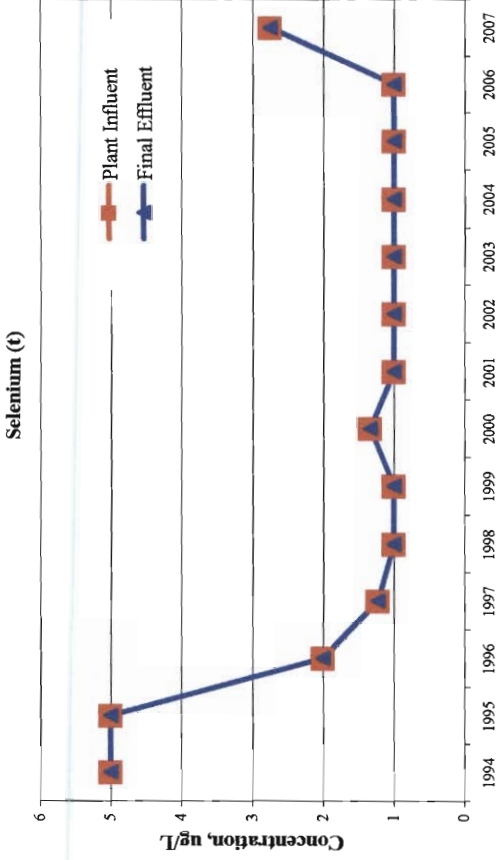
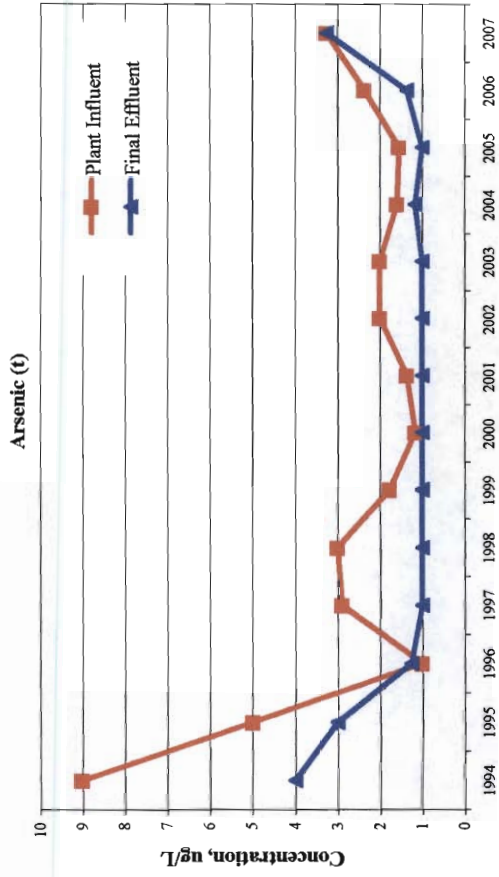
**LITTLE ROCK WASTEWATER  
ENVIRONMENTAL ASSESSMENT DIVISION  
ADAMS FIELD TREATMENT PLANT CONCENTRATION TRENDS  
1994 THROUGH 2007**



	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 2007**



**Arsenic(t)**  
Influent Headworks Limit 14 ug/L  
Effluent Water Quality Criteria (Acute) 1,190 ug/L

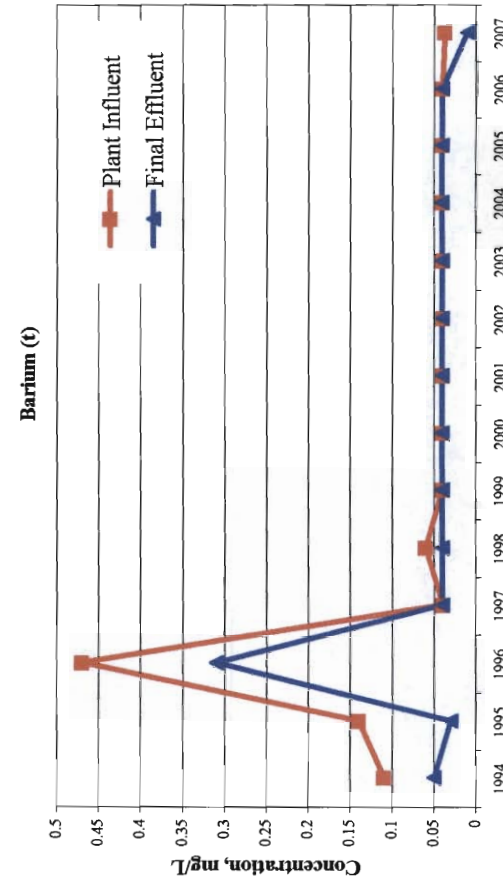
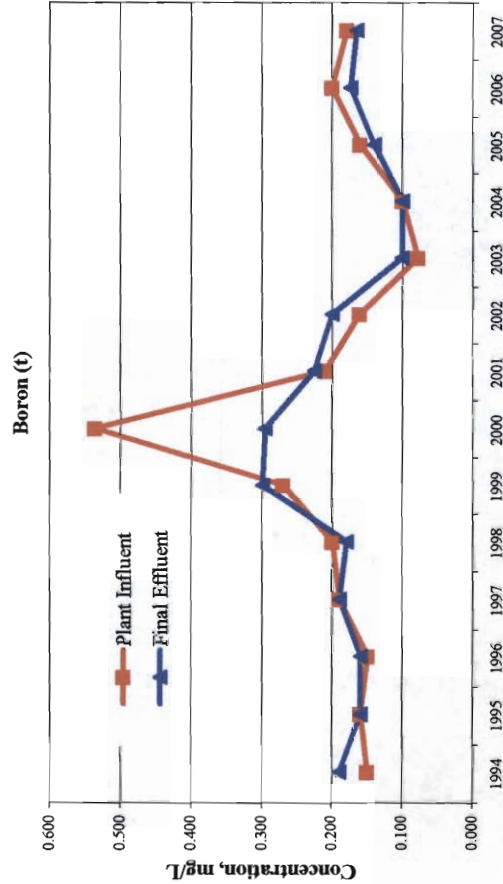
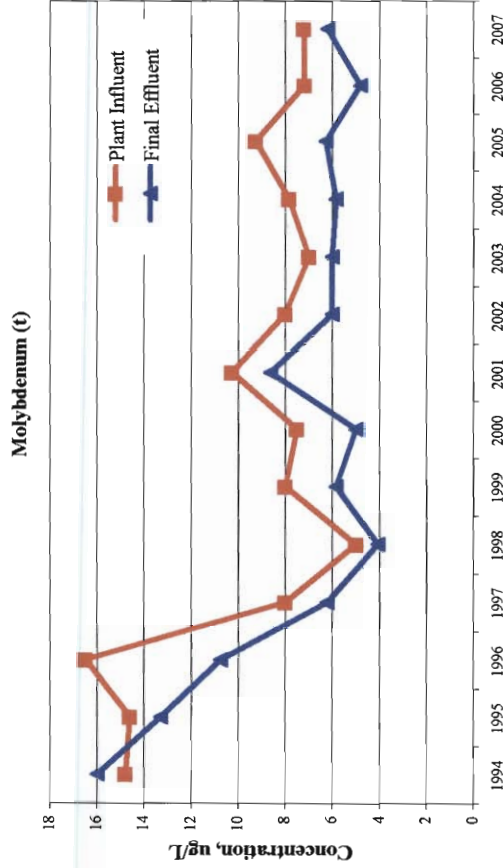
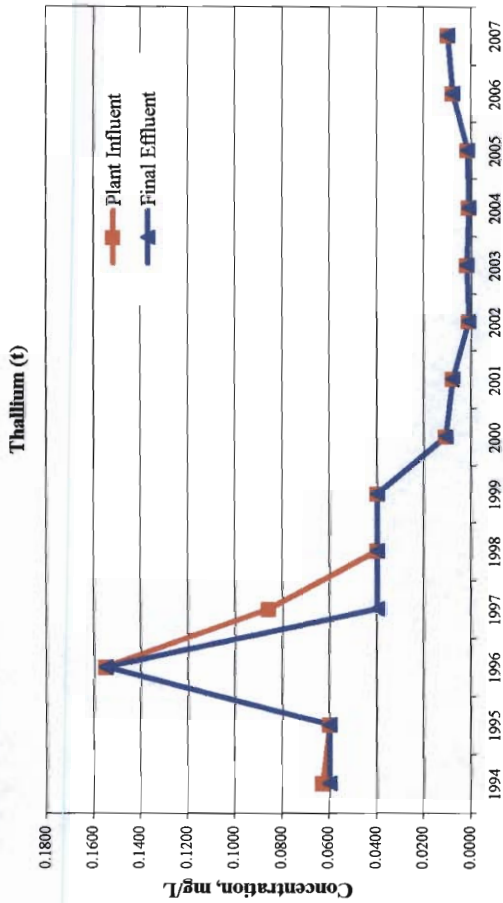
**Antimony (t)**  
None  
None

**Selenium (t)**  
10 ug/L  
28 ug/L

**Beryllium (t)**  
None  
None



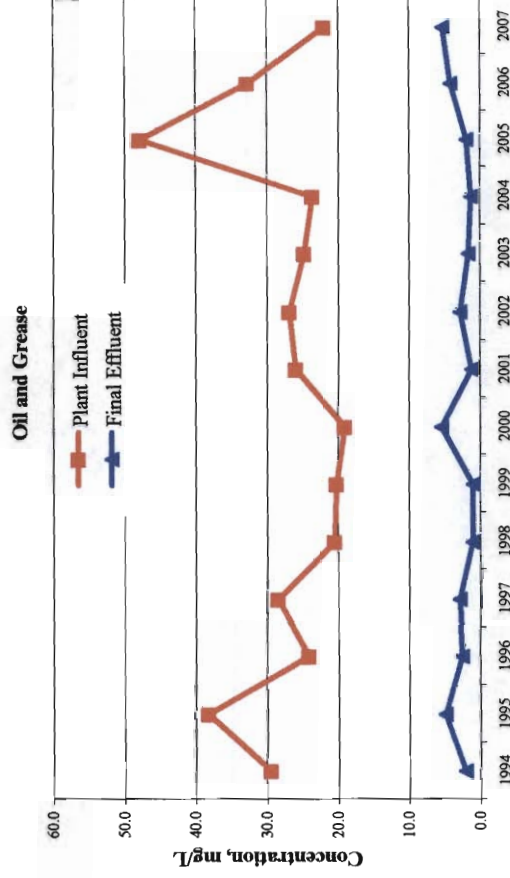
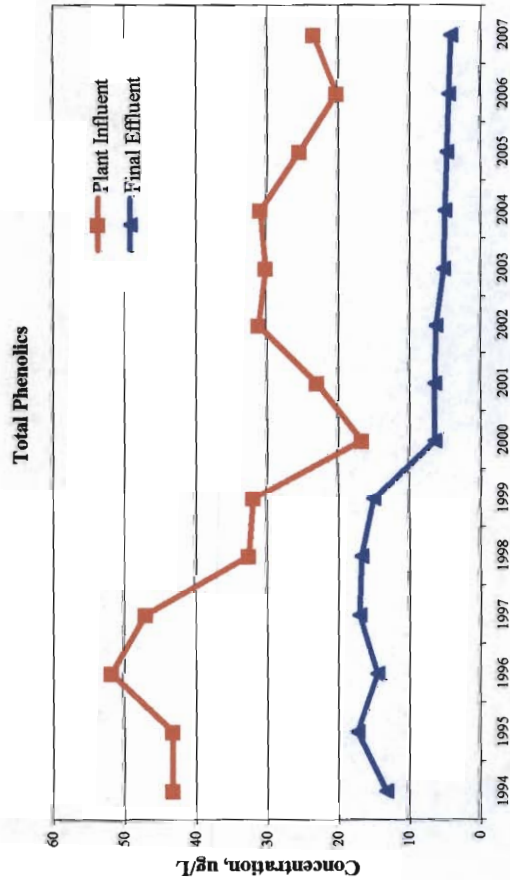
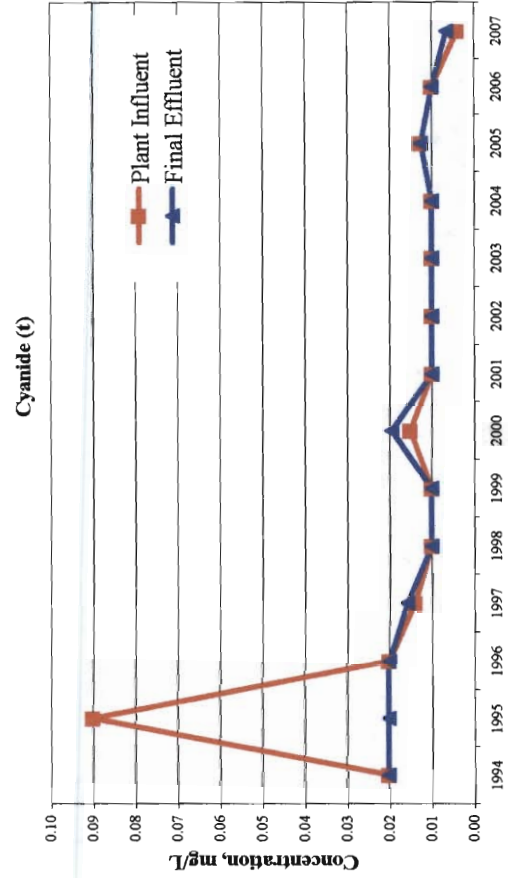
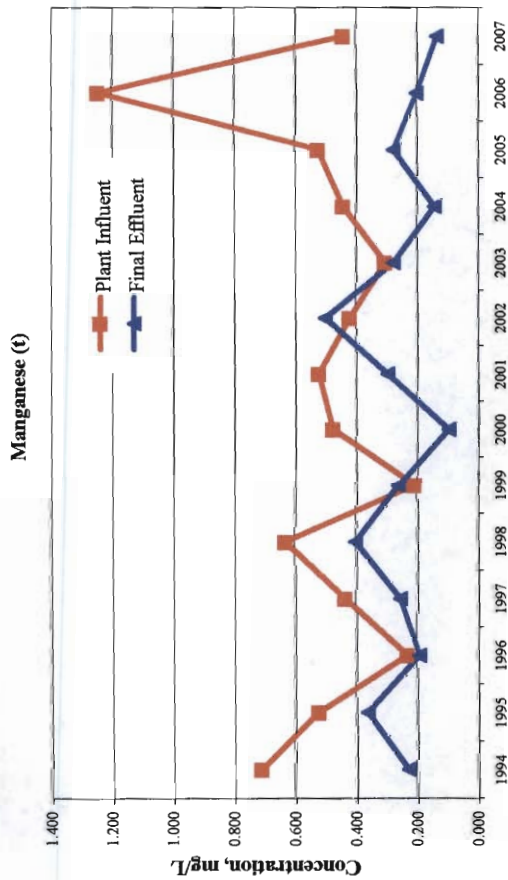
**LITTLE ROCK WASTEWATER  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 ADAMS FIELD TREATMENT PLANT CONCENTRATION TRENDS  
 1994 THROUGH 2007**



