



## Site Visit Summary

**Facility:** City of Bentonville

**Permit Number:** AR0022403

**Date of site visit:** September 19, 2008

**Attendees:** Belva Plumlee – Wastewater Utilities Manager, phone 479 271 3160

e-mail: BPlumlee@bentonvillear.com

Marysia Jastrzebski, NPDES Permit engineer, ADEQ

Bruce Kirkpatrick, Inspector, ADEQ

**Treatment system:** Existing system with design flow of 4.0 mgd: bar screen, grit and scum removal, aeration basins, anoxic basins, final clarifiers, UV disinfection, post aeration

**Coordinates:** gate: 36 deg 23' 27.38"  
94 deg 12' 14.4" (PDS)

flow monitoring/sampling:

after postaeration:

36 deg 23' 31.7"

94 deg 12' 13.4"

Outfall 001: 36 deg 23' 32.4"

94 deg 12' 12.6"

**Discussion:** Proposed permit requirements were discussed. Compliance assistance was provided. Current permit has a 6-hour composite sample requirement for most parameters. Based on EPA guidance, the composite sample duration increases with design flow. Due to the fact that samples must be started after 10:00 a.m. and due to the holding time requirements for some parameters, this 6-hour composite sample cannot be collected/analyzed during normal business hours for treatment facilities and contract laboratories. The facility requested 24-hour composite sampling which EPA permitting guidance considers to be a more stringent monitoring requirement for facilities with larger design flows. No problems were noted with the effluent or receiving stream.

From Google Earth:



influent:



Primary  
clarification:



One of two aerated basins (racetrack):



anoxic basins:



Final clarifier effluent:



001 sample point:





Outfall 001:





receiving stream downstream of 001:

