



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Washington, D.C. 20460

Form Approved  
OMB No. 2040-0003  
Approval Expires 7-31-85

# NPDES Compliance Inspection Report

## Section A: National Data System Coding

Transaction Code			NPDES										yr/mo/day				Inspec. Type		Inspector		Fac Type								
1	N	2	5	3	A	R	0	0	2	0	3	0	3	11	12	0	6	1	2	0	1	17	18	I	19	S	20	2	
Remarks																													
0	0	2	C																										
Inspection Work Days				Facility Evaluation Rating				BI		QA		Reserved																	
67				69	70	N	71	N	72	N	73			74	75														80

## Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number)  <b>Blue Beacon Truckwash</b> - located south of the Galloway Exit on I-40, in North Little Rock, AR	Entry Time /Date 1015 on 12-1-06	Permit Effective Date 3-1-04						
	Exit Time/Date 1045 on 12-1-06	Permit Expiration Date 12-31-07						
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Walter Nixon – Manager / 501-945-7023		Other Facility Data						
Name, Address of Responsible Official/Title/Phone and Fax Number Walter Nixon – Manager / 501-945-7023 P.O. Box 17923 North Little Rock, AR 72117		<table border="1"> <tr> <td>Yes</td> <td>Contacted</td> <td>No</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	Yes	Contacted	No		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Yes	Contacted	No						
	<input checked="" type="checkbox"/>	<input type="checkbox"/>						

## Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

- Permit	- Flow Measurement	- Operations & Maintenance	- Sampling
- Records/Reports	- Self-Monitoring Program	- Sludge Handling/Disposal	- Pollution Prevention
- Facility Site Review	- Compliance Schedules	Y Pretreatment	- Multimedia
- Effluent/Receiving Waters	- Laboratory	- Storm Water	- Other:

## Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

This IU is a non categorical SIU. Wastewater is generated from prewashing, washing, and rinsing of commercial trucks, and their engines. A large floor drain acts as a sedimentation trap. Soda ash is used for pH adjustment. Sediment and grit are disposed of at a commercial landfill. 300 tons are disposed of annually. There were no problems noted at the time of this inspection.

Name(s) and Signature(s) of Inspector(s) Eric M. Fleming /	Agency/Office/Telephone/Fax ADEQ / Little Rock / (501)-682-0659	Date 12-1-06
Signature of Management QA Reviewer	Agency/Office/Phone and Fax Numbers	Date

**POTW Pretreatment Program**

**Industrial Site Visit**

Name of Industry: Blue Beacon Truckwash

Industry Contacts: Walter Nixon – Manager / 501-945-7023

Type of Industry: Commercial truckwash

Date and time of visit: 12-1-06 @ 1015

- |  |   |  |   |
|--|---|--|---|
| 1. Significant industrial user:                        | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <input type="checkbox"/> Not Determined |
| 2. Pretreatment equipment or procedures?               | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <input type="checkbox"/> N/A            |
| 3. Pretreatment equipment maintained and operational?  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <input type="checkbox"/> N/A            |
| 4. Hazardous waste generated or stored?                | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A            |
| 5. Proper solid waste disposal?                        | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <input type="checkbox"/> N/A            |
| 6. Solvent management/TTO control?                     | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| 7. Suitable sampling location?                         | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <input type="checkbox"/> N/A            |
| 8. Appropriate self-monitoring procedures / equipment? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <input type="checkbox"/> N/A            |
| 9. Adequate spill prevention?                          | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <input type="checkbox"/> N/A            |
| 10. Industry familiar with limits and requirements?    | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <input type="checkbox"/> N/A            |

Additional Comments: \_\_\_\_\_

This IU is a non categorical SIU. Wastewater is generated from prewashing, washing, and rinsing of commercial trucks, and their engines. A large floor drain acts as a sedimentation trap. Soda ash is used for pH adjustment. Sediment and grit are disposed of at a commercial landfill. 300 tons are disposed of annually. There were no problems noted at the time of this inspection.