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

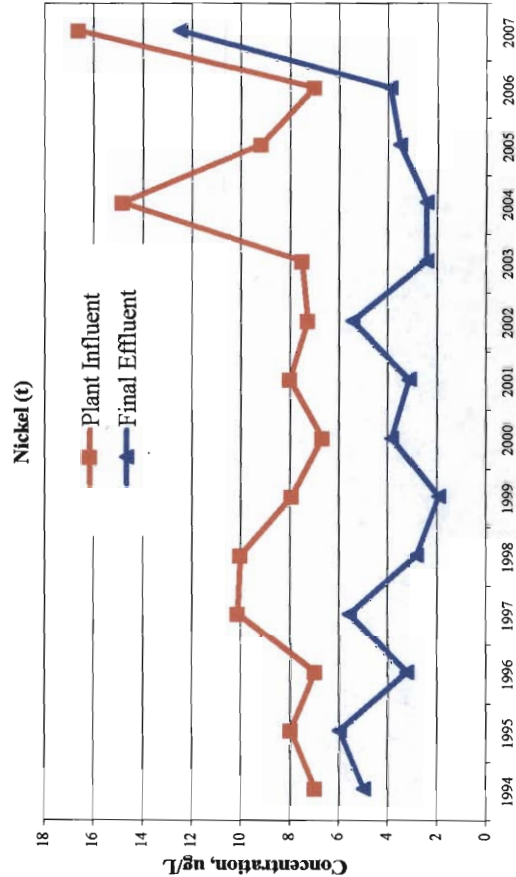
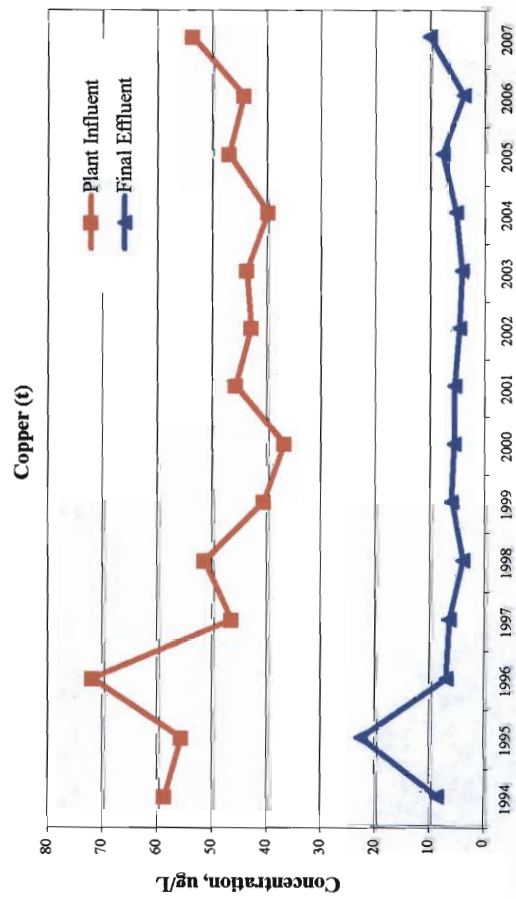
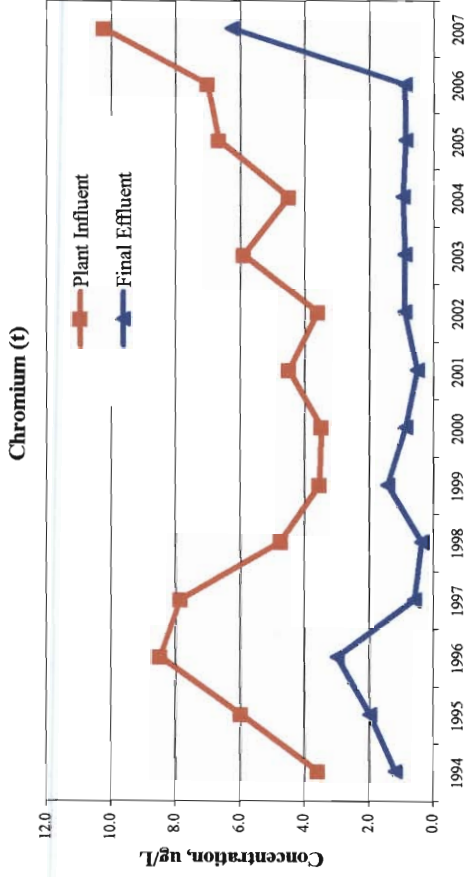
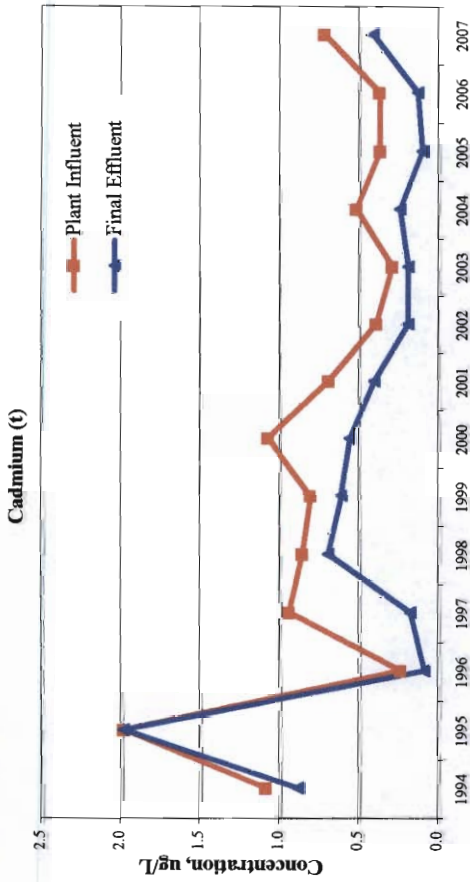
Year	Thallium (t)	Boron (t)	Molybdenum(t)	Barium(t)
1994	None	None	None	None
1995	None	None	None	None
1996	None	None	None	None
1997	None	None	None	None
1998	None	None	None	None
1999	None	None	None	None
2000	None	None	None	None
2001	None	None	None	None
2002	None	None	None	None
2003	None	None	None	None
2004	None	None	None	None
2005	None	None	None	None
2006	None	None	None	None
2007	None	None	None	None

**LITTLE ROCK WASTEWATER  
ENVIRONMENTAL ASSESSMENT DIVISION  
ADAMS FIELD TREATMENT PLANT CONCENTRATION TRENDS  
1994 THROUGH 2007**



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

**LITTLE ROCK WASTEWATER  
ENVIRONMENTAL ASSESSMENT DIVISION  
FOURCHE CREEK TREATMENT PLANT CONCENTRATION TRENDS  
1994 THROUGH 2007**



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

**Copper (t)**  
270 ug/L  
395 ug/L

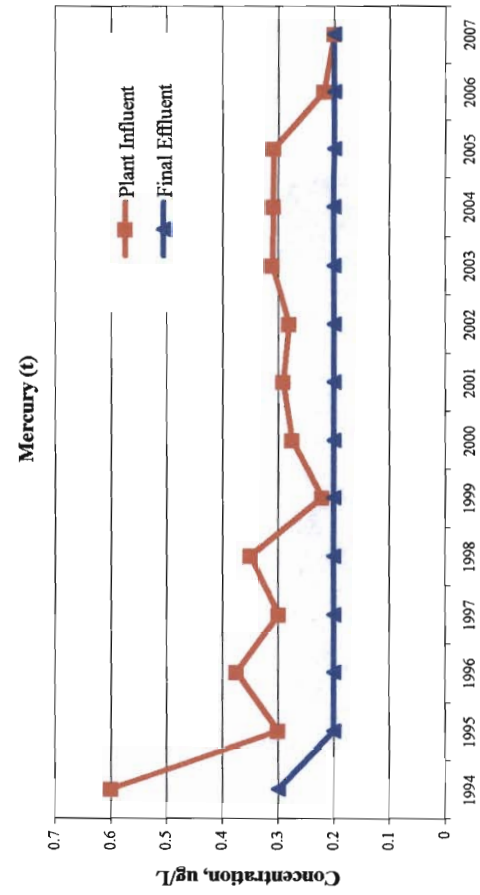
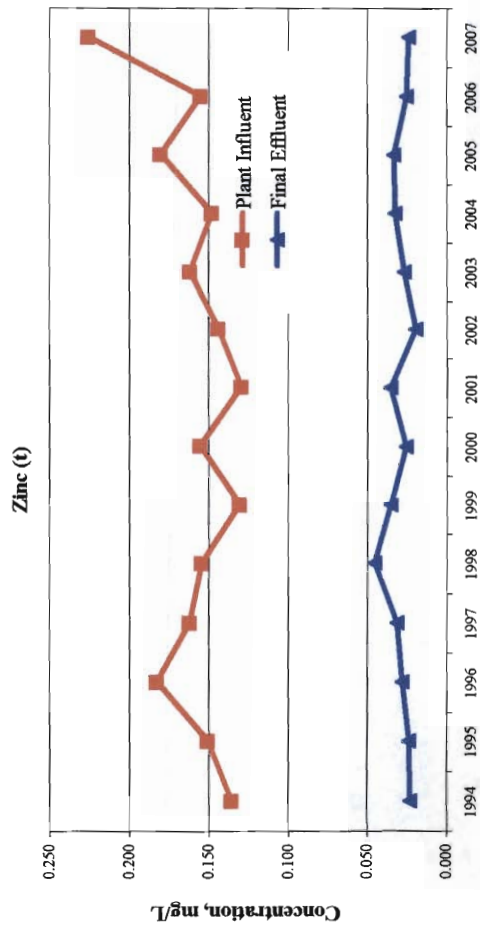
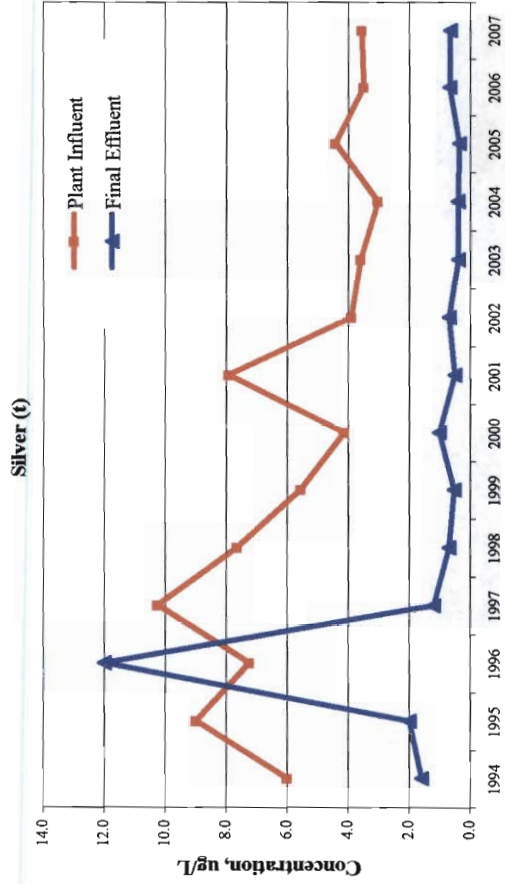
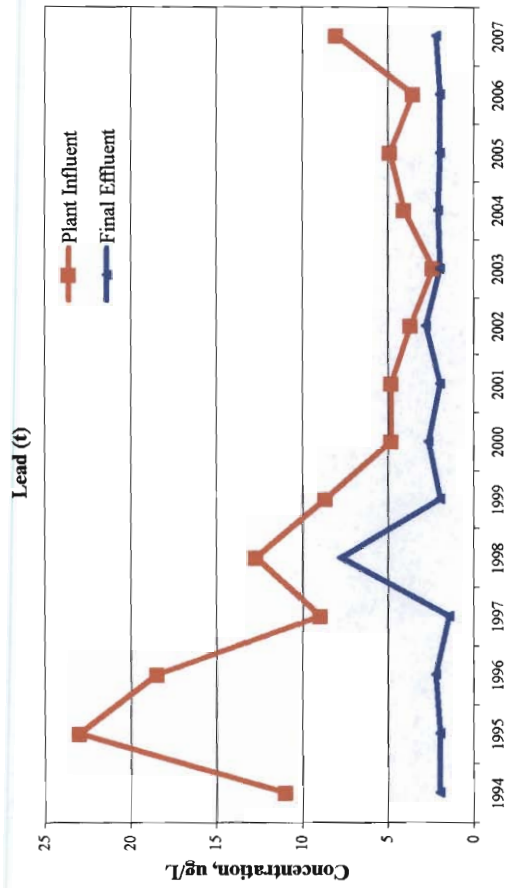
**Chromium (t)**  
260 ug/L  
11,700 ug/L

**Nickel(t)**  
160 ug/L  
4,980 ug/L

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

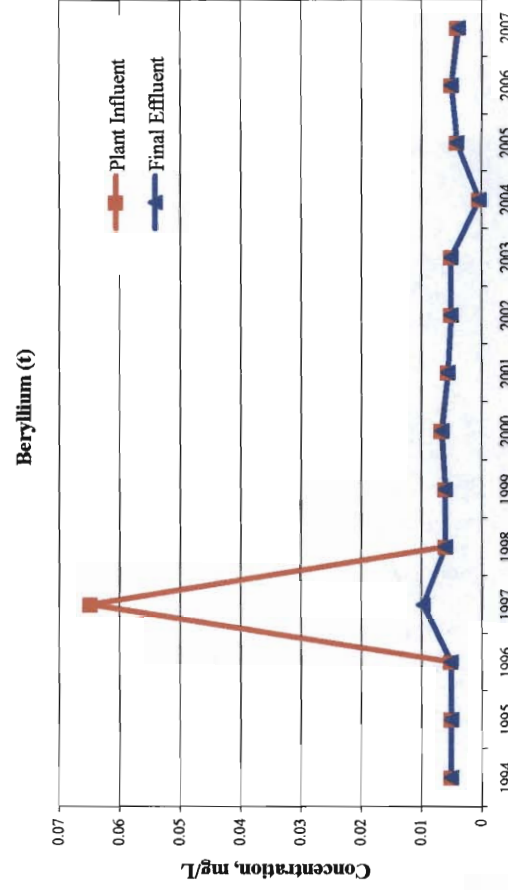
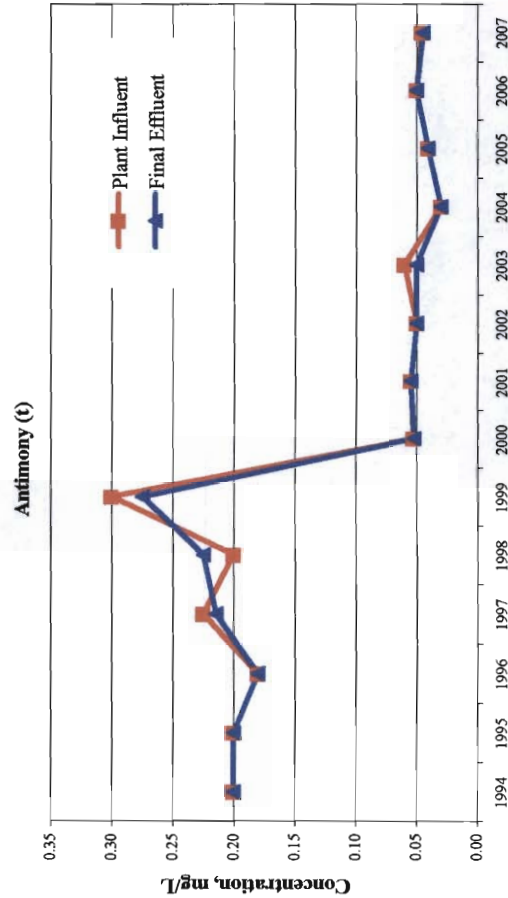
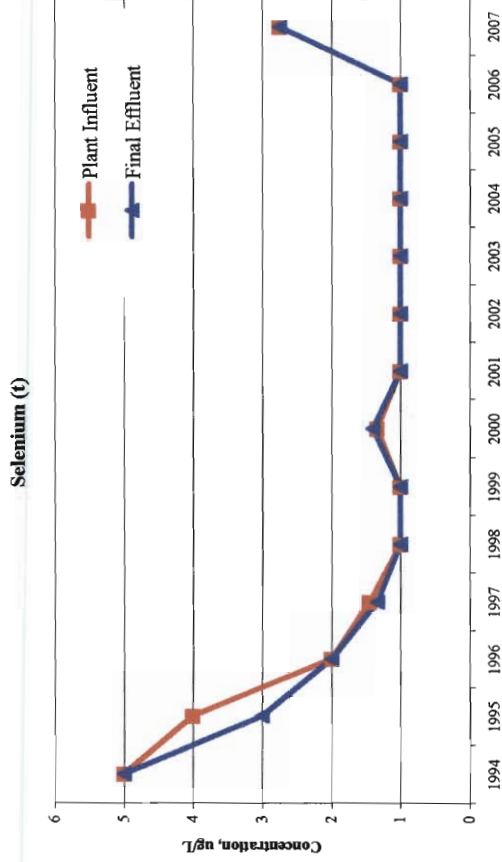
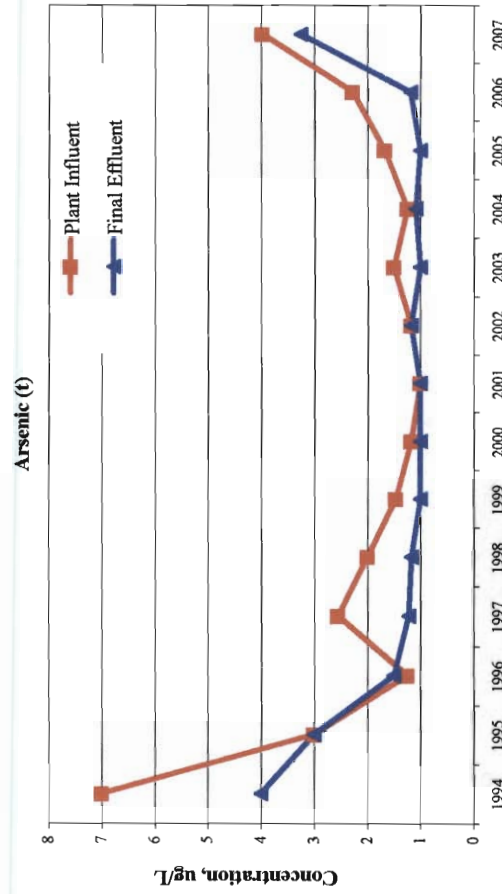


**LITTLE ROCK WASTEWATER  
ENVIRONMENTAL ASSESSMENT DIVISION  
FOURCHE CREEK TREATMENT PLANT CONCENTRATION TRENDS  
1994 THROUGH 2007**



