



WaRO

North Carolina Department of Environment and Natural Resources
Division of Water Quality

Beverly Eaves Perdue
Governor

Charles Wakild, P. E.
Director

Dee Freeman
Secretary

October 18, 2012

Town of Maysville
Johnathan Franklin
PO Box 265
Maysville NC 28555

SUBJECT: Town of Maysville
October 9, 2012 Compliance Evaluation Inspection
Permit No: NC0021482
Jones County

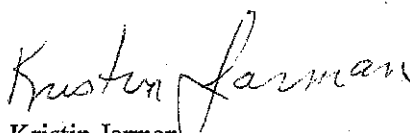
Dear Mr. Franklin:

Enclosed please find a copy of the Compliance Evaluation Inspection conducted on October 9, 2012. The facility was found to be in NonCompliance with permit NC0021482 due to the numerous violations earlier in the time period reviewed. Since the new ORC, Brian Odum, has taken over the plant maintenance and operation has been greatly improved.

The issue of the bypass in the tertiary filter is being reviewed by Construction, Grants and Loans.

Please refer to the enclosed inspection report for additional observations and comments. If you or your staff have any questions, please call me at 252-948-3918.

Sincerely,


Kristin Jarman
Environmental Senior Specialist

cc: Brian Keith Odum, ORC
Washington Files ✓

Operations & Maintenance

Yes No NA NE

Is the plant generally clean with acceptable housekeeping?

Does the facility analyze process control parameters, for ex: MLSS, MCRT, Settleable Solids, pH, DO, Sludge Judge, and other that are applicable?

Comment:

Permit

Yes No NA NE

(If the present permit expires in 6 months or less). Has the permittee submitted a new application?

Is the facility as described in the permit?

Are there any special conditions for the permit?

Is access to the plant site restricted to the general public?

Is the inspector granted access to all areas for inspection?

Comment: The permit expired July 31, 2012. Raleigh is working on the new permit.

Record Keeping

Yes No NA NE

Are records kept and maintained as required by the permit?

Is all required information readily available, complete and current?

Are all records maintained for 3 years (lab. reg. required 5 years)?

Are analytical results consistent with data reported on DMRs?

Is the chain-of-custody complete?

Dates, times and location of sampling

Name of individual performing the sampling

Results of analysis and calibration

Dates of analysis

Name of person performing analyses

Transported COCs

Are DMRs complete: do they include all permit parameters?

Has the facility submitted its annual compliance report to users and DWQ?

(If the facility is = or > 5 MGD permitted flow) Do they operate 24/7 with a certified operator on each shift?

Is the ORC visitation log available and current?

Is the ORC certified at grade equal to or higher than the facility classification?

Is the backup operator certified at one grade less or greater than the facility classification?

Is a copy of the current NPDES permit available on site?

Record Keeping

Yes No NA NE

Facility has copy of previous year's Annual Report on file for review?

Comment: The facility has not completed an Annual Report for 2011. Part II Section E 12. of the facility's permit states that an Annual Report is due no later than 60 days after the end of the calendar or fiscal year, depending upon which annual period is used.

Flow Measurement - Effluent

Yes No NA NE

Is flow meter used for reporting?

Is flow meter calibrated annually?

Is the flow meter operational?

(If units are separated) Does the chart recorder match the flow meter?

Comment: Meter was calibrated on 8-14-2012.

Bar Screens

Yes No NA NE

Type of bar screen

a. Manual

b. Mechanical

Are the bars adequately screening debris?

Is the screen free of excessive debris?

Is disposal of screening in compliance?

Is the unit in good condition?

Comment: Screenings go to the landfill.

Grit Removal

Yes No NA NE

Type of grit removal

a. Manual

b. Mechanical

Is the grit free of excessive organic matter?

Is the grit free of excessive odor?

Is disposal of grit in compliance?

Comment: Grit goes to the landfill.

Secondary Clarifier

Yes No NA NE

Is the clarifier free of black and odorous wastewater?

Is the site free of excessive buildup of solids in center well of circular clarifier?

Secondary Clarifier

Yes No NA NE

- Are weirs level?
- Is the site free of weir blockage?
- Is the site free of evidence of short-circuiting?
- Is scum removal adequate?
- Is the site free of excessive floating sludge?
- Is the drive unit operational?
- Is the return rate acceptable (low turbulence)?
- Is the overflow clear of excessive solids/pin floc?
- Is the sludge blanket level acceptable? (Approximately 1/4 of the sidewall depth)

Comment:

Aeration Basins

Yes No NA NE

- Mode of operation Ext. Air
- Type of aeration system Diffused
- Is the basin free of dead spots?
- Are surface aerators and mixers operational?
- Are the diffusers operational?
- Is the foam the proper color for the treatment process?
- Does the foam cover less than 25% of the basin's surface?
- Is the DO level acceptable?
- Is the DO level acceptable?(1.0 to 3.0 mg/l)

Comment:

Filtration (High Rate Tertiary)

Yes No NA NE

- Type of operation: Down flow
- Is the filter media present?
- Is the filter surface free of clogging?
- Is the filter free of growth?
- Is the air scour operational?
- Is the scouring acceptable?
- Is the clear well free of excessive solids and filter media?

Filtration (High Rate Tertiary)

Yes No NA NE

Comment: The bypass in the mudwell of the tertiary filter has not been resolved. The Town's engineer and CG&L are reviewing the plans and approvals.

Disinfection - UV

Yes No NA NE

- Are extra UV bulbs available on site?
- Are UV bulbs clean?
- Is UV intensity adequate?
- Is transmittance at or above designed level?
- Is there a backup system on site?
- Is effluent clear and free of solids?

Comment:

Standby Power

Yes No NA NE

- Is automatically activated standby power available?
- Is the generator tested by interrupting primary power source?
- Is the generator tested under load?
- Was generator tested & operational during the inspection?
- Do the generator(s) have adequate capacity to operate the entire wastewater site?
- Is there an emergency agreement with a fuel vendor for extended run on back-up power?
- Is the generator fuel level monitored?

Comment: There is no emergency agreement with a fuel vendor.

Laboratory

Yes No NA NE

- Are field parameters performed by certified personnel or laboratory?
- Are all other parameters(excluding field parameters) performed by a certified lab?
- # Is the facility using a contract lab?
- # Is proper temperature set for sample storage (kept at less than or equal to 6.0 degrees Celsius)?
- Incubator (Fecal Coliform) set to 44.5 degrees Celsius +/- 0.2 degrees?
- Incubator (BOD) set to 20.0 degrees Celsius +/- 1.0 degrees?

Comment: Samples are grabs to make a composite. The facility needs a composite sampler.

Influent Sampling

Yes No NA NE

- # Is composite sampling flow proportional?

Influent Sampling

Yes No NA NE

- Is sample collected above side streams?
- Is proper volume collected?
- Is the tubing clean?
- # Is proper temperature set for sample storage (kept at less than or equal to 6.0 degrees Celsius)?
- Is sampling performed according to the permit?

Comment: Samples are grabs to make a composite. The facility needs a composite sampler.

Effluent Sampling

Yes No NA NE

- Is composite sampling flow proportional?
- Is sample collected below all treatment units?
- Is proper volume collected?
- Is the tubing clean?
- # Is proper temperature set for sample storage (kept at less than or equal to 6.0 degrees Celsius)?
- Is the facility sampling performed as required by the permit (frequency, sampling type representative)?

Comment: Samples are grabs to make a composite. The facility needs a composite sampler.

Upstream / Downstream Sampling

Yes No NA NE

- Is the facility sampling performed as required by the permit (frequency, sampling type, and sampling location)?

Comment: