



Form Approved  
OMB No. 2040-0003

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

## NPDES Compliance Inspection Report

### Section A: National Data System Coding

Transaction Code	NPDES	Yr/Mo/Day	Inspec. Type	Inspector	Fac. Type
1 <b>N</b> 2 <b>5</b> 3 <b>A R 0 0 2 1 7 9 2</b> 11 12 <b>1 2 0 8 1 0</b> 17 18 <b>R</b> 19 <b>S</b> 20 <b>1</b>	Remarks				
Inspection Work Days		Facility Evaluation Rating		BI QA -----Reserved-----	
67 <input type="text"/> <input type="text"/> 69		70 <b>N</b>		71 <b>N</b> 72 <b>N</b> 73 <input type="text"/> <input type="text"/> 74 75 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 80	

### Section B: Facility Data

Name and Location of Facility Inspected ( <i>For industrial users discharging to POTW, also include POTW name and NPDES permit number</i> ) <b>City of Berryville</b> <b>1000 W. Cedarvale</b> <b>Berryville, Arkansas</b>	Entry Time/Date <b>1000 hrs / 8-10-2012</b>	Permit Effective Date <b>December 01, 2007</b>
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) <b>Kirby Murray, Public Works Director, 870-423-4074</b> <b>Darrell Backs, Chief Operator, 870-423-3749</b>	Exit Time/Date <b>1203 hrs / 8-10-2012</b>	Permit Expiration Date <b>November 30, 2012</b>
Name, Address of Responsible Official/Title/Phone and Fax Number <b>Kirby Murray, Public Works Director</b> <b>City of Berryville</b> <b>P.O. Box 227</b> <b>Berryville, Arkansas 72616</b> <b>870-423-4074, 870-423-4501 (fax)</b>	Contacted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Other Facility Data  <b>Facility: 36 21' 25.95", -93 34' 43.51"</b>  <b>PDS #067885</b>

### Section C: Areas Evaluated During Inspection

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

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

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

A recon level inspection was performed on 8-10-2012 to gather/provide information to be used in the upcoming permit renewal. Permit expires 11-30-2012. See attachment for details of this inspection. At the time of inspection the facility was producing what appeared to be high quality effluent. The facility appeared to be well maintained and in excellent operating condition. A separate report containing the information in this report was sent to the City by Marysia Jastrzebski, the NPDES Permit Writer. This NPDES Recon Inspection Report will not be sent to the City and therefore no letter is attached. Report will be routed to ADEQ Central Files.

Name(s) and Signature(s) of Inspector(s) <b>Bruce Kirkpatrick</b>	Agency/Office/Telephone/Fax <b>AR Dept. of Environmental Quality- Jasper</b> <b>870-446-6170; 870-4476-2181 (fax)</b>	Date <b>August 10, 2012</b>
Signature of Reviewer	Agency/Office/Phone and Fax Numbers	Date

## Site Visit Report

Facility: City of Berryville  
Permit Number: AR0021792  
Date of site visit: August 10, 2012  
Attendees: Kirby Murray, Public Works Director, [kirbymurray@gmail.com](mailto:kirbymurray@gmail.com)  
Ph 870-423-4074, cell-870-350-0651  
Darrell Backs, Chief Operator, [chiefop@hbeark.com](mailto:chiefop@hbeark.com)  
Ph. (870)423-3749  
Marysia Jastrzebski, NPDES Permit engineer  
Bruce Kirkpatrick, Water Inspector

treatment system: Wastewater: bar screen, anaerobic selector basins for phosphorus removal, anoxic/aerobic oxidation ditch system, final clarifiers, ultra violet disinfection, cascade aeration with a design flow of 2.4 MGD.

Sludge: gravity thickener, aerobic digester, sludge storage tanks, belt filter press, landfill.