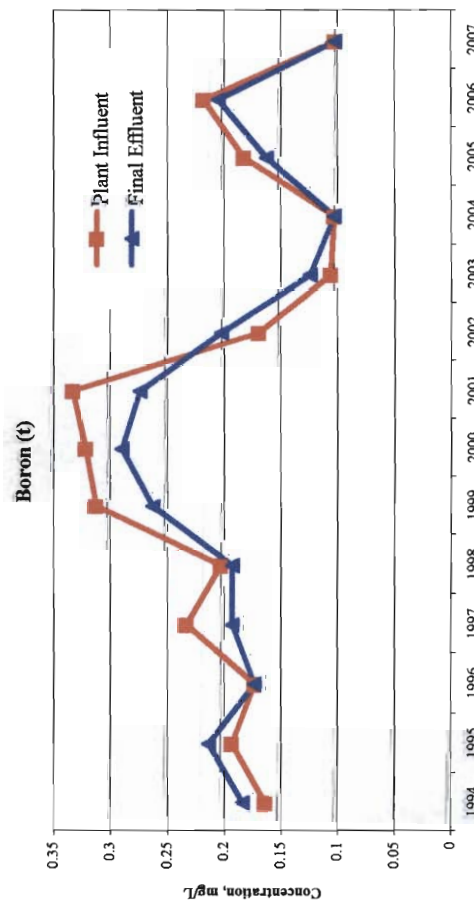
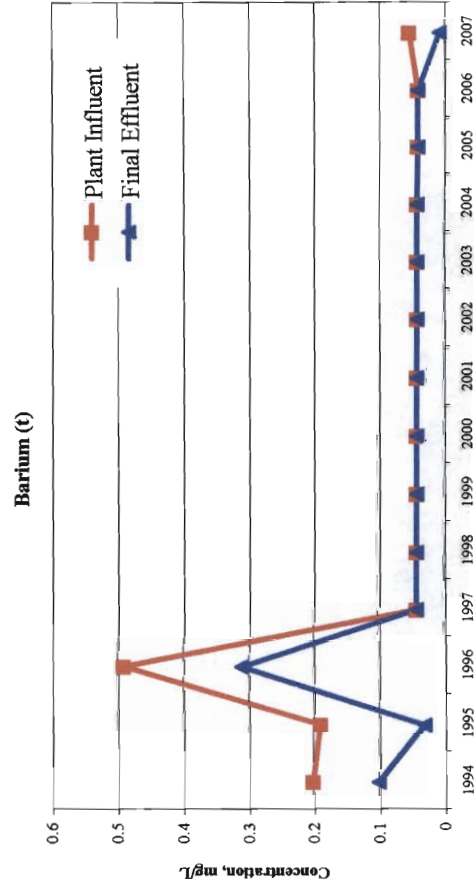
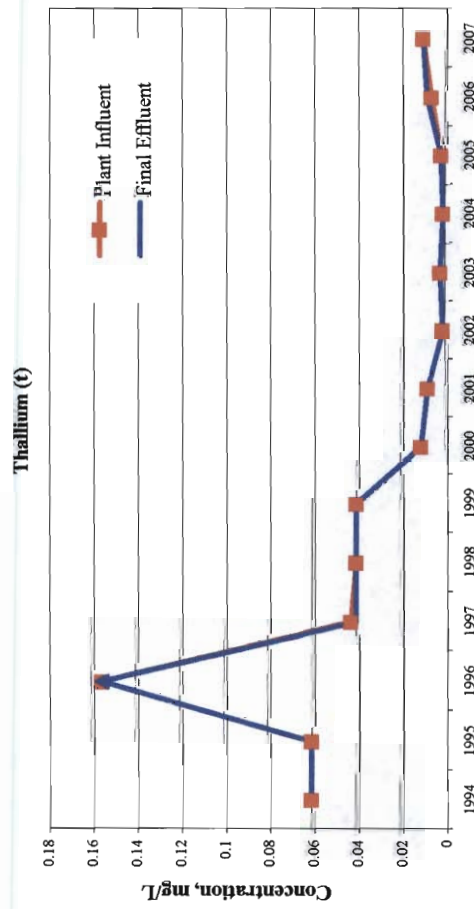
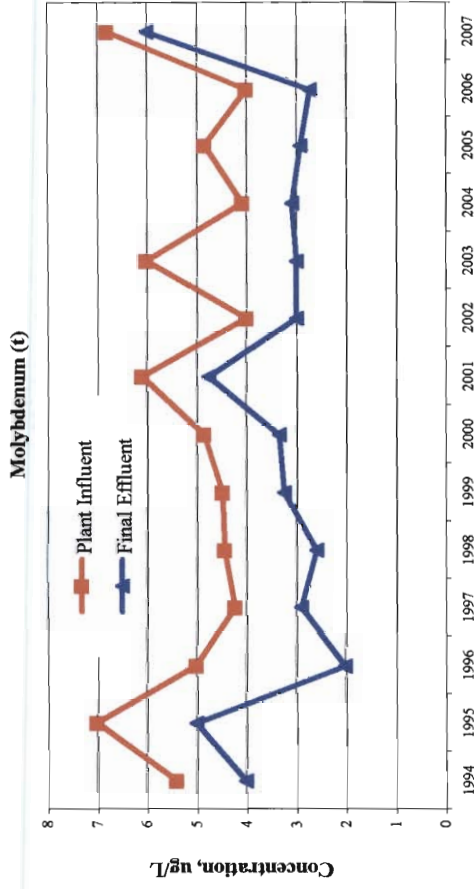
	Lead (t)	Zinc (t)	Silver (t)	Mercury (t)
Influent Headworks Limit	50 ug/L	0.36 mg/L	180 ug/L	0.2 ug/L
Effluent Water Quality Criteria	197 ug/L	2.46 mg/L	56 ug/L	0.14 ug/L

**LITTLE ROCK WASTEWATER  
ENVIRONMENTAL ASSESSMENT DIVISION  
FOURCHE CREEK TREATMENT PLANT CONCENTRATION TRENDS  
1994 THROUGH 2007**



	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

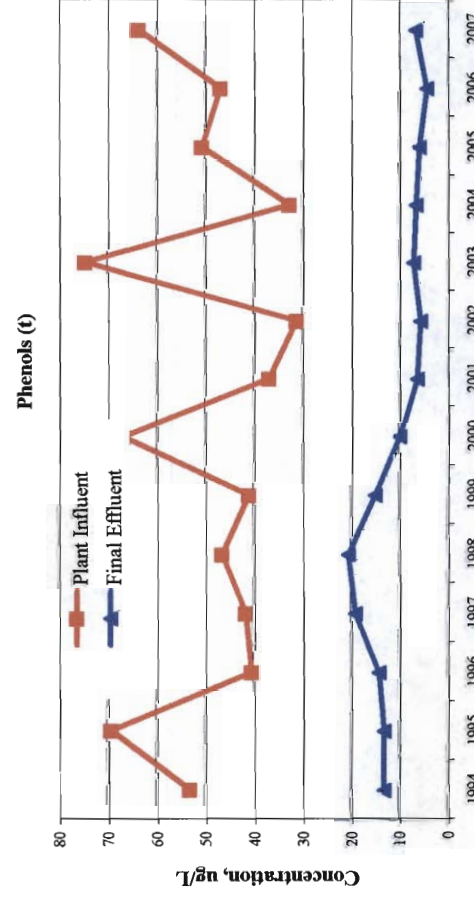
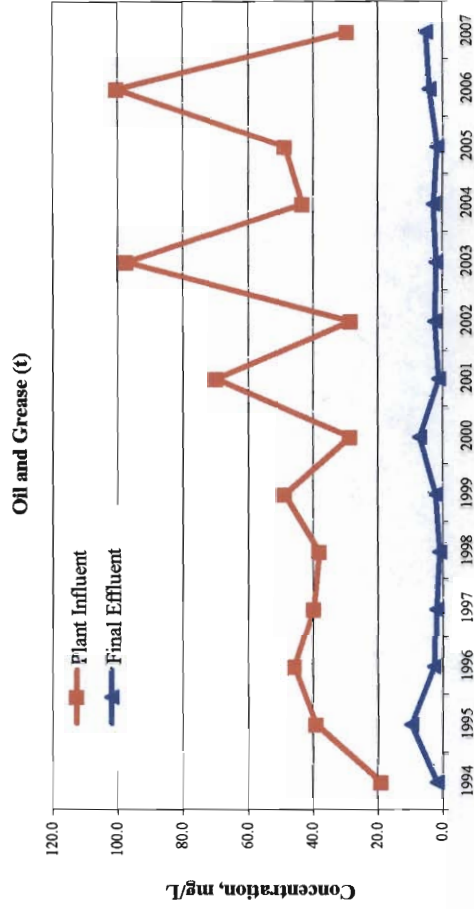
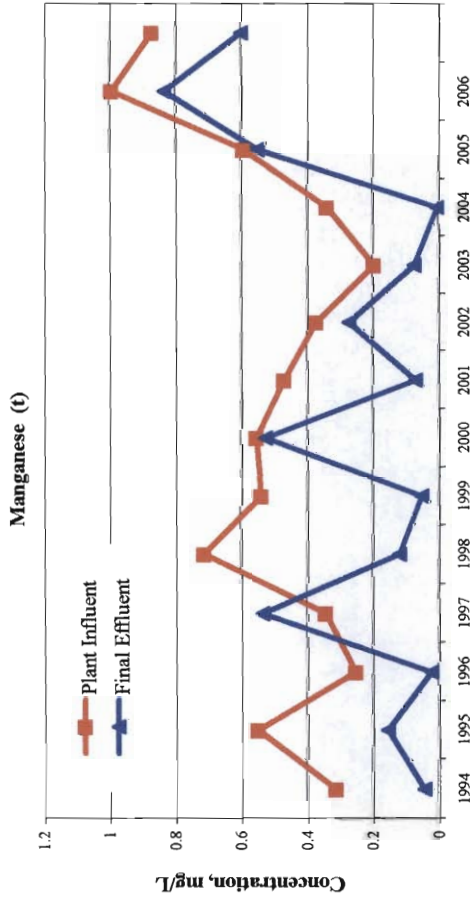
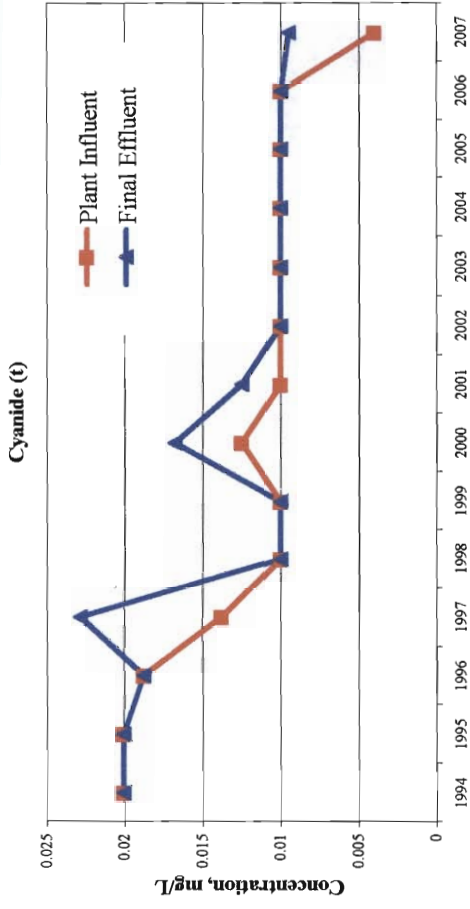
**LITTLE ROCK WASTEWATER  
ENVIRONMENTAL ASSESSMENT DIVISION  
FOURCHE CREEK TREATMENT PLANT CONCENTRATION TRENDS  
1994 THROUGH 2007**



	Thallium (t)	Boron (t)	Molybdenum(t)	Barium(t)
Influent Headworks Limit	None	None	None	None
Effluent Water Quality Criteria	None	None	None	None



LITTLE ROCK WASTEWATER  
ENVIRONMENTAL ASSESSMENT DIVISION  
FOURCHE CREEK TREATMENT PLANT CONCENTRATION TRENDS  
1994 THROUGH 2007



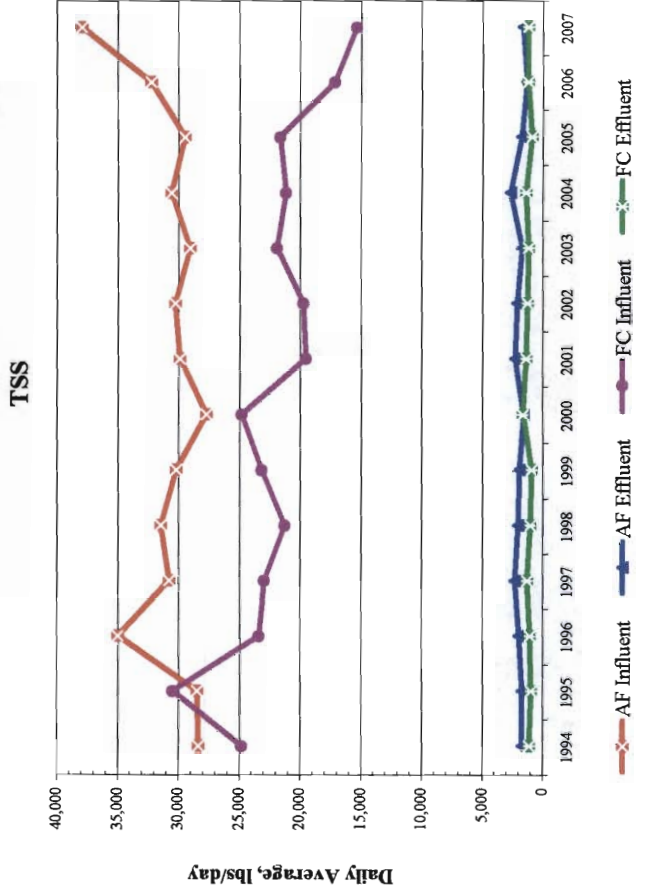
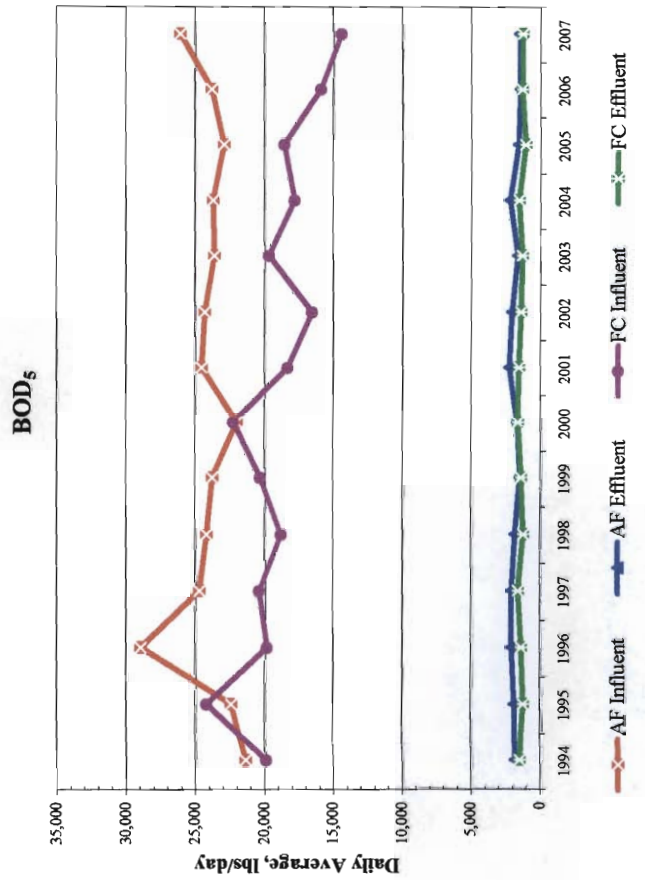
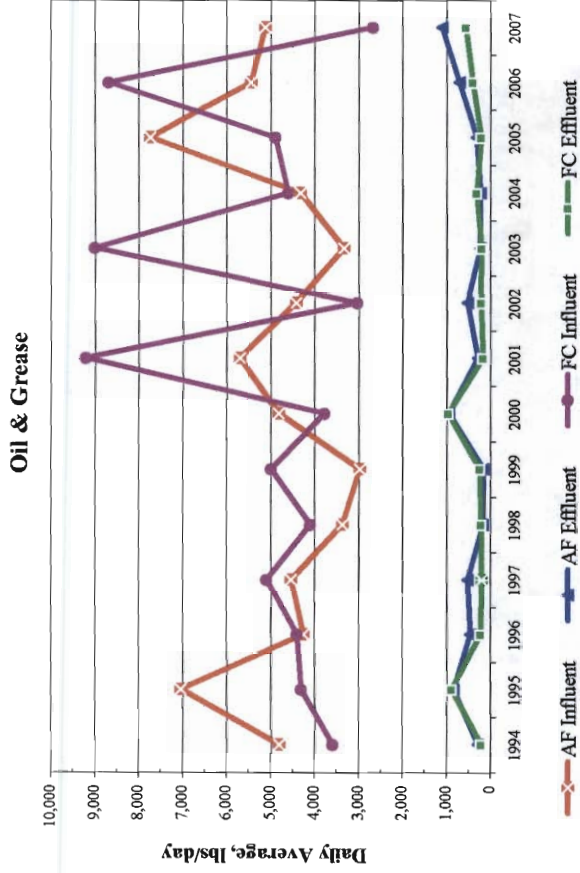
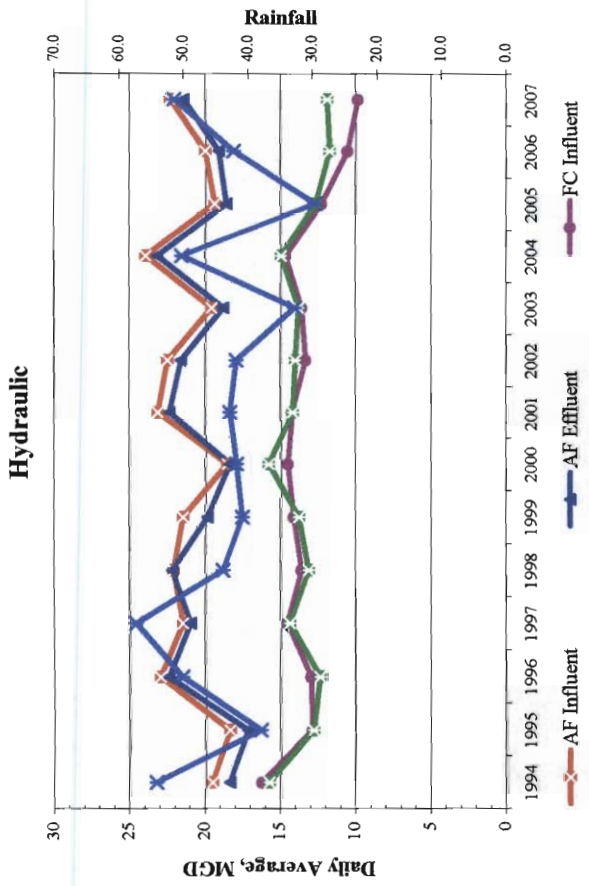
Influent Headworks Limit	Effluent Water Quality Criteria	Manganese (t)	Total Phenols	Cyanide (t)	Oil & Grease
None	None	None	None	0.09 mg/L	None
None	None	None	None	0.058 mg/L	None