Visit Conducted By:  Date: 12-1-06



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Remarks																													
0		0		2		C																							
Inspection Work Days						Facility Evaluation Rating						BI		QA		Reserved													
67						70						N		N		80													

## Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number)  <b>Arkansas Surgical Hospital</b> - located at 5210 Northshore Drive, in North Little Rock, AR	Entry Time /Date 0915 on 12-1-06	Permit Effective Date 3-1-04
	Exit Time/Date 1000 on 12-1-06	Permit Expiration Date 12-31-07
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Joe Lancaster – Chief Engineer / 501-748-8093		Other Facility Data
Name, Address of Responsible Official/Title/Phone and Fax Number Lyndell H. Weaks / 501-748-8017 5201 Northshore Drive North Little Rock, AR 72118	Contacted _____ Yes _____ No <b>x</b>	

## Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

- Permit	- Flow Measurement	- Operations & Maintenance	- Sampling
- Records/Reports	- Self-Monitoring Program	- Sludge Handling/Disposal	- Pollution Prevention
- Facility Site Review	- Compliance Schedules	<b>Y</b> Pretreatment	- Multimedia
- Effluent/Receiving Waters	- Laboratory	- Storm Water	- Other:

## Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

This new IU is a non categorical SIU. The facility SIC# is 8062. Wastewater is generated from washing and cleaning. There is no laundry service or cafeteria. There are no pretreatment units in place at this time. No problems were found during this site visit.

Name(s) and Signature(s) of Inspector(s)  Eric M. Fleming /	Agency/Office/Telephone/Fax ADEQ / Little Rock / (501)-682-0659	Date 12-1-06
Signature of Management QA Reviewer	Agency/Office/Phone and Fax Numbers	Date

**POTW Pretreatment Program**

**Industrial Site Visit**

Name of Industry: Arkansas Surgical Hospital

Industry Contacts: Lyndell H. Weaks / 501-748-8017

Type of Industry: Medical facility

Date and time of visit: 12-1-06 @ 0915

- |  |   |  |   |
|--|---|--|---|
| 1. Significant industrial user:                        | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <input type="checkbox"/> Not Determined |
| 2. Pretreatment equipment or procedures?               | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A            |
| 3. Pretreatment equipment maintained and operational?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| 4. Hazardous waste generated or stored?                | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A            |
| 5. Proper solid waste disposal?                        | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <input type="checkbox"/> N/A            |
| 6. Solvent management/TTO control?                     | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| 7. Suitable sampling location?                         | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <input type="checkbox"/> N/A            |
| 8. Appropriate self-monitoring procedures / equipment? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <input type="checkbox"/> N/A            |
| 9. Adequate spill prevention?                          | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| 10. Industry familiar with limits and requirements?    | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A            |

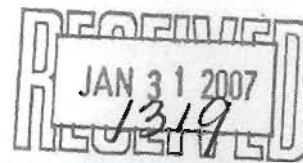
Additional Comments: \_\_\_\_\_

This IU is a new non categorical SIU. Wastewater is generated from washing and cleaning. There is no laundry service or cafeteria. There are no pretreatment units in place at this time. No problems were found during this site visit. The facility needs to be more aware of the reporting requirements of their IU Permit. A file review found that bi-annual metals sampling was performed in a different month than is required. I also found that required NC response letters are not submitted in a timely manner.

Visit Conducted By: Eli M. King Date: 12-1-06



033025



NORTH LITTLE ROCK WASTE WATER UTILITY

January 23, 2007

Cert. No. 7003 3110 0004 6966 7441

Water Division  
Arkansas Department of Environmental Quality  
P.O. Box 8913  
Little Rock, AR 72119-8913  
ATTN: Eric Fleming

RE: AFIN: No. 60-00274 NPDES Permit No's AR0020303, AR0020320, AR0038288

The following replies and/or corrective actions pertain to the "violations" noted during the annual inspection by Eric Fleming:

**AR0020320 – Five Mile Creek POTW**

**Finding:** The east curtain and the center curtain in the polishing pond are sagging and in need of repair.

**Reply:** We are discussing replacement of the curtains verses plant modifications and have obtained price information on new curtains. We plan to remedy the situation in the near future. However, this situation is not affecting the quality of our plant effluent discharge into the Arkansas River.

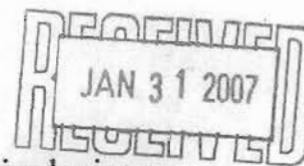
**Finding:** Flow measurement calibration checks are being performed, but a % error is not being calculated to see if the equipment is within 10%.

**Corrective Action:** The plant operator has been calculating the percent error, but has not been recording the value. He is now recording this information.

**Finding:** The 1.5 foot rectangular weir has end contractions, and is not partially contracted as stated. By using the wrong calibration calculation, the flow measurement percent error is 29.3%.