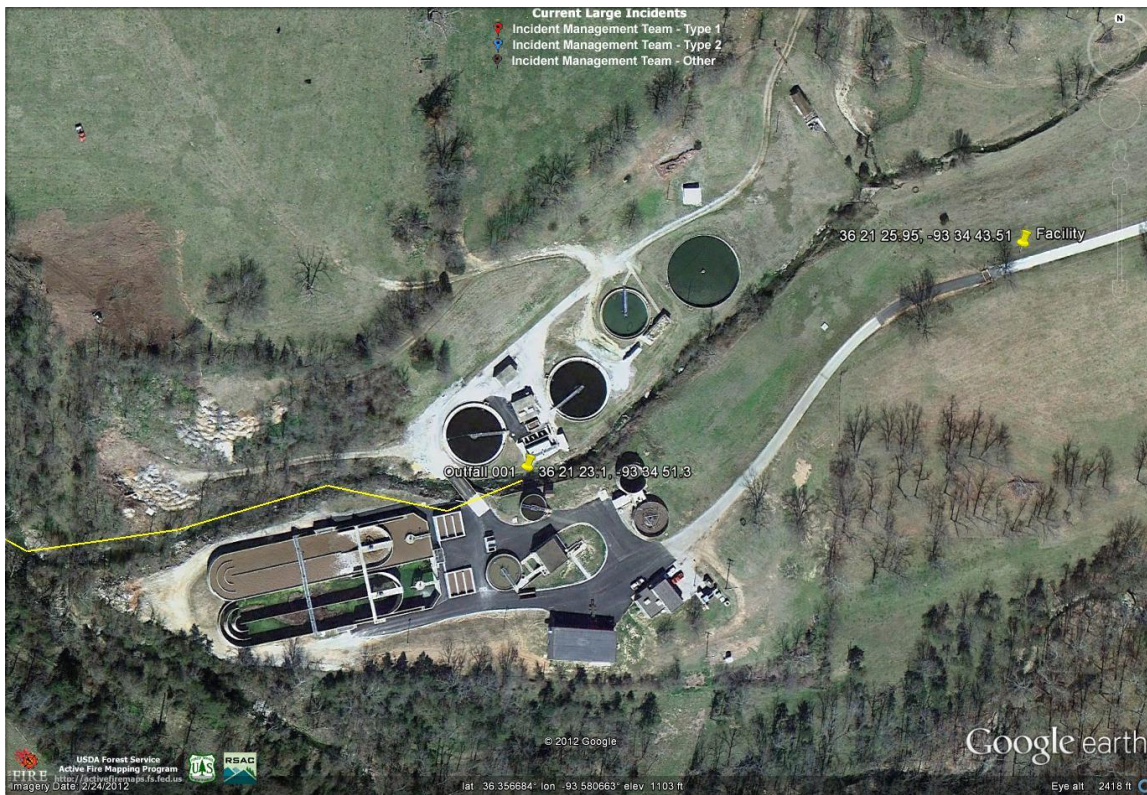
Last upgrade: 2009-2011

The main upgrades to the existing treatment facilities include the following: (1) construction of anaerobic selector basins to enable biological phosphorus removal, (2) the option to add alum or ferric for chemical phosphorus removal, (3) the conversion of the existing anaerobic digester to an aerobic digester, (4) the replacement of a mechanically cleaned bar screen, (5) modifications of the existing UV disinfection equipment, (6) installation of a cascade aeration unit, a new gravity belt, and a belt filter press. Additionally, various pumps, mixers, and valves and electrical equipment, instrumentation and controls will be replaced and/or upgraded.

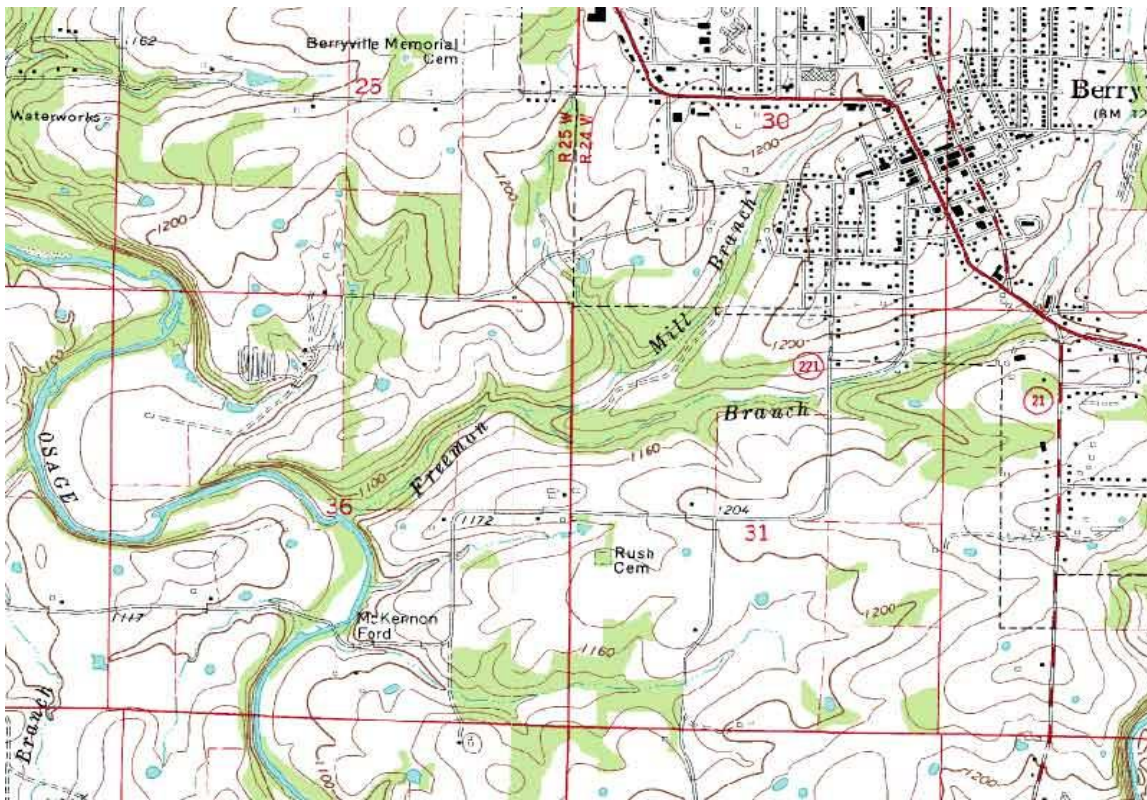
Discussed: Proposed changes to the permit.