## 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:

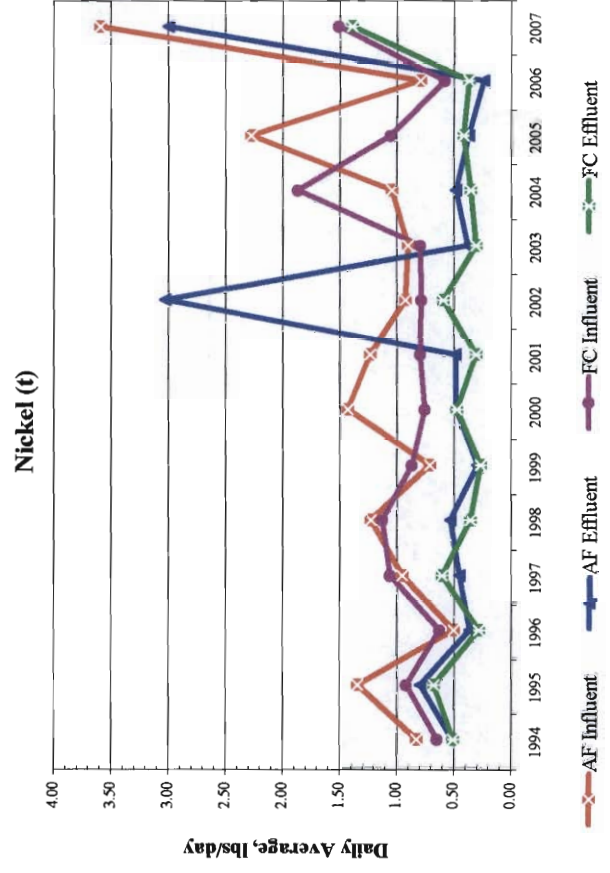
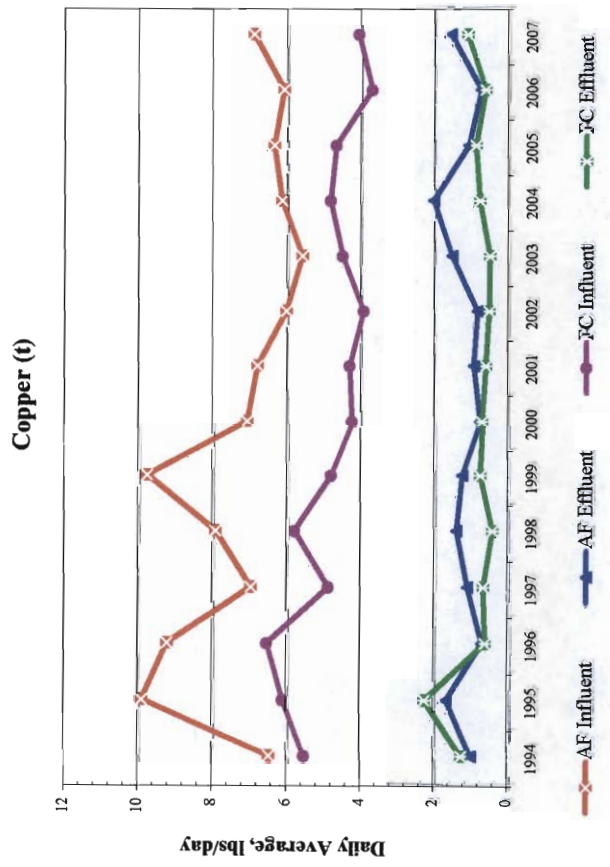
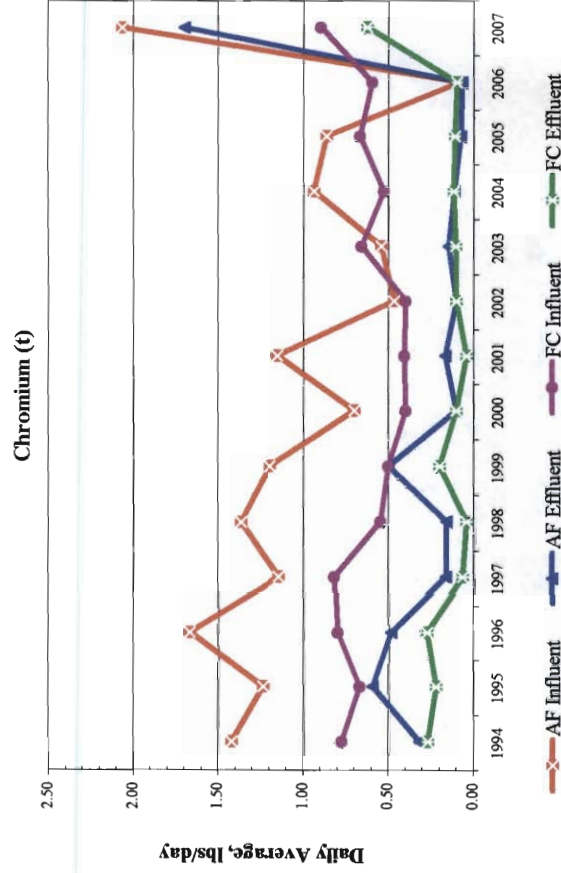
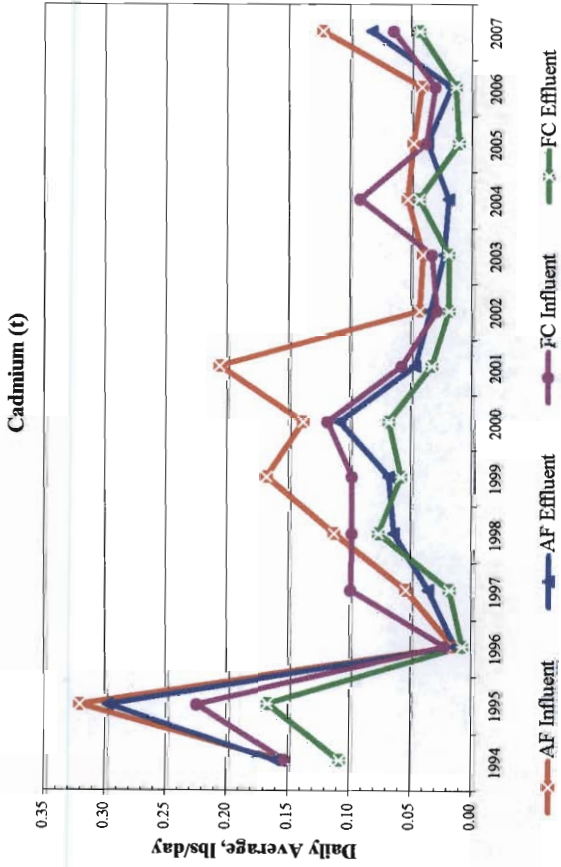
- Total System Loading Trends – Charts were developed showing 1994 - 2007 loading, lbs/day, to the total LRW system for flow, BOD, TSS, O&G and local limit pollutant parameters. For each individual analytical point the lbs/day is calculated using the flow for each sample date. In cases where the concentration 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 - 2007 – 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 - 2007. 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 UTILITY  
ENVIRONMENTAL ASSESSMENT DIVISION  
POTW PLANT INFLUENT/FINAL EFFLUENT LOADING TRENDS

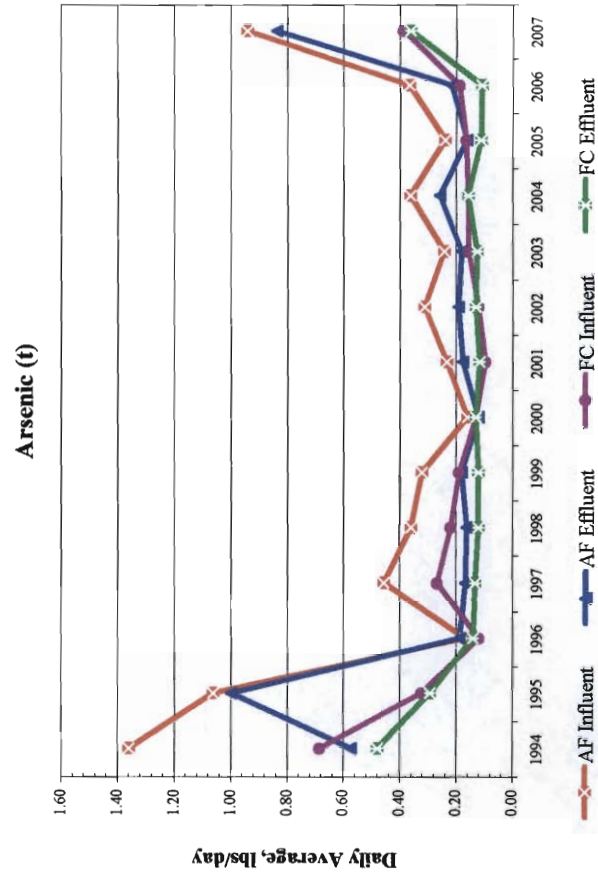
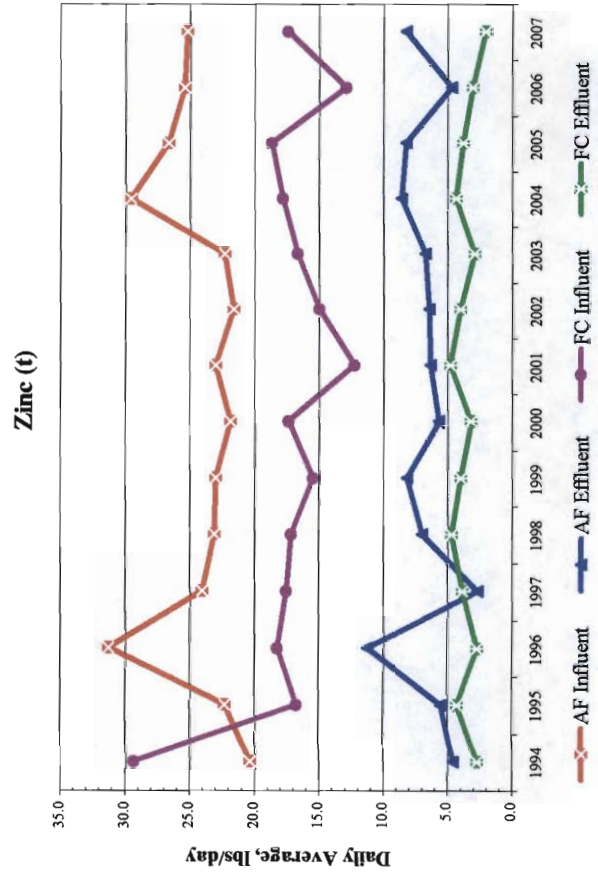
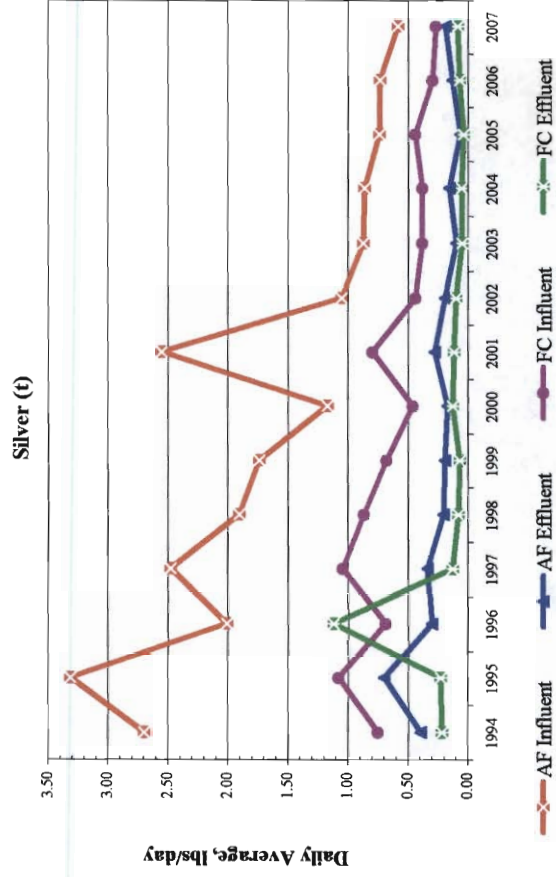
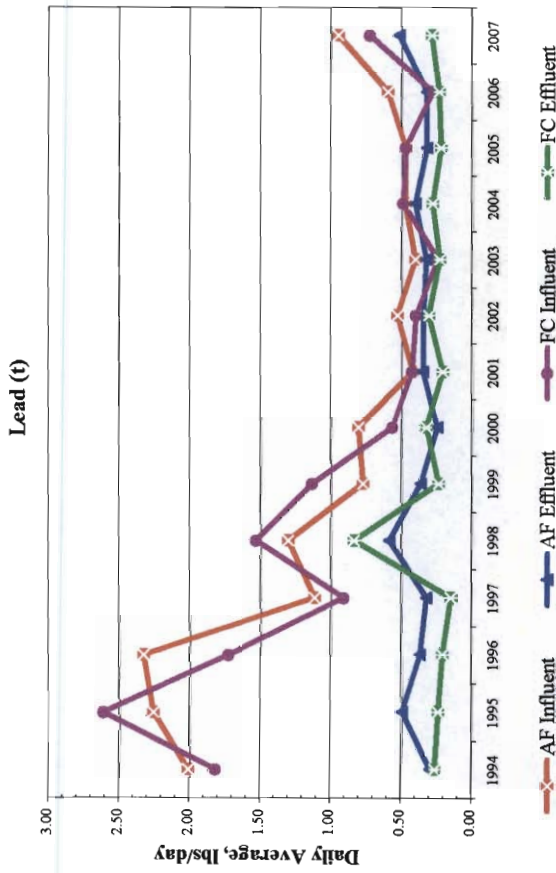




