



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
JACKSON ENVIRONMENTAL FIELD OFFICE
1625 HOLLYWOOD DRIVE
JACKSON, TENNESSEE 38305-4316
PHONE (731) 512-1300 STATEWIDE 1-888-891-8332 FAX (731) 661-6283

March 10, 2015

Mr. John D. Adams
North Utility District of Benton and Decatur Counties
P. O. Box 54
Parsons, TN 38363

RE: Compliance Evaluation Inspection
NPDES permit # TN0074390
North Utility District of Benton and Decatur Counties' Water Treatment Plant,
Decatur County, Tennessee

Dear Mr. Adams:

On February 25th, 2015, I conducted a Compliance Evaluation Inspection of the filter backwash facilities at the North Utility District of Benton and Decatur Counties' Water Treatment Plant.

The only significant finding of concern was the lack of preparedness of the facility to sample the discharge of the sedimentation basins. Please be aware that according to the conditions of your permit, the discharge from the basins must be sampled and tested at least once per month, if there is a discharge at any time during the month. A list of the effluent limits that apply to your facility are given in your permit's "Notice of Coverage Fact Sheet", a copy is attached. Please note that all tests shall be performed using methods prescribed in 40 CFR Part 136.

If you have any questions about the inspection or you need any technical assistance, please call me directly at (731) 512-1312, or toll free at (888) 891-8332.

Sincerely,

Bradley E. Smith
TDEC Environmental Consultant I, DWR
1625 Hollywood Drive, Jackson Tn
Office: 731.512.1312

Cc: JEFO



TDEC - Division of Water Resources

ICIS NPDES Facilities Inspection Report

Facility Data

NPDES ID:	TN0074390	Facility Site Name:	North UD of Decatur and Benton Counties	
		Address:	P. O. Box 54, Parsons TN 38363	
Permit Eff. Date:	Jan 1, 2011	Permit Exp Date:	Jun 30, 2015	SIC Code:

Compliance Monitoring Information

Compliance Monitoring Activity Name:	Compliance Evaluation (non-sampling) (CEI)		
	* If Bio Monitoring is selected above, select the method used:		
Compliance Monitoring Activity:	Evaluation		

Compliance Monitoring Dates/Times

Entry Date/Time (mm/dd/yyyy hh:mm):	02/25/2015 8:30	Exit Date/Time (mm/dd/yyyy hh:mm):	02/25/2015 10:00
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Facility Representatives

Michael Hamm, WTP Operator, 731.733.9131	James D. Adams, Manager, 731.847.3838
On-Site Representative(s) Title, Phone Number	Responsible Official(s), Title, Phone Number

Statute and Section Information

Federal Statute:	CWA - Clean Water Act	State Statute:	Tennessee Water Quality Control Act
Programs:	NPDES- Base Program (Limits, Reporting, & Schedule)		

Compliance Monitoring Reason:	Core Program		
Compliance Monitoring Agency Type:	State	Agency Name:	TDEC - DWR
Did EPA assist/ Inspection?	No	Time Physically conducting activity: Days:	1
		Hours:	1.5
Inspection Type:	State	Compliance Monitoring Action Outcome:	No Violation
Lead Agency:	State	Compliance Monitoring Rating Code:	Unrated
If Joint Inspection, what was the purpose of the other party?			

Areas Evaluated During Inspection (Check only those areas evaluated)

<input checked="" type="checkbox"/> Permit	<input checked="" type="checkbox"/> Self - Compliance Program	<input type="checkbox"/> Pretreatment
<input checked="" type="checkbox"/> Records / Records	<input type="checkbox"/> Compliance Schedule	<input type="checkbox"/> Pollution Prevention
<input checked="" type="checkbox"/> Facility Site Review	<input type="checkbox"/> Laboratory	<input type="checkbox"/> Storm Water
<input checked="" type="checkbox"/> Effluent / Receiving Waters	<input checked="" type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> Combined Sewer Overflow
<input checked="" type="checkbox"/> Flow Measurement	<input checked="" type="checkbox"/> Sludge Handling / Disposal	<input type="checkbox"/> Sanitary Sewer Overflow

Compliance Monitoring Summary

Discharges very infrequently.

EPA and State Representatives

	TDEC-DWR / JEFO / 731.512.1312	03/10/2015
Inspector's Signature	Agency / Office / Phone	Date
	TDEC-DWR / JEFO / 731.512.1302	03/10/2015
Manager's Signature	Agency / Office / Phone	Date

(Note: This form can only be printed to an XPS document, then saved for later use.)

