



North Carolina Department of Environment and Natural Resources

Division of Water Quality

Beverly Eaves Perdue
Governor

Coleen H. Sullins
Director

Dee Freeman
Secretary

March 3, 2010

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
RECEIPT # 7006 0810 0002 6050 4975

Richard L. Mann – Vice Chancellor for Finance and Administration
The University of North Carolina at Chapel Hill
302 South Building CB#1000
Chapel Hill, North Carolina 27599

Subject: **Notice of Violation**
NOV-2010-PC-0215
Permit No. WQ0023896
The University of North Carolina at Chapel Hill
Orange County

Dear Mr. Mann,

On February 18, 2010, staff of the NC Division of Water Quality (DWQ), Aquifer Protection Section (APS), received facility non-compliance notification from Larry Daw for the subject permit. On February 24, 2010 DWQ inspected the subject wastewater treatment and disposal system as a follow up to this facility non-compliance reporting. We wish to thank Mr. Larry Daw, and Mr. James Smith, who were present and assisted during then inspection.

The following items specify permit conditions and limitations that were in violation during the time of the inspection. (Also please refer to the attached inspection report):

OPERATION AND MAINTENANCE REQUIREMENTS

1. Condition III.1, which states, "The facilities shall be properly operated and maintained at all times." During the inspection it was noted that the distribution line from the pump house to the spray field had ruptured and approximately 1800 gallons of treated wastewater had been released onto ground surface.

You are required to take any necessary action to correct the above violations and to provide a written response to this Notice by April 5, 2010. Please include in your response all corrective actions already taken and a schedule for completion of any corrective actions not addressed.

Please note that assessment of civil penalties may have already been recommended for violations described within this Notice of Violation. Failure to comply with the State's rules, in the manner and time specified, may result in the assessment of additional civil penalties and/or the use of other enforcement mechanisms available to the State.

Aquifer Protection Section
1628 Mail Service Center, Raleigh, North Carolina 27699-1628
Location: 3800 Barrett Dr., Raleigh, North Carolina 27609
Phone: 919-791-4200 \ FAX: 919-571-4718 \ Customer Service: 1-877-623-6748
Internet: www.ncwaterquality.org

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Failure to comply with conditions in a permit may result in a recommendation of enforcement action, to the Director of the Division of Water Quality who may issue a civil penalty assessment of not more than twenty-five thousand (\$25,000) dollars against any "person" who violates or fails to act in accordance with the terms, conditions, or requirements of a permit under authority of G.S. 143-215.6A.

If you have any questions concerning this Notice, please contact Matthew Fleahman or me at (919) 791-4200.

Sincerely,



S. Jay Zimmerman, L.G.
Environmental Program Supervisor

attachments: Inspection Report

cc: Orange County Environmental Health Department
RRO-APS Files
Aquifer Protection Section Central Files

Compliance Inspection Report

Permit: WQ0023896 **Effective:** 02/12/07 **Expiration:** 09/30/14 **Owner:** UNC At Chapel Hill
SOC: **Effective:** **Expiration:** **Facility:** UNC - Research Resources Facility WWTP
1907 Clover Garden Church Rd
County: Orange
Region: Raleigh
Chapel Hill NC 27516

Contact Person: Larry Daw **