Specific issues discusses in detail:

- a. TDS. Discussion of list of impaired streams. Reported values. Reviewed data for 04/2016 through 03/29/2011 (58 monthly sampling events): standard in Osage Creek (240 mg/l) met in WHI0068 (above discharge point) except in 10/2006 (245 mg/l); standard in Osage Creek in WHI0069 (below discharge point) violated 12 out of 58 times. Standard of 150 mg/l violated in WHI009A (Kings River) 23 times. No decision has been made if the limits be included in the permit.
- b. Sample type: 6-hr composite changed to composite.
- c. Monitoring frequencies: DO. Looks good. Reduced monitoring frequencies to once per week.
- d. Total Phosphorus. Some issues. Discussed DMR data.
- e. Schedule of compliance. Discussed progress reports.
- f. Sludge land application. The facility will land apply some remaining sludge under the existing permit and/or will allow TRS to land apply under their land application permits. No land application language is needed in the draft permit. All sludge will be transported to the landfill.
- g. Pretreatment. Long condition deleted. Replaced with standard short version. No requirement for any specific action.
- h. Tyson. 75% flow coming from Tyson. Any issues? Yes, high phosphorus concentrations (14 to 24 mg/l) create problems for meeting TP limits.
- i. Stormwater. Cover and dike to sludge handling areas? Yes, all sludge handling areas are under cover. Discussed "No Exposure Certification". If not submitted, coverage under General permit will be required since individual permits cannot include stormwater language.
- j. Biomonitoring. Proposed language was not prepared before this site visit.