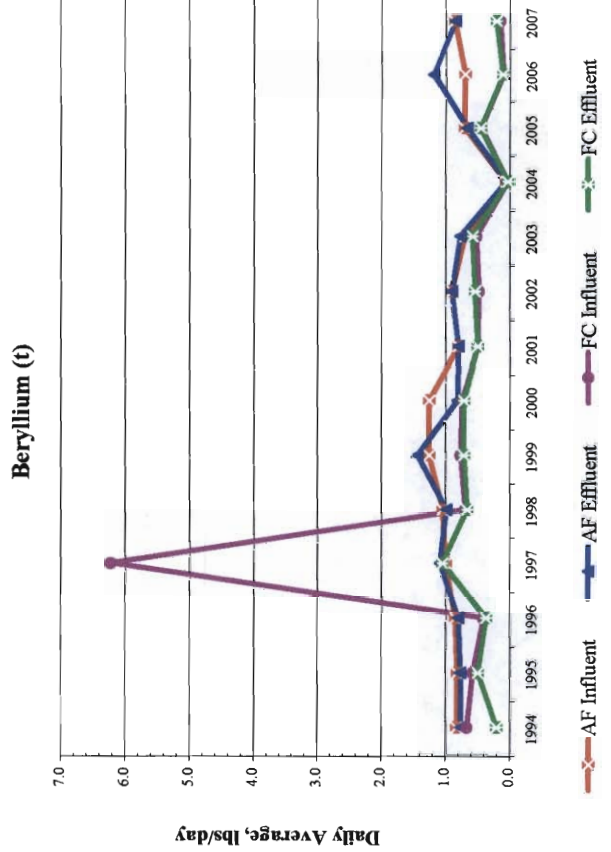
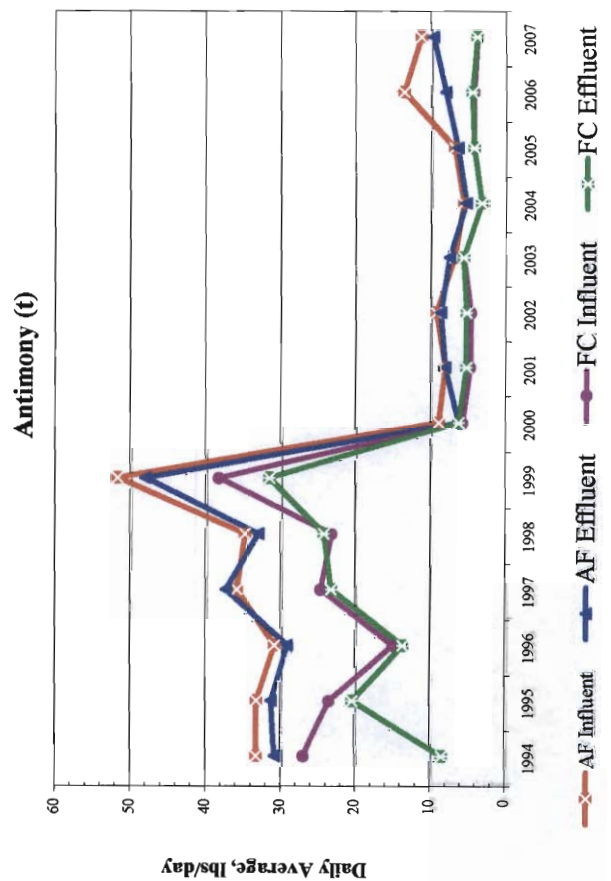
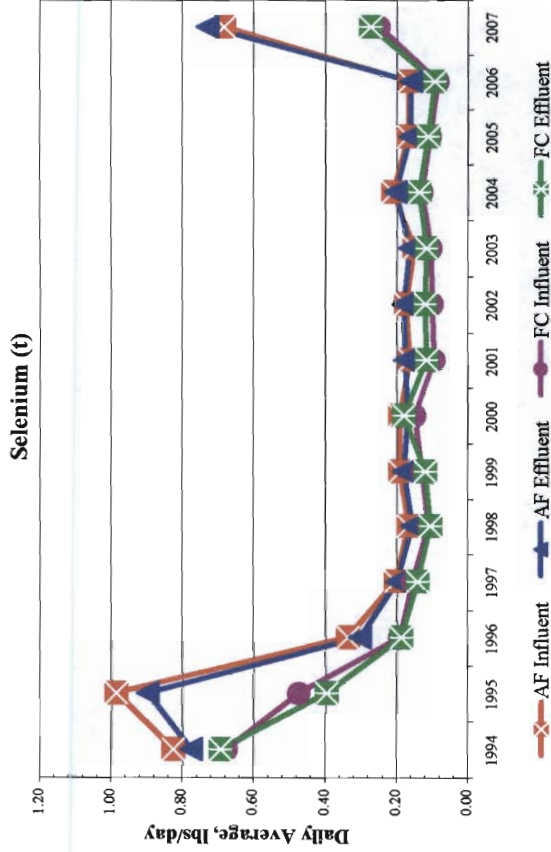
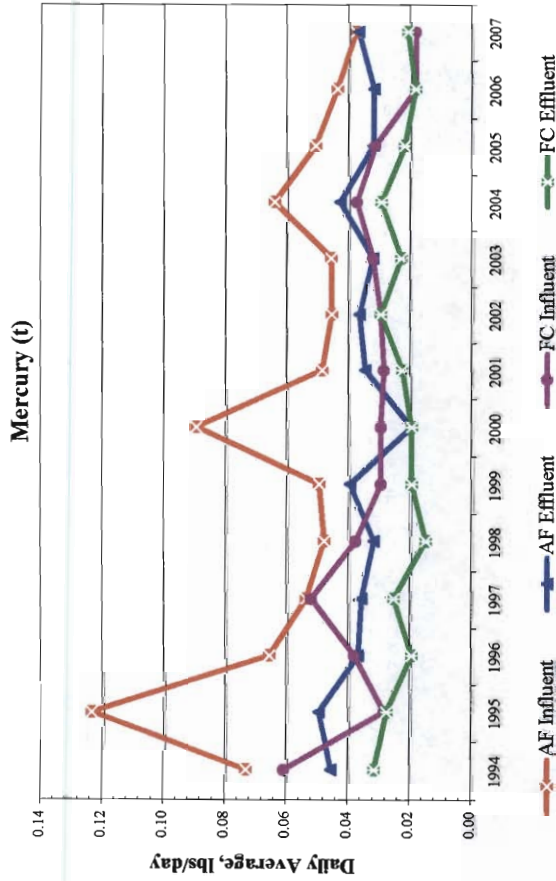
**LITTLE ROCK WASTEWATER UTILITY  
ENVIRONMENTAL ASSESSMENT DIVISION  
POTW PLANT INFLUENT/FINAL EFFLUENT LOADING TRENDS**



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

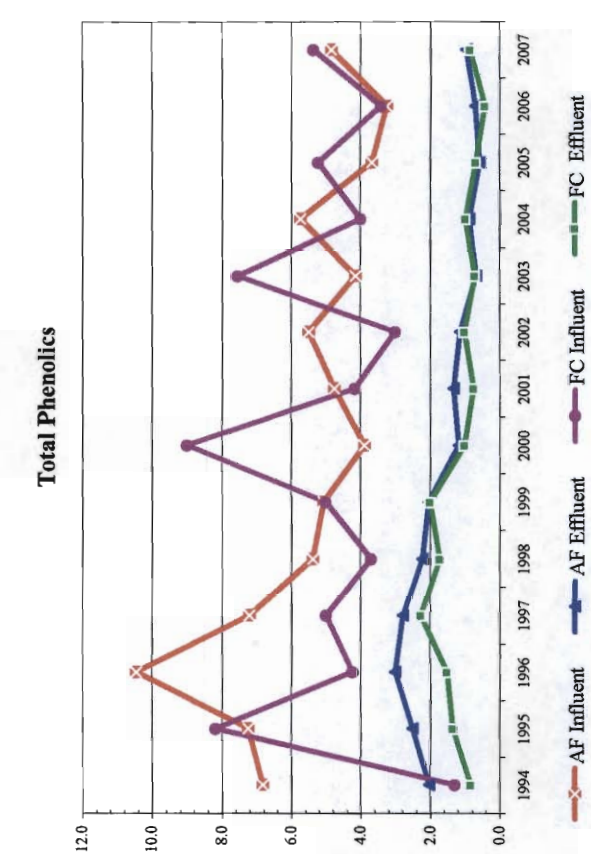
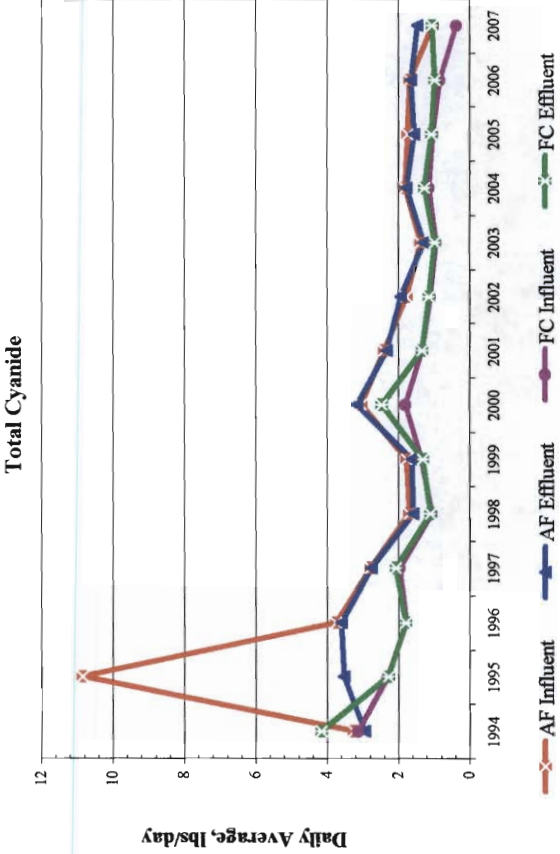
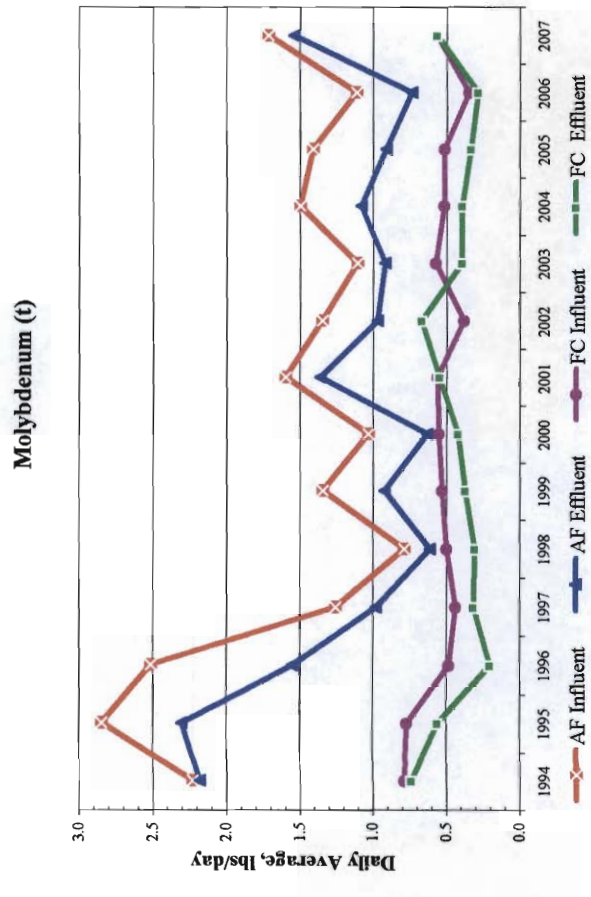
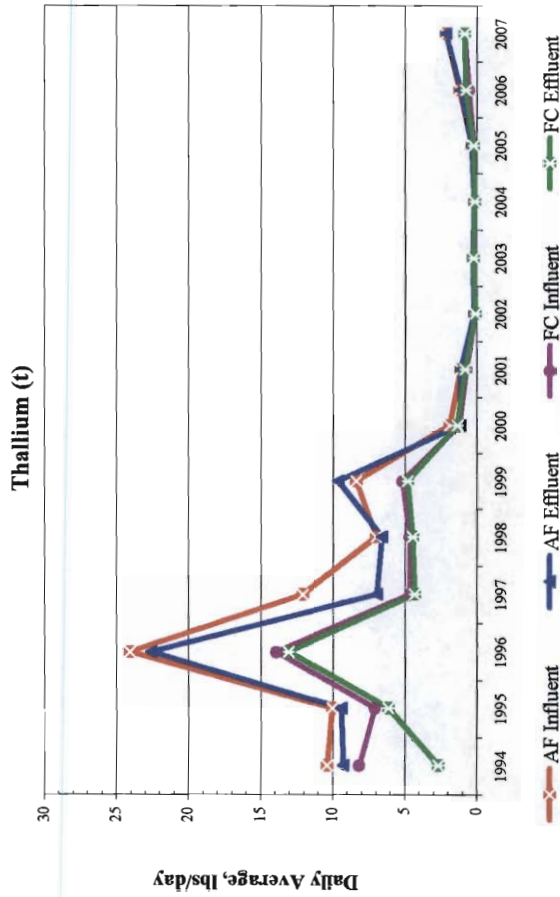


**LITTLE ROCK WASTEWATER UTILITY  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 POTW PLANT INFLUENT/FINAL EFFLUENT LOADING TRENDS**

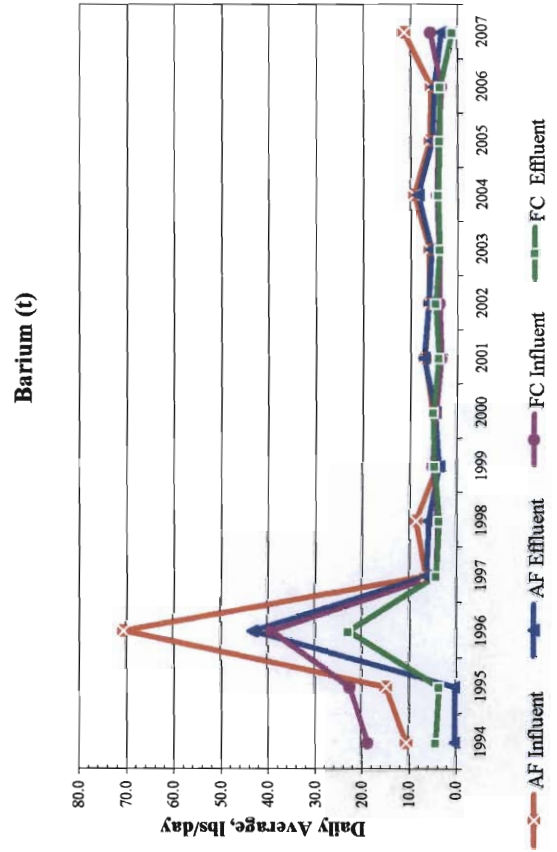
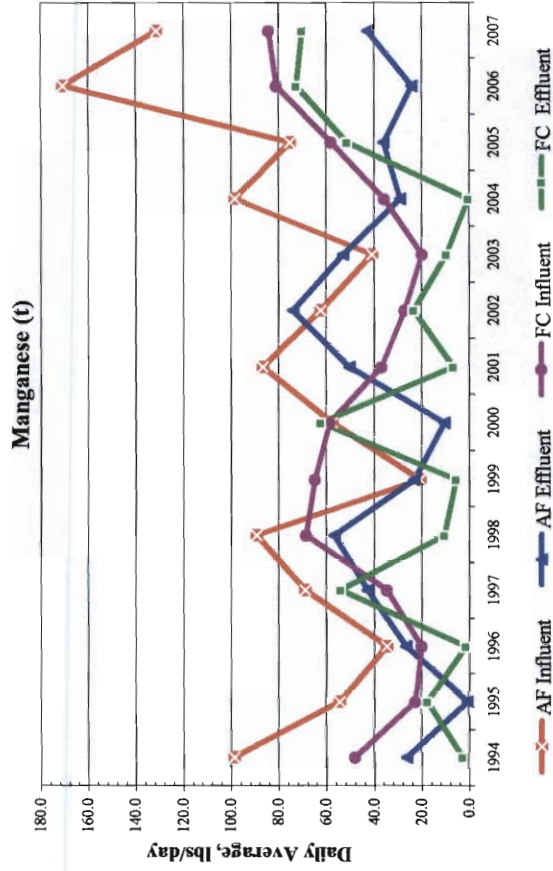
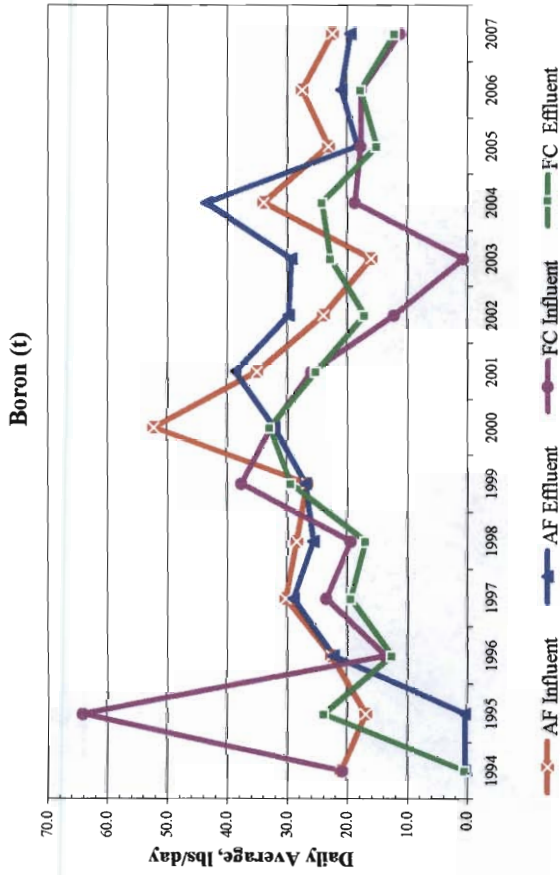




**LITTLE ROCK WASTEWATER UTILITY  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 POTW PLANT INFLUENT/FINAL EFFLUENT LOADING TRENDS**

