



ICIS NPDES Facilities Inspection Report

Facility Data

NPDES ID: TN0081914 Facility Site Name: Northwest Clay Water Treatment Plant Address: 2950 Moss Arcot Rd., Celina, TN Permit Eff. Date: 9-16-2016 Permit Exp Date: 8-19-2020 SIC Code:

Compliance Monitoring Information

Compliance Monitoring Activity Name: Compliance Sampling Inspection (CSI) \* 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): 03/14/2017/8:30 Exit Date/Time (mm/dd/yyyy hh:mm): 03/14/2017/10:00

Facility Representatives

Jamie Allen, (931)243.3546 On-Site Representative(s) Title, Phone Number Russell Collins, System Manager, (931)258.3489 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-Non-construction Compliance Monitoring Reason: Random Inspection Compliance Monitoring Agency Type: State Agency Name: TDEC - DWR Did EPA assist/ Inspection? No Time Physically conducting activity: Days: Hours: 4.5 Inspection Type: State Compliance Monitoring Action Outcome: No Violation Lead Agency: State Compliance Monitoring Rating Code: Satisfactory If Joint Inspection, what was the purpose of the other party?

Areas Evaluated During Inspection (Check only those areas evaluated)

Table with 3 columns of evaluation areas: Permit, Self-Compliance Program, Pretreatment, Records, Compliance Schedule, Pollution Prevention, Facility Site Review, Laboratory, Storm Water, Effluent/Receiving Waters, Operations & Maintenance, Combined Sewer Overflow, Flow Measurement, Sludge Handling/Disposal, Sanitary Sewer Overflow.

Compliance Monitoring Summary

EPA and State Representatives

Inspector's Signature: David Phillips Agency / Office / Phone: DWR, Cookeville (931)520-6688 Date: 3-21-2017 Manager's Signature: John K. Wall Agency / Office / Phone: DWR - Cookeville 931-520-6688 Date: 3/21/17

**WTP NPDES Compliance Evaluation Inspection**

Date: Northwest Cloy NPDES: TN 0081914

Facility: Water Treatment

Address: 2950 Moss Acot Rd.

City: Celing State: TN Zip: \_\_\_\_\_

Contact: Russell Collins Title: \_\_\_\_\_

Phone 1: \_\_\_\_\_ Phone 2: \_\_\_\_\_

**I. Permit Verification**

Yes	No	Inspection Observation to Verify Information Contained in Permit
✓		1. Current Copy of Permit on-Site?
✓		2. Correct Name and Malling Address
✓		3. Type of Facility
✓		4. Facility Is as Described in Permit
✓		5. State has been notified of new, different increased discharges, If any
✓		6. Number and Location of Discharge Points as Described In Permit
✓		7. Name and Locatlon of Receiving Waters Correct
✓		8. All Discharges Permitted

**II. Recordkeeping and Reporting Evaluation**

Yes	No	Records and Reports Maintained as Required By Permit
✓		1. All Information available, complete, and current
✓		2. Information retained for 3 + years
✓		3. Sampling and Analysis Data are Adequate and Include:

✓		a. Dates, times, location of sampling
✓		b. Initials of Individual Performing Sampling
✓		c. Approved Methods
✓		d. Results of Analyses and Calibration
✓		e. Dates and Time of Analysis
✓		f. Initials of Person Performing Analysis
✓		4. O & M Manual
✓		5. As-built & State Approved Plans and Specifications

Yes	No	DMR Completion Meets the Self-Monitoring Reporting Requirements
✓		1. Analytical Bench Sheets Consistent with the Dates on the DMR
✓		2. All data that is Collected is Summarized on the DMR
✓		3. Number of Exceedences Column is Completed Correctly