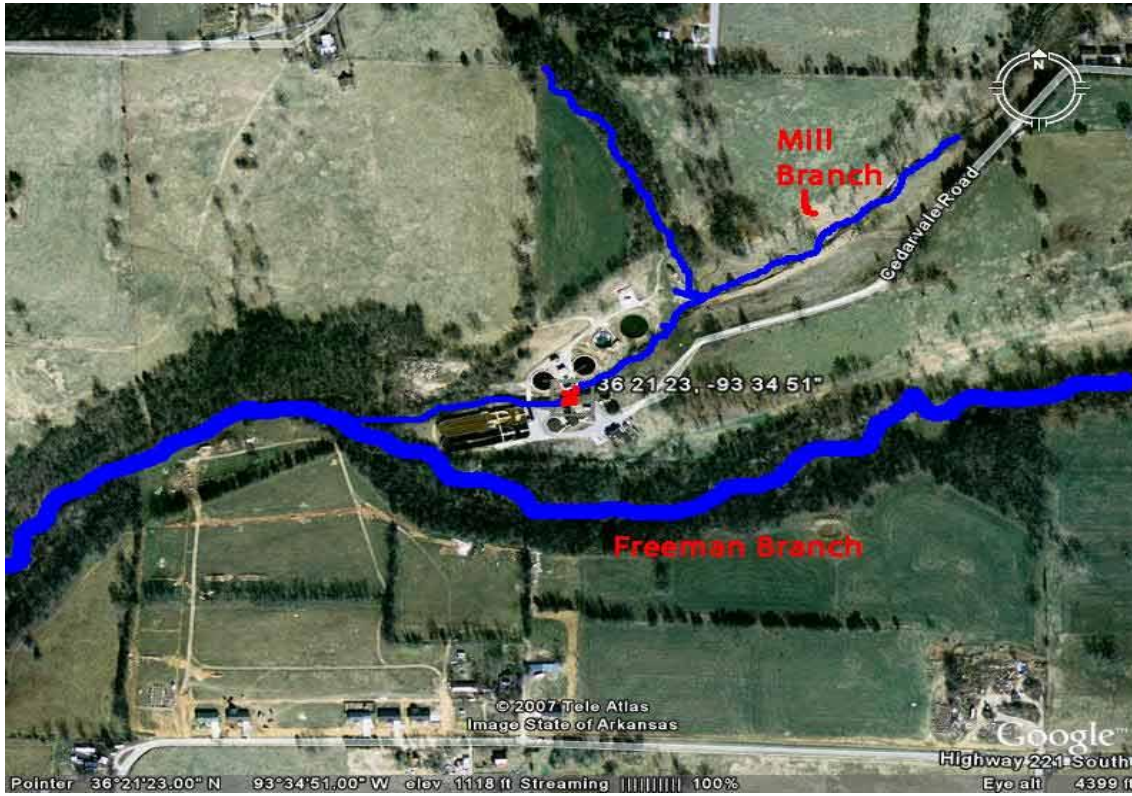


Google earth

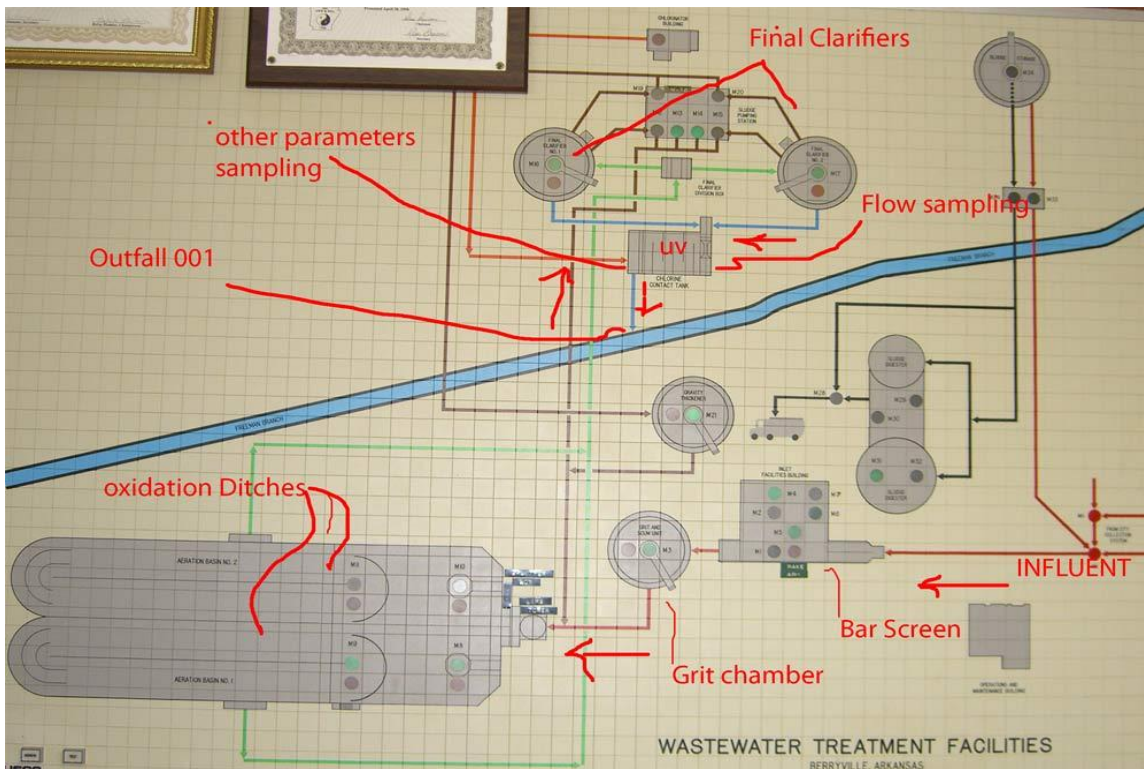


Topo map





Google earth



Schematic of plant