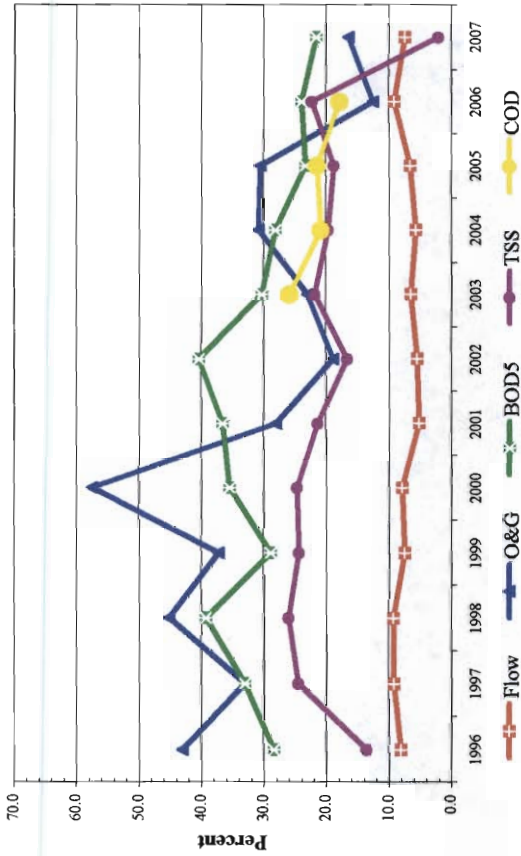


LITTLE ROCK WASTEWATER UTILITY  
ENVIRONMENTAL ASSESSMENT DIVISION  
POTW PLANT INFLUENT/FINAL EFFLUENT LOADING TRENDS

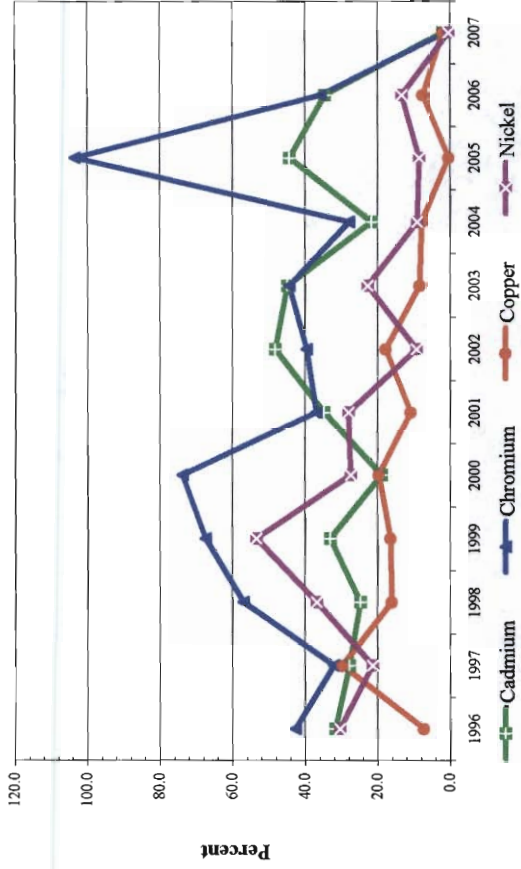


**LITTLE ROCK WASTEWATER UTILITY  
ENVIRONMENTAL ASSESSMENT DIVISION  
IU PERCENT CONTRIBUTIONS**

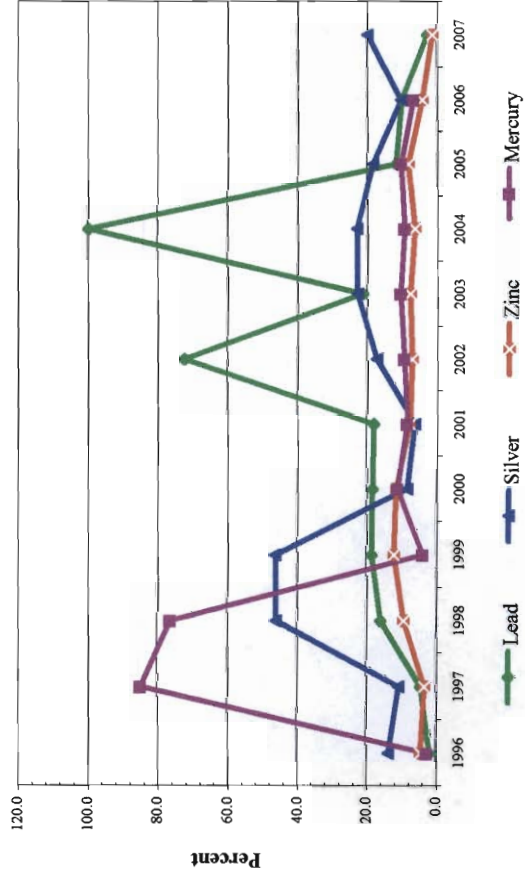
**IU % Contributions**



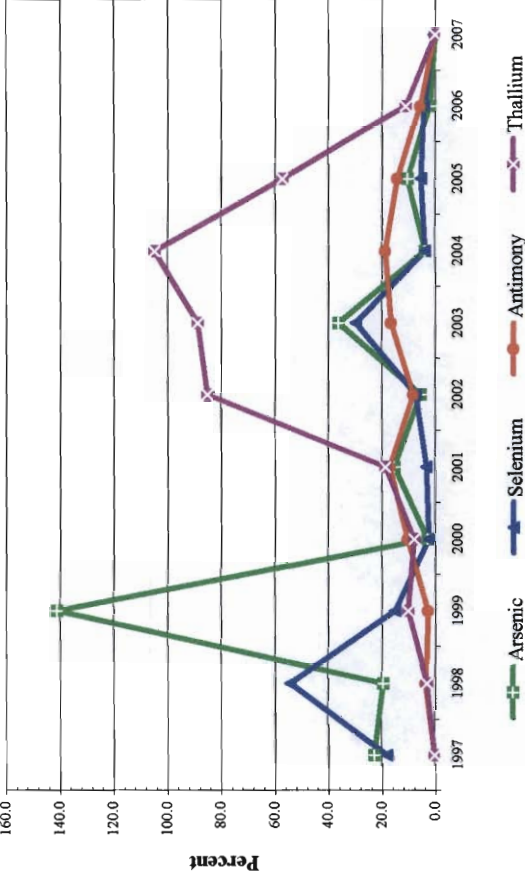
**IU % Contributions**



**IU % Contributions**

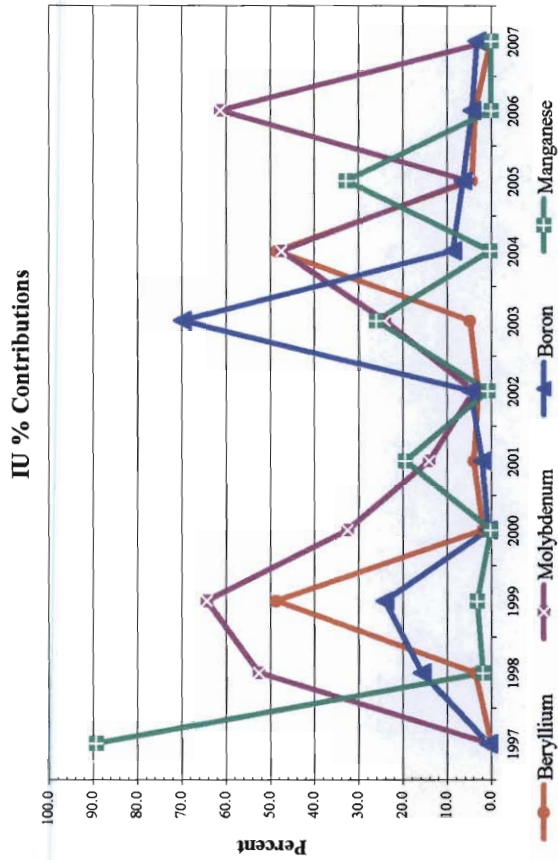
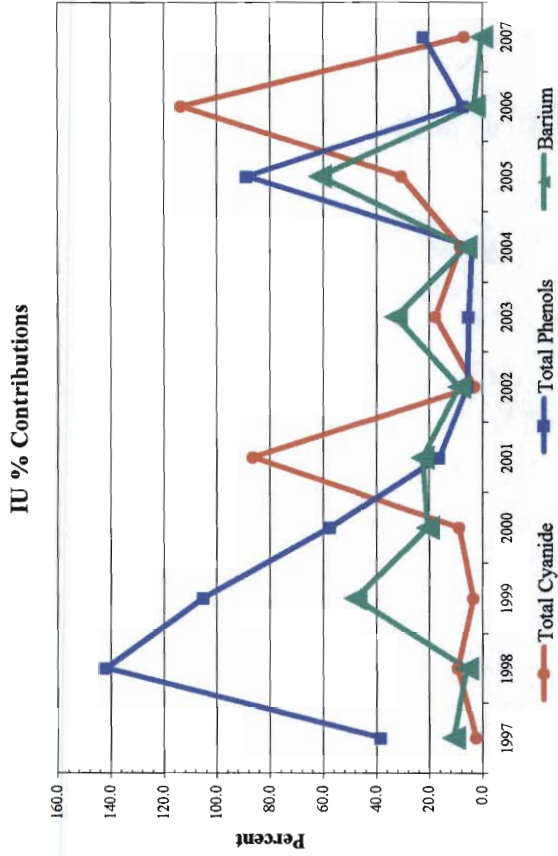


**IU % Contributions**

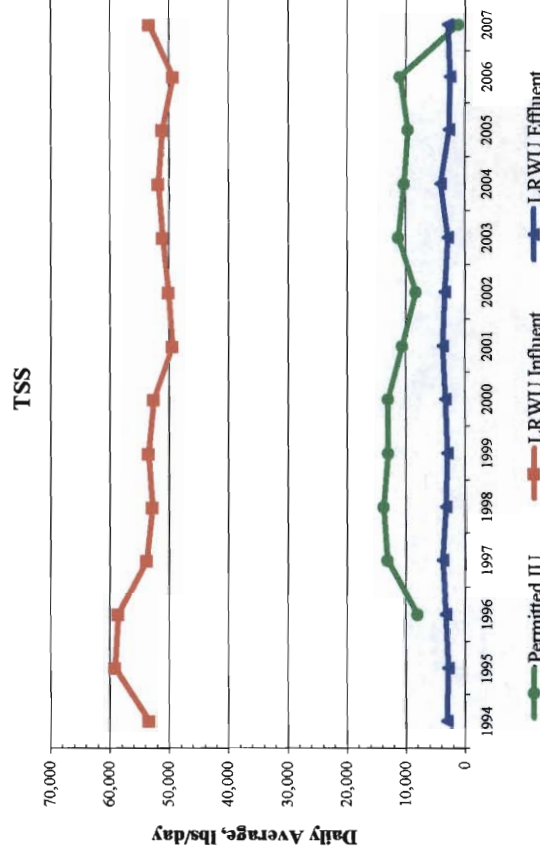
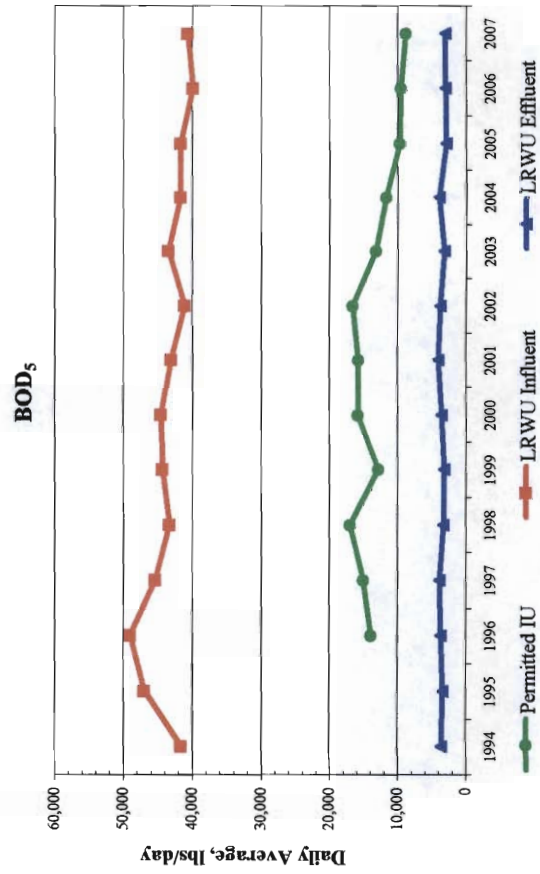
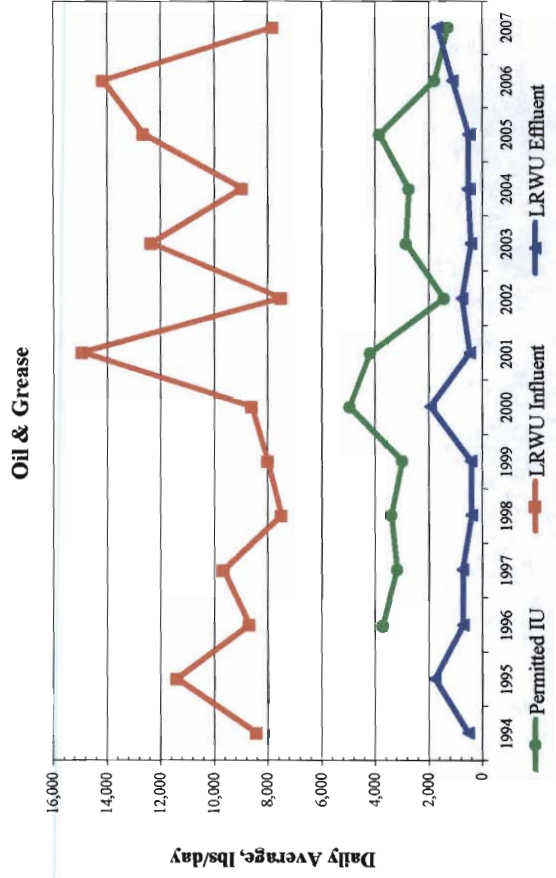
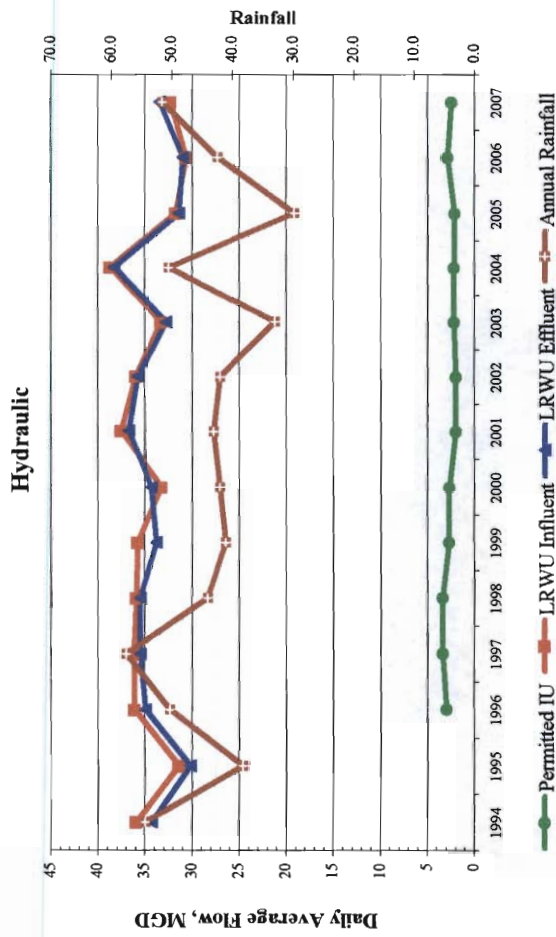