### III. Facility Site Review Checklist

Yes	No	Treatment Facility Properly Operated and Maintained
	✓	1. Standby Power or Other Equivalent is Provided
	✓	2. Alarm System for Power and/or Equipment is Provided
	✓	a. During Power Failures, have you experienced any problems
	✓	b. Are there untreated bypass discharges during power failures
✓		3. Sludge Disposal Procedures are Appropriate
✓		a. Disposal of Sludge According to Federal, State, and Local Regulations
		b. Disposal Sites Approved by State
		4. Sufficient Sludge is Disposed of to Maintain Treatment Integrity
		If Not, Why
		5. Preventative Maintenance Schedules Established and Performed
		6. O & M Adequate
		7. Consulting Engineer on Retainer

### IV. Flow Measurement Checklist

Yes	No	Flow Measurements Meeting Requirements and Intent of Permit
✓		1. Outfall Inspection by Operator
		Frequency: <i>Bi-daily</i>
✓		2. Effluent Flow Calculated Using Effluent Flow
		If Not, Explain

### V. Laboratory Quality Assurance Checklist

Yes	No	Laboratory Requirements Meet the Requirements of the Permit
	✓	1. Are Parameters Other Than Those Listed on the Permit Analyzed For
		If so, What:
✓		2. Laboratory Quality Assurance Manual Present
✓		3. EPA Approved Analytical Testing Procedures are Used

	4. Laboratory Instruments Calibrated and Maintained
	5. Quality Control Procedures In Place
	6. Duplicate Samples Analyzed
	Frequency:
	7. Spiked Samples Analyzed
	Frequency:
	8. Commercial Laboratory Used <i>ESC</i>
	Name: <i>Environmental Science</i>
	Address:
	City/State:
	Zipcode:
	Phone:
	Contact:
✓	9. Results of Last DMR/QA Test

**VI. Laboratory Checklist**

	1. Chlorine Residual (EPA Approved Minimum Detection Level, 0.05 mg/l)
	a. Amperometric Titration
	b. Starch Endpoint
✓	c. Colormetric
✓	d. Meters Standardized Before Each Day's Use
✓	e. Samples Analyzed Within 15 Minutes of Sample Collection
✓	f. Samples Analyzed for Total Chlorine, not Free
✓	g. Reagents In date
✓	2. Settleable Solids <i>Taken to Celing Sewage Plant</i>
✓	a. Samples Thoroughly Shaken
✓	b. Cobwebs In Imhoff Cone
✓	c. Correct Procedure (Mix, Cone, 45 Min, Slowly Stir At/Near Top Perimeter of Cone for 15 Min., Read Mark)
✓	3. Total Suspended Solids <i>Sewer Plant</i>
✓	a. Proper Equipment (Vacuum, Filter Holding Mechanism, Drying Oven, etc.)
✓	b. Proper Filters (Gelman A/E or Approved by Standard Methods)
✓	c. Balance checked with Standard Weights
✓	d. Temperature In Drying Oven 103-105°C
✓	4. pH <i>Sewer Plant</i>
✓	a. Equipment Can Be Calibrated at Two Points
✓	b. Bracketing of pH Samples (7 and 4, or 7 and 10)
✓	c. Probe Is Temperature Compensating
✓	d. Probe Stored In Manufacturers Recommended Solution
✓	e. Sample Analyzed Within 15 Min. of Collection
✓	f. Buffers and storage solutions In date
	5. Iron Storage
	a. P, FP, or G
	b. HNO <sub>3</sub> to pH <2
	6. Aluminum Storage

	a. P, FP, or G
	b. HNO <sub>3</sub> to pH <2

\* P is for polyurethane, FP is for fluoropolymer, G is for glass

VII.

Yes	No	Permittee Meets the Requirements of the Permit
✓		1. Sampling Locations are as per Permit
✓		2. Sampling and Analytical Constituents and Parameters are as per Permit
✓		3. Sampling and Analytical Frequency is as per Permit
✓		4. Sampling Method is as per Permit
✓		5. Sample Collection Procedures Adequate :
✓		b. Proper Preservation Technique Used
✓		c. Containers and sample holding times are correct (40CFR 136.3)
✓	✓	6. Are samples collected and analyzed more often than required in Permit