TENNESSEE DIVISION OF WATER RESOURCES

COMPLIANCE EVALUATION INSPECTION

GENERAL INFORMATION

Discharger: North UD Benton and Decatur

County: Decatur

Permit Number: TN0074390

Inspection Date: 02/25/15

Facility Contact: Michael Hamm

Phone Number: 731.733.9131

Location:

Receiving Stream: WWC to Cub Creek

Permit effective: 01/24/2011

Expires: 06/30/2015

Inspector's signature:

Date:

Major Deficiencies: Operator not trained on sample collection or part 136 QC requirements.

Basin was discharging. Samples were collected and prepared for shipment to ESC. pH and Cl2 to be done at facility.

CURRENT OPERATIONS:

	Permit	Actual	# of Violations
Flow, influent avg / max	NA	0.042	
effluent avg / max	Report		
Iron eff, max	2.0	BDL	
Al eff, max	0.75	0.26	
TSS, influent, average	NA		
effluent, maximum	40	6.6	
E. coli, avg / max	NA		
Chlorine, max.	0.019	BDL	
Settleable Solids, max	0.5	BDL	
D.O., minimum	1.0		
pH max / min	NA	7.1 / 7.6	
Other: Hadn't discharged in over 2 years until 02/24/15.			
Dates of Operation Reports:			

CERTIFIED OPERATOR:

	Name	Class Required	Class Holds
Plant	Michael Hamm	WTP	Grade 3
Collection			

COLLECTION SYSTEM: N/A

Number of connections:	Miles of line:
Number of lift stations:	
Number of bypass points:	
Signs posted?	
Number of sewer overflows during period?	
Reported?	
Cause of overflow/bypass:	
Ongoing I/I rehab?	Man hours:
Any customers with back pressures?	Why?

PRIMARY TREATMENT:

Bar Screen	N/A	
Comminutor	N/A	
Grit Chamber	N/A	
Disposal	N/A	
Settling tanks	N/A	
Scum removal	N/A	
Sludge removal	N/A	
Flow measurement	N/A	
Influent sampler	N/A	
Weirs level	N/A	
Submerged weirs	N/A	
Gasification	N/A	
Other	N/A	

Satisfactory Unsatisfactory Marginal

SLUDGE DISPOSAL:

Digester	N/A	
Temperature and pH	N/A	
Gas production	N/A	
Heating equipment	N/A	
Sludge pumps	N/A	
Drying beds	N/A	
Vacuum filter	N/A	
Approval	N/A	
Land application	N/A	
Other	S	Landfill

TRICKLING FILTER:

Media growth	N/A	
Media color	N/A	
Flow distribution	N/A	
Recirculation	N/A	
Leaks	N/A	
Other	N/A	

ACTIVATED SLUDGE:

Color	N/A	
Foam	N/A	
Odor	N/A	
Solids concentration	N/A	
Aeration dead spots	N/A	
Other	N/A	

Satisfactory Unsatisfactory Marginal

OXIDATION DITCH

Color	N/A	
Number aerators	N/A	
Spray problem	N/A	
Foam	N/A	
Other comments:	N/A	

FINAL CLARIFIER:

Scum	N/A	
Blanket depth	N/A	
Solids carryover	N/A	
Gasification	N/A	
Weirs	N/A	
Other	N/A	

FINAL FILTER:

Number in operation	S	2 Backwash Filters
Backwash frequency	S	2 per week

CHLORINE CONTACT:

Type chlorinators	N/A
Effective dosage	N/A
Contact time	N/A
Settled solids	N/A
Outfall for contact?	N/A
Dechlorination?	N/A
Other	N/A

Satisfactory Unsatisfactory Marginal

HYDROGRAPH CONTROLLED RELEASE: NA

Days of storage	N/A	
Stream flow measurement	N/A	
Flow release system	N/A	
Date last calibration	N/A	
Other	N/A	

LAGOON:

Influent distribution	N/A	
Number of cells	N/A	
Baffles?	N/A	
Weed control (banks)	N/A	
Aquatic weed control	N/A	
Odors	N/A	
Floating solids	N/A	
Dike erosion	N/A	
Water depth	N/A	
Outlet baffled	N/A	
Aeration equipment in use	N/A	
Uniform aeration	N/A	
Seepage	N/A	
Rodent activity	N/A	
Other	N/A	

SPRAY IRRIGATION:

Ponding	N/A	
Runoff	N/A	
Vegetation	N/A	
Other	N/A	

Satisfactory Unsatisfactory Marginal

EFFLUENT:

Color	S	None
Scum/Solids	S	None
Odor	S	None
Foam	S	None
Flow measurement	S	Estimated
Lift station	N/A	
Outfall length	S	
Outfall sampling	S	
Outfall sign	N/A	
Stream upstream	N/A	
Stream downstream (')	N/A	
Stream downstream (')	N/A	
Other	S	Discharge is river water from in

Satisfactory Unsatisfactory Marginal