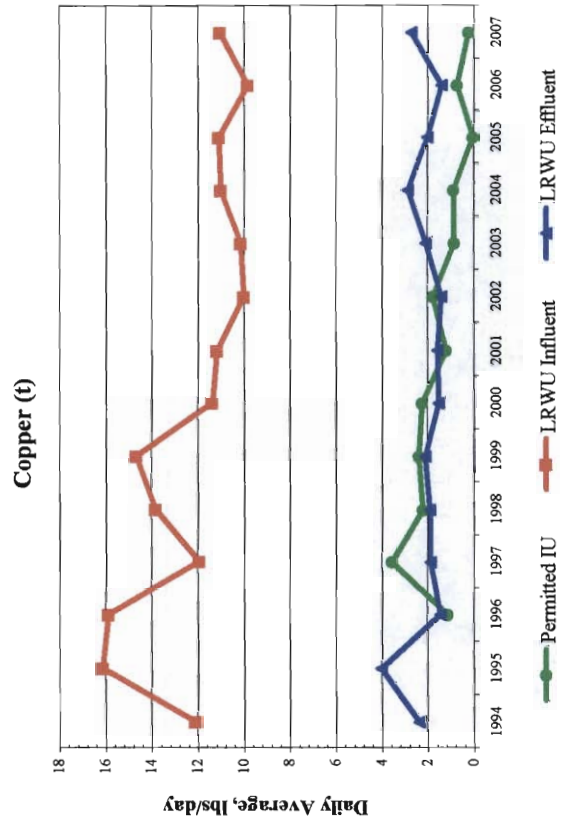
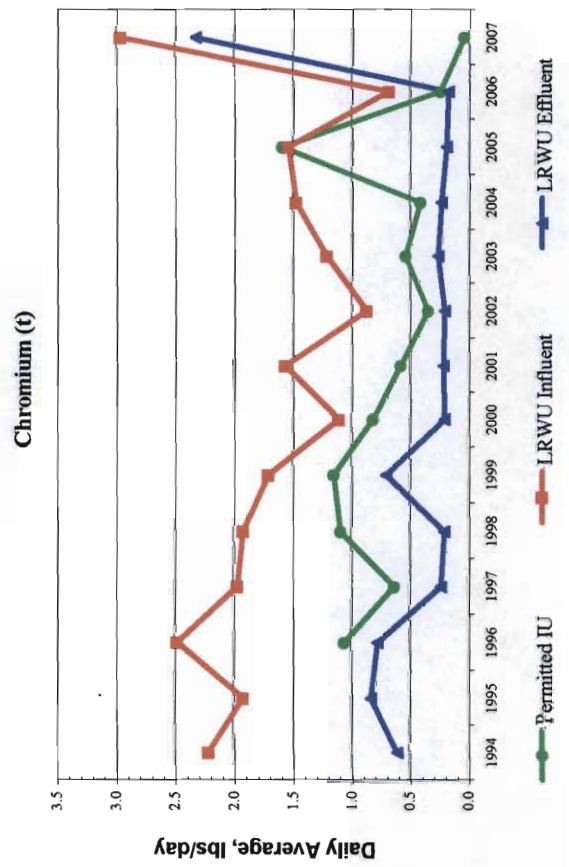
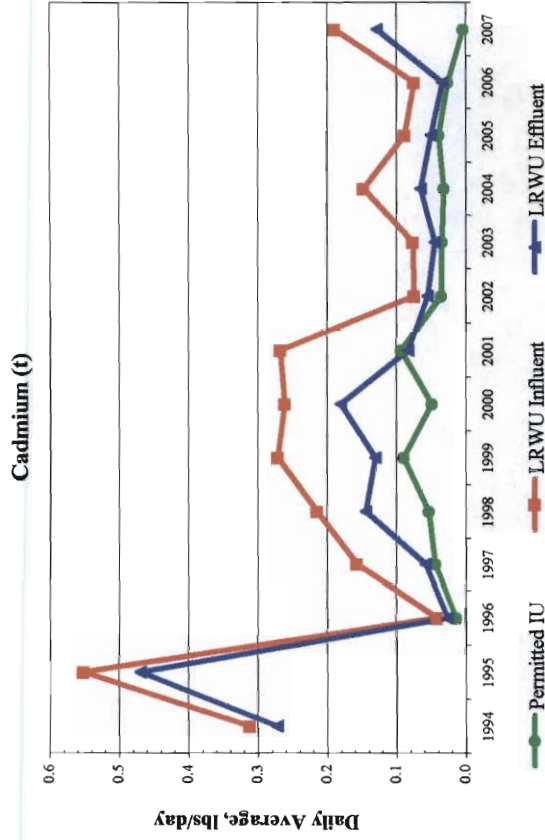
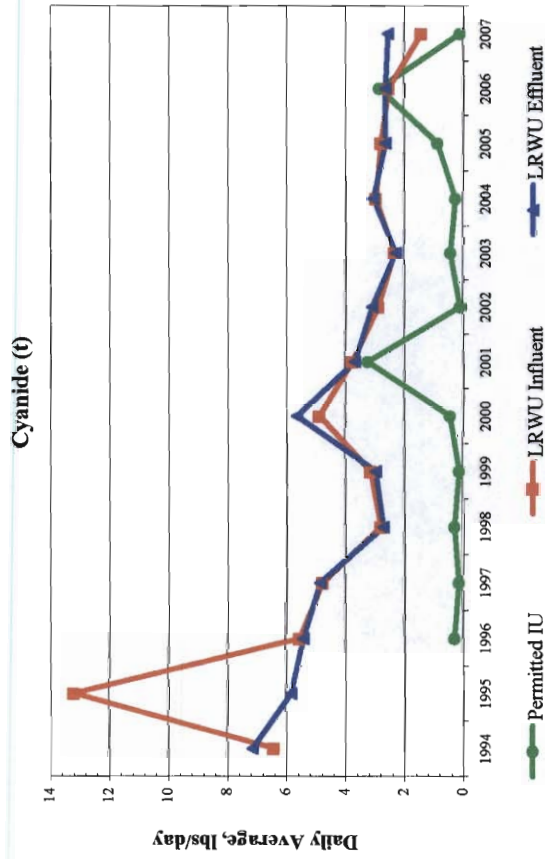
**LITTLE ROCK WASTEWATER UTILITY  
ENVIRONMENTAL ASSESSMENT DIVISION  
IU PERCENT CONTRIBUTIONS**



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

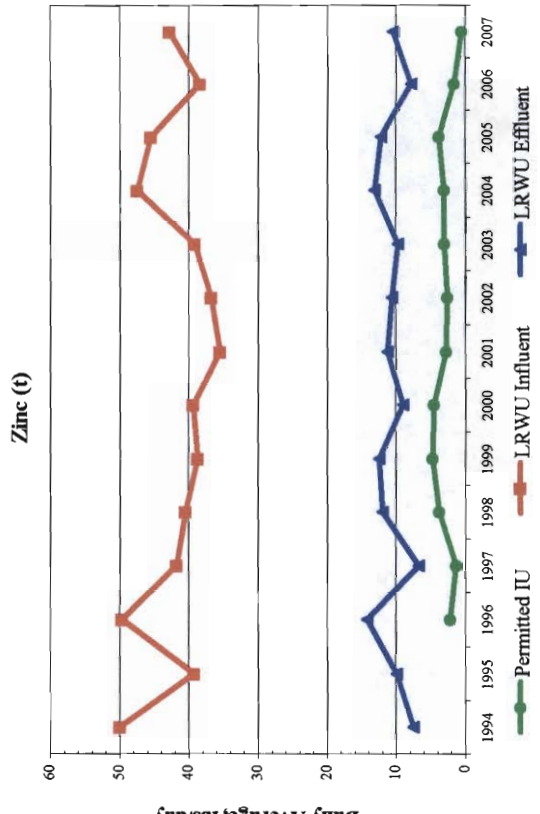
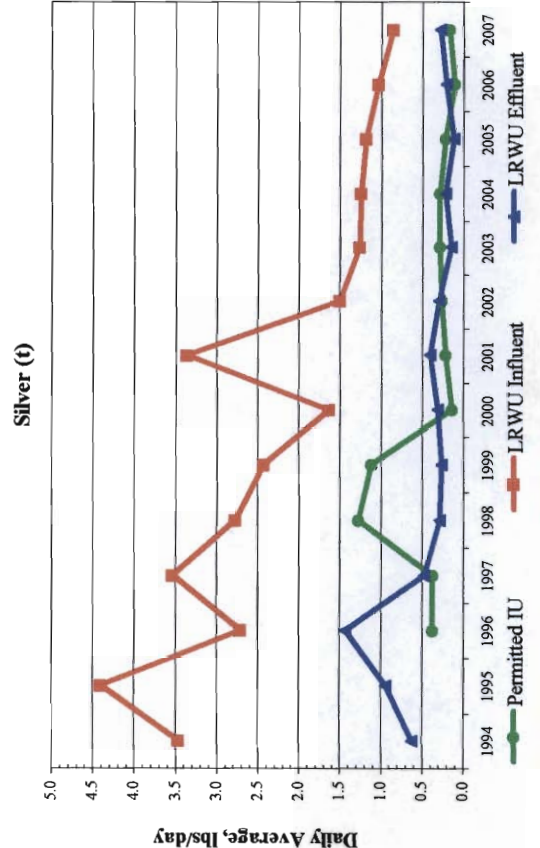
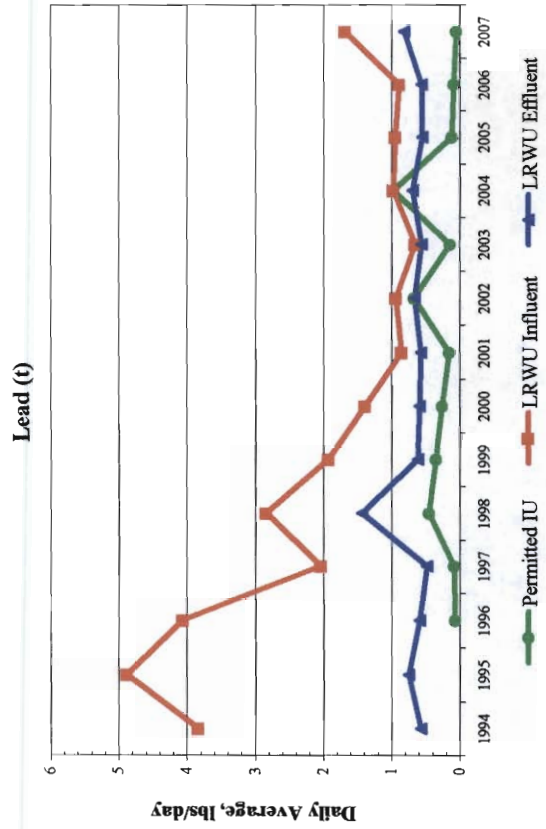
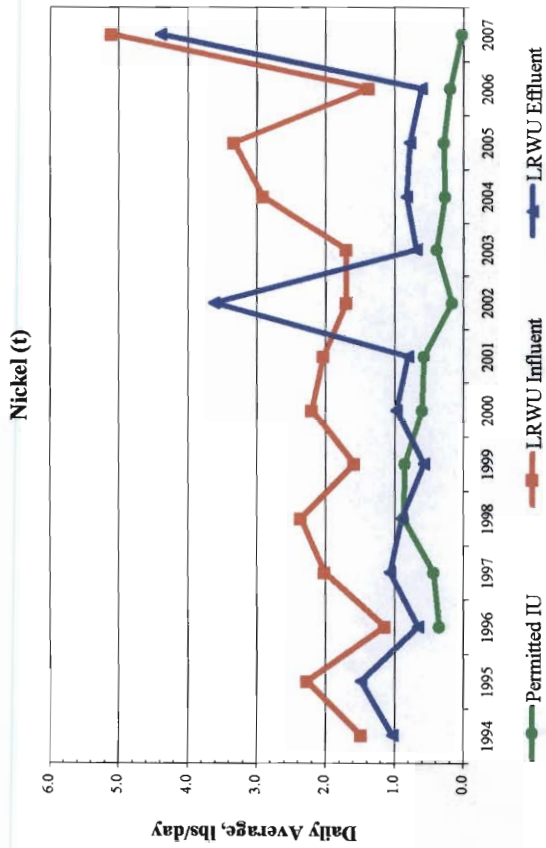


**LITTLE ROCK WASTEWATER UTILITY  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 LRWU TOTAL SYSTEM LOADING TRENDS**

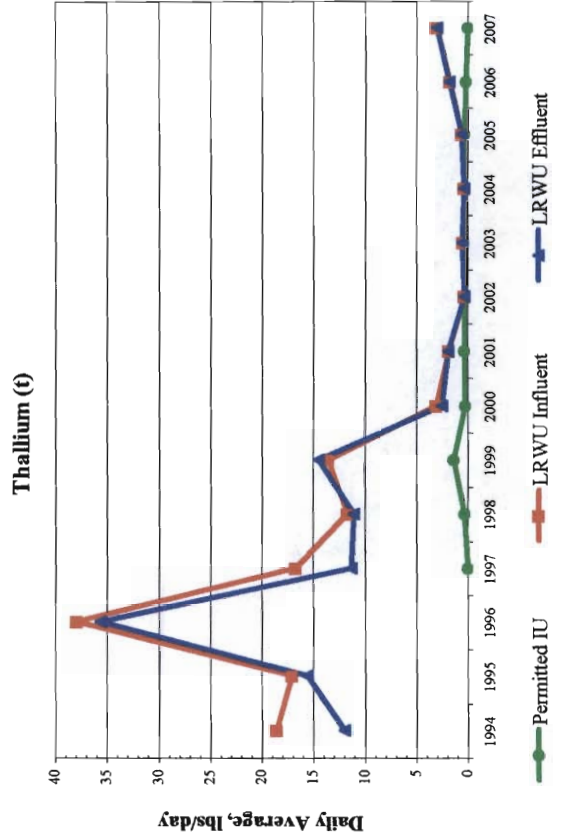
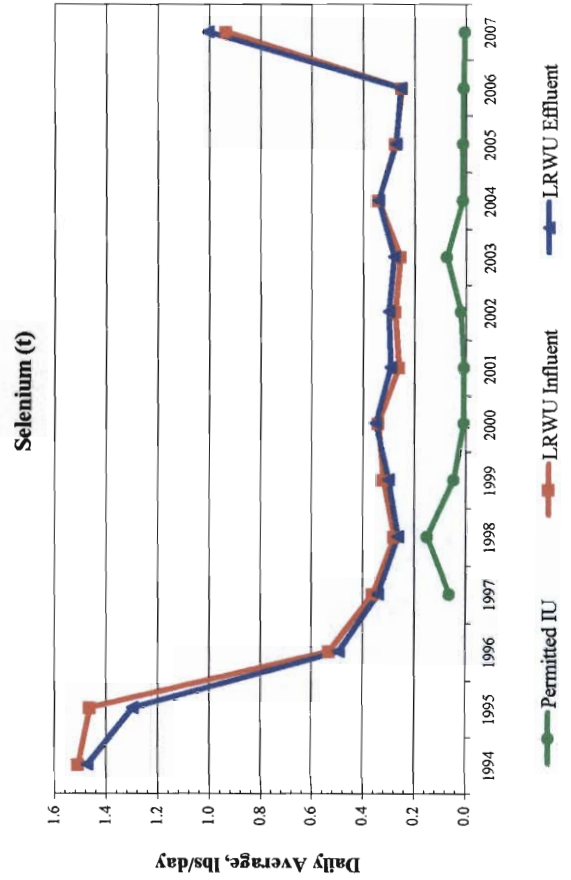
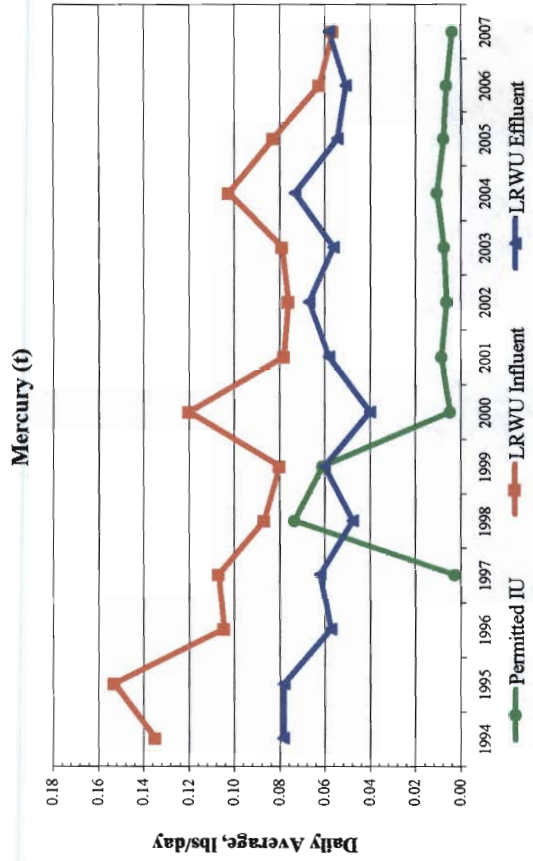
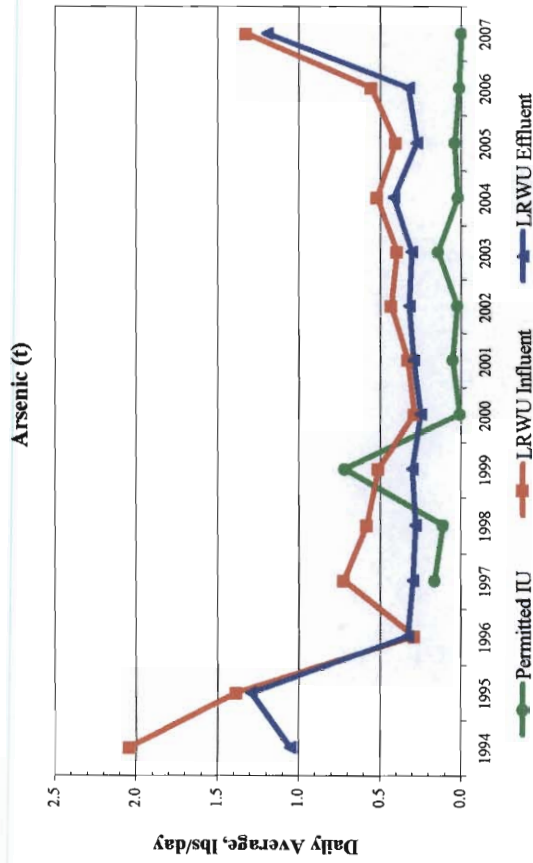




