

ADEQ

ARKANSAS
Department of Environmental Quality

February 20, 2009

Belva Plumlee, Wastewater Utility Manager
Bentonville Wastewater Treatment Plant
1901 N.E. A Street
Bentonville, Arkansas 72712

RE: Suspected Collection System Release Investigation

AFIN: 04-00154 NPDES Permit No.: AR0022403

Dear Ms. Plumlee:

On February 10, 2009, I observed what was suspected to be wastewater surfacing in the vicinity of Lift Station #16, located northeast of the intersection of SW I St. and SW 8th St. in Bentonville. Although no wastewater odor was noted, an investigation was warranted due to the proximity of the area of surfacing to the lift station.

Mike Roberts, Assistant Wastewater Manager, met me at the lift station. Following his arrival, I contacted Preston Newbill of the Bentonville Water and Sewer Department. Mr. Newbill informed me that water lines were also buried in this area, and that he was aware of the surfacing as it has occurred in this vicinity during the wet season for several years. He stated that the water lines had previously been pressure tested and that no leaks in the lines had been detected.

As a precaution, the Bentonville Wastewater Treatment Plant obtained grab samples of the surfacing water on February 10, 2009. The samples were tested for the presence of fecal coliform bacteria and residual chlorine. I received the analytical results on February 20, 2009. The results revealed that no release from the wastewater plant collection system has occurred.

The Department appreciates your staff's valuable time and your prompt attention to this matter. If I can be of any assistance, please contact me at 479-267-0811, ext. 16.

Sincerely,



John Fazio
District 1 Field Inspector
Water Division

cc: Water Division Enforcement Branch
 Water Division Permits Branch

Water Division NPDES Photographic Evidence Sheet

Location: Bentonville Wastewater Treatment Plant Lift Station #16

Photographer: John Fazio **Witness:** N/A

Photo # 1 **Of** 3 **Date:** 02/10/09 **Time:** 1226

Description: Lift Station #16. Looking north.



Photographer: John Fazio **Witness:** N/A

Photo # 2 **Of** 3 **Date:** 02/10/09 **Time:** 1226

Description: Surfacing immediately west of Lift Station #16. No wastewater odor was noted.



Water Division NPDES Photographic Evidence Sheet

Location: Bentonville Wastewater Treatment Plant Lift Station #16

Photographer: John Fazio **Witness:** N/A

Photo # 3 **Of** 3 **Date:** 02/10/09 **Time:** 1235

Description: Surfacing and lift station at northeast corner of SW I St. & SW 8th St.



Photographer: **Witness:**

Photo # **Of** **Date:** **Time:**

Description:

| Date | Time Sample Caught | Sample I.D. # | Sample Location | ml of Sample | Colony Count | Out of Range Calc. | Incubation Date and Time | | Analyst | |
|---------|--------------------|---------------|-----------------|--------------|--------------|--------------------|--------------------------|---------|---------|-----|
| | | | | | | | Start | End | Start | End |
| 2/10/09 | | | Blank Before | 100 | 0 | | 2/10/09 | 2/11/09 | ES | ES |
| | 1:37pm | 209-115 | Lift Sta. | 10 | 0 | | 2:18pm | 12:30pm | | |
| | " | " | Lift Sta. | 20 | 0 | | | | | |
| | " | " | Lift Sta. | 50 | 0 | | | | | |
| | " | " | Lift Sta. | 100 | 1 | 1 | | | | |
| | | | Blank After | 100 | 0 | | | | | |

**Total Residual Chlorine
Plant Influent**

U.S. EPA Accepted DPD Hach Method 8167

| Date of Run | Analyst | Date of Sample | Time of Sample | Time of Run | Sample I. D. # | Sample Location | P. Eff. | | | Avg. Cl ₂ Res. (mg/l) | % Recovery |
|-------------|---------|----------------|----------------|-------------|----------------|-------------------|-----------------------------|------|------|----------------------------------|------------|
| | | | | | | | Cl ₂ Res. (mg/l) | Int. | Adj. | | |
| 2/10/09 | ES | 2/10/09 | | 1:55 pm | | Standard .25 | 0.25 | | | | 100% |
| | | | 1:37 pm | | 209-114 | 'I' St. Lift Sta. | 0.01 | 0.01 | 0.00 | <.01 | |
| | | | " | | " | Duplicate | 0.01 | 0.01 | 0.00 | | |
| | | | " | | " | Spike .25 | 0.24 | | 0.24 | | 96% |

Sample Collection Form

City of Bentonville WWTF Laboratory

Samples Obtained and Preserved per CFR 40 - 136

| Lab I.D. # | Sample Analysis | Sample Location | Sample Date | Sample Time | am pm | Sampled By | Sample Type | Sample | Container | Sample Preservation | Lab Arrival Time |
|------------|-----------------|------------------------|-------------|-------------|-------|------------|-------------|--------|-----------|---------------------|------------------|
| | | | | | | | | P/G | Vol. mLs | | |
| 209-114 | Cl ₂ | Lift Station 'I' + 8th | 2/10/09 | 1:37 | pm | ES | G | G | 250 | 4° C | 1:47 pm |
| 209-115 | FECAL | Lift Station 'I' + 8th | 2/10/09 | 1:37 | pm | ES | G | G | 250 | 4° C | 1:47 pm |