**Reply:** We believe that a misinterpretation of definitions exists. There are three types of flow through rectangular weirs; suppressed, fully contracted, and partially contracted. Suppressed is defined as having no end contractions, which means the channel width is equal to the weir notch width. Both fully contracted and partially contracted weirs have end contractions. In order to have fully contracted flow, the channel width minus the weir width must be greater than 4 times the maximum expected head. Under partially contracted flow conditions, the channel width minus the weir width is less than 4 times the maximum expected head. Since the pressure sensor in use has a range of 0 to 3 foot, a 1.5 foot weir width was selected to provide the best possible resolution. In order to meet this demand with the current channel width, partially contracted flow calculations would have to be utilized. Sources such as the ISCO Handbook give the formulas for





fully contracted flow only. Partially contracted flow formulas can be obtained using a program provided publicly by the United States Bureau of Reclamation on their website. They have done extensive research on open channel flow measurement, and their hydraulic engineer, Tony Wahl, PE, designed this program. The program is an Excel spreadsheet in which the user enters data such as channel width, maximum head, and weir width. It will crunch the numbers, state whether flow is partially or fully contracted and provide the formula. This program was used to obtain our formula for our weir at Five Mile Creek. All of this was explained during the audit. In summary, the wrong formula was used in calculating the 29.3% error. That formula was meant to be applied to a fully contracted weir. Our weir is a partially contracted and when the proper formula is used, the percent error is only 4.65% which is well within the 10% allowable range.

#### AR0020303 – Faulkner Lake POTW

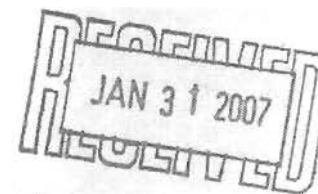
**Finding:** Based upon my inspection, it was determined that the “No Exposure” Certification is not applicable at this POTW, due to untreated facility outfalls leaving the property. An outfall was noted on the south side of the property, just east of the old outfall structure.

**Corrective Action:** During the last plant re-build, a temporary road was installed for construction purposes. The final grading of the area in question did not correct the existing slope which allows storm water and bar screen dumpster effluent to run down the slope and at times, along the gravel road beyond the fence area. We have corrected the slope run-off issue by filling in the area with gravel. We are currently installing a drain area for the bar screen dumpster effluent which will flow back into the bar screen well.

#### AR0038288 – White Oak Bayou POTW

**Finding:** Not all discharges are permitted. It appears that the manhole next to the clarifier periodically overflows. The area downslope from the manhole is washed out causing the concrete sidewalk to collapse. A few small grease balls were noted in the grass next to the manhole.

**Reply:** The manhole in question is a grease pit and experiences an overflow when constant monitoring is not maintained by the plant operator. The last overflow occurred over the holidays when the assigned plant operator was on vacation. Effluent from the overflow was immediately cleaned up. We have advised all of our operators that might be checking this plant during the regular operator’s absence, to check the level of the grease pit. The washed out conditions that exist were caused by a construction repair job in 2000. We had to dig down 20 feet to the clarifier valves to expose them for repair which caused an opening large enough to remove the existing concrete sidewalks leading up to the clarifier. The hole was backfilled and new sidewalks were installed before the ground had sufficient time for settling and packing. The “erosion” noted in the audit report is nothing more than the ground settling since 2000 which caused the sidewalks to crack and collapse. We plan to tear out existing sidewalk area, fill in area and compact



the fill. We will allow the area to settle another three to six months at which time new sidewalks will be installed.

**Finding:** The influent samples are not flow proportional as required by the Permit.

**Corrective Action:** We are currently checking into this situation with the flow meter supplier regarding communication capabilities between sampler and flow meter. We will remedy the problem by February 15, 2007.

**Finding:** A flow calculation check revealed an error of 14.7%.

**Reply:** According to our records, our flow meter checks have been within the 10% error range. We were experiencing high flows during the inspection time frame since we had just received 1.9" of rain. It is rather hard to get an accurate reading during high flows due to the water surging in the well. However, we will monitor this situation on a more frequent basis and correct any abnormalities as necessary.

#### Laboratory Services

**Finding:** It was also found that the relinquishing of the Bioassay samples, for all 3 POTW's, is unsatisfactory. The Chain of Custody records show lapses of custody between the sampler, the courier, and contract lab.

**Corrective Action:** Lab will ensure that the courier (bus station) signs off on all sample packages sent for testing, and that the final destination correctly relinquishes the samples to testing lab.

If there are any questions, please contact me at (501) 945-7186.

Sincerely,

Emric F. Roll  
Superintendent of Operations

cc: Gary Mills, Director, NRLWWU  
NPDES Enforcement Division