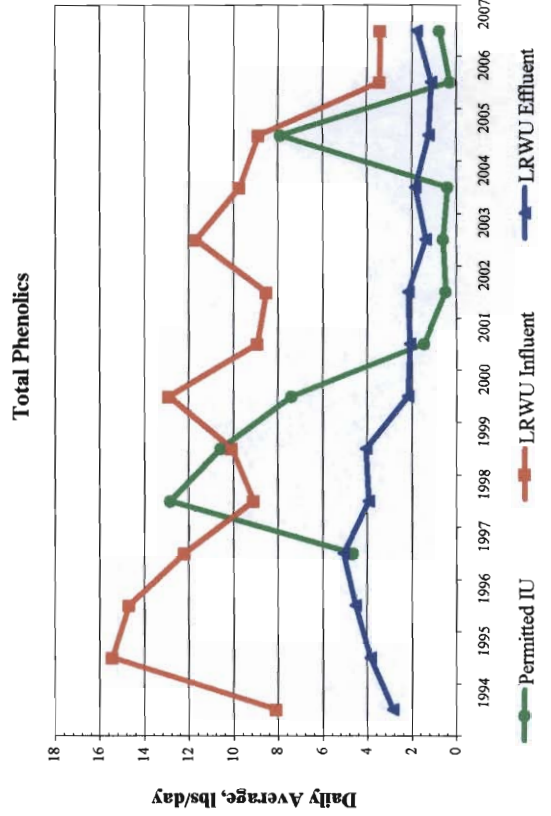
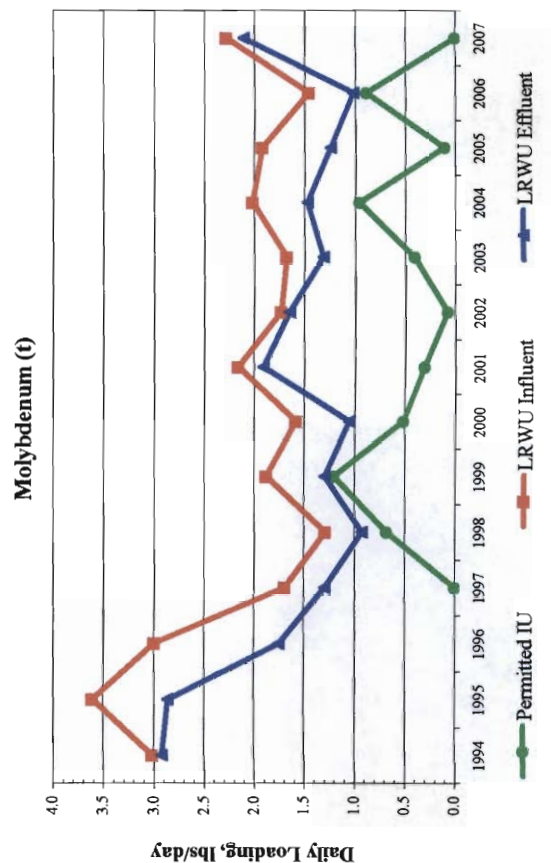
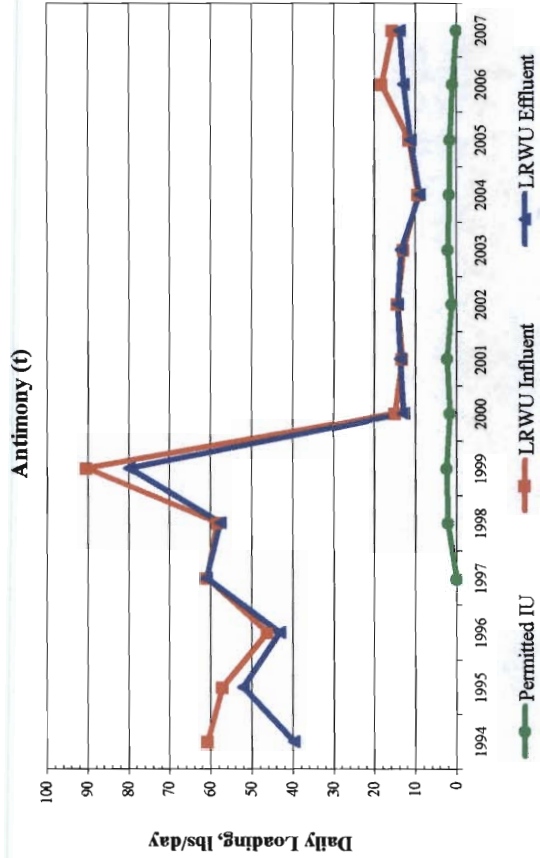
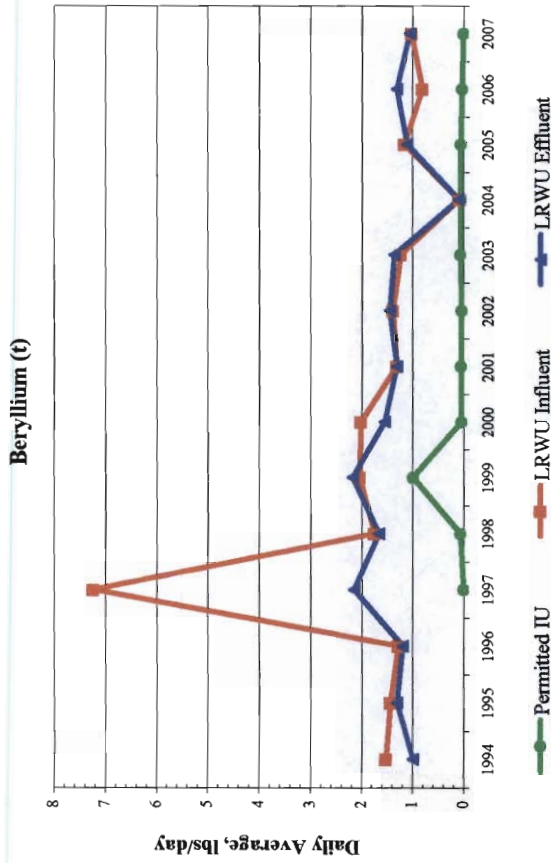
**LITTLE ROCK WASTEWATER UTILITY  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 LRWU TOTAL SYSTEM LOADING TRENDS**



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

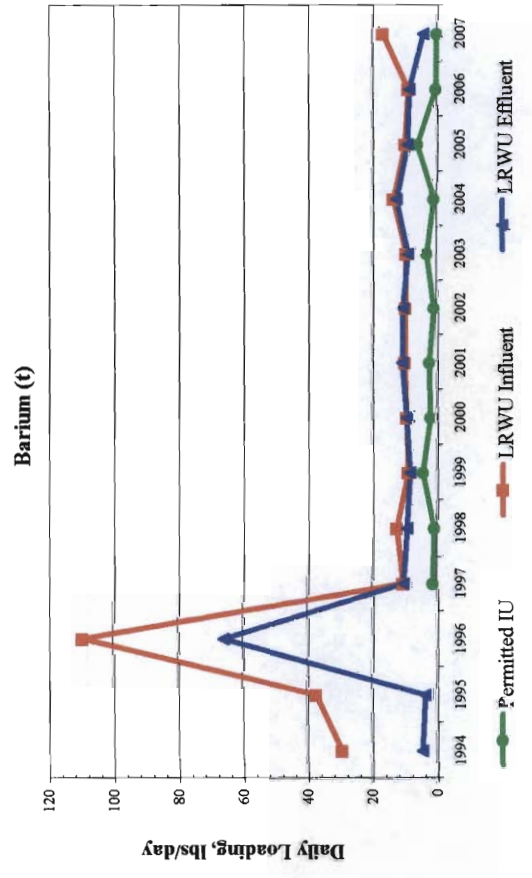
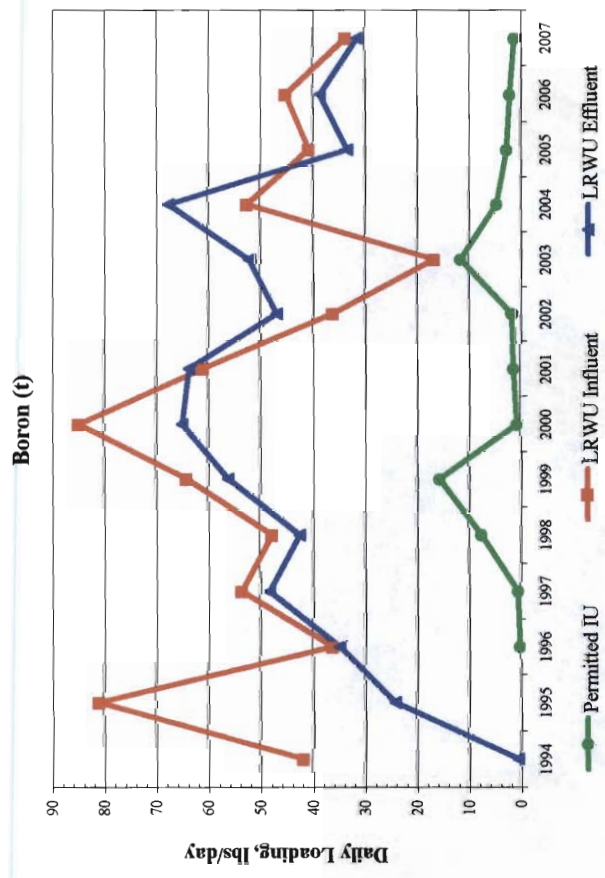
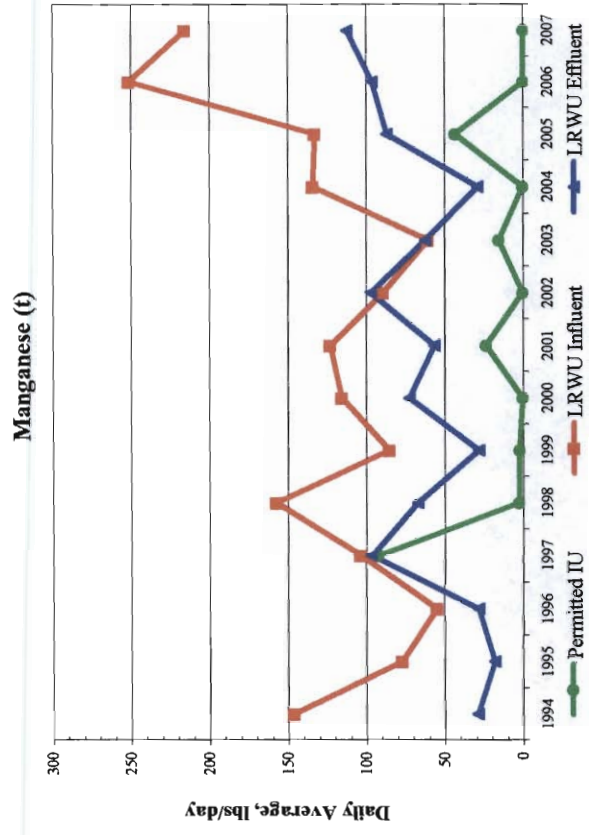


**LITTLE ROCK WASTEWATER UTILITY  
 ENVIRONMENTAL ASSESSMENT DIVISION  
 LRWU TOTAL SYSTEM LOADING TRENDS**





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



**BIOSOLIDS 2007**  
**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 6103 dry tons of biosolids were land applied during 2007.

Biosolids from Lagoon 3 and 4 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 3 and 4 - 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 2007-LAGOONS 3 AND 4  
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)					
3/20/2007	046-3-001		13.1 < 2.5	106	414	16 < 3.3	< 8.3	24.5	4.9	8	1399					6.12	50.22	7.51	
	046-3-002		16.2 < 2.4		429	24 < 3.2	< 8.1	24.3 <	3.2		1498					6.17	50.85	7.57	
	046-3-003		12.9 < 1.9		371	6 < 2.6	< 6.6	25.7	2.6		1152					7.78	51.9	7.51	
	046-3-004		18.5 < 2.3		437	8 < 3.1	< 7.8	30.8	3.1		1361 < 1.6					6.5	50.26	7.62	
	046-3-005		21.4 < 2.3		418	8 < 3.1	< 7.7	22.9	3.1		1487					6.55	48.86	7.5	
	046-3-006		15.6 < 2.3		428	8 < 3.1	< 7.7	23.3	3.1		1427					6.43	49.97	7.72	
	<b>Lagoon 3</b>	<b>AVG</b>	<b>16.3 &lt; 2.3</b>	<b>106</b>	<b>416</b>	<b>12 &lt; 3.1</b>	<b>&lt; 7.7</b>	<b>25.3</b>	<b>3.3</b>	<b>8</b>	<b>1387 &lt; 1.6</b>					<b>6.59</b>	<b>50.34</b>	<b>7.57</b>	
3/20/2007	046-4-001		12.6 < 2.4	193	430	43 < 3.1	< 7.9	23.6	3.1	8	1415 < 1.2					6.35	51.81	7.62	
	046-4-002		15.6 < 2.3		423	23 < 3.1	< 7.9	23.4	3.1		1434					6.4	51.68	7.8	
	046-3-003		12.4 < 2.3		453	31 < 3.1	< 7.8	23.3	6.2		1412					6.45	51.14	7.69	
	046-4-004		12.6 < 2.4		442	16 < 3.1	< 7.9	15.7	3.1		1422					6.37	52.29	7.72	
	046-5-005		16.6 < 2.5		439	25 < 3.3	< 8.3	24.9	3.3		1522					6.02	52.11	7.6	
	046-6-006		14.7 < 2.8		431	18 < 3.7	< 9.3	27.5	3.7		1438					5.45	52.39	7.98	
	<b>Lagoon 4</b>	<b>AVG</b>	<b>14.1 &lt; 2.5</b>	<b>193</b>	<b>436</b>	<b>26 &lt; 3.2</b>	<b>&lt; 8.2</b>	<b>23.1</b>	<b>3.8</b>	<b>13</b>	<b>1441 &lt; 1.2</b>					<b>6.17</b>	<b>51.90</b>	<b>7.74</b>	

<b>Average</b>	<b>15.2 &lt; 2.4</b>	<b>150</b>	<b>426</b>	<b>19 &lt; 3.2</b>	<b>&lt; 7.9</b>	<b>24.2</b>	<b>3.5</b>	<b>11</b>	<b>1414 &lt; 1.4</b>							<b>6.38</b>	<b>51.12</b>	<b>7.65</b>
<b>Maximum</b>	<b>21.4 &lt; 2.8</b>		<b>453</b>	<b>43 &lt; 3.7</b>	<b>&lt; 9.3</b>	<b>30.8</b>	<b>6.2</b>		<b>1522</b>							<b>7.78</b>	<b>52.39</b>	<b>7.98</b>
<b>Minimum</b>	<b>12.4 &lt; 1.9</b>		<b>371</b>	<b>6 &lt; 2.6</b>	<b>&lt; 6.6</b>	<b>15.7</b>	<b>2.6</b>		<b>1152</b>							<b>5.45</b>	<b>48.86</b>	<b>7.5</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 2007-LAGOONS 3 AND 4  
 NUTRIENTS ANALYSIS SUMMARY

Sample Date	Sample Location	Sample Type	Test Parameters - Reported in mg/kg dry							PCB* TCLP*
			Nitrate(NO3)	Nitrite(NO2)	Phosphorus	Potassium	Ammonia as N	Total Kjeldahl Nitrogen		
March 20, 2007	046-3-001	Grab	< 5	< 5	37000	2300	16000	39000		
	046-3-002	Grab	< 5	< 5	38000	2400	12000	40000		
	046-3-003	Grab	< 5	< 5	39000	2100	8000	27000		
	046-3-004	Grab	< 5	< 5	39000	1800	8000	17000		
	046-3-005	Grab	< 5	< 5	37000	2100	4200	11000		
	046-3-006	Grab	< 5	< 5	37000	2000	8700	24000		
	<b>Lagoon 3</b>	<b>AVG</b>	< 5	< 5	<b>37833</b>	<b>2117</b>	<b>9483</b>	<b>26333</b>	< 0.9	Pass
March 20, 2007	046-4-001	Grab	< 5	< 5	36000	1900	18000	54000		
	046-4-002	Grab	< 5	< 5	37000	2000	17000	49000		
	046-4-003	Grab	< 5	< 5	36000	1600	18000	50000		
	046-4-004	Grab	< 5	< 5	35000	1800	17000	49000		
	046-4-005	Grab	< 5	< 5	36000	2000	19000	58000		
	046-4-006	Grab	< 5	< 5	39000	3300	20000	52000		
	<b>Lagoon 4</b>	<b>AVG</b>	< 5	< 5	<b>36500</b>	<b>2100</b>	<b>18167</b>	<b>52000</b>	< 2	Pass

<b>Average</b>	< 5	< 5	37167	2108	13825	39167	< 2	Pass
<b>Maximum</b>	< 5	< 5	39000	3300	20000	58000		
<b>Minimum</b>	< 5	< 5	35000	1600	4200	11000		

\* 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.



CODE SHEET

Annual Report

CODE

Auditor's Name

Gillian

Permit Number

AR0021806

Period Report Covers End Date

12/31/07

PSED

Start Date

1/1/07

PSSD

PPETS WENDB DATA ELEMENTS

Significant IUs in Significant Noncompliance  
with Pretreatment Compliance Schedule

0

SSNC

NOV's and A.O.'s Issued Against  
Significant IUs

0

FENF

Civil and/or Criminal Judicial Actions  
Against Significant IUs

0

JUDI

Significant IUs with Significant Violations  
published in Newspaper

0

SVPU

IUs from which penalties have been collected

6

IUPN

COMMENTS:

---

---

---

---

---

---

---

---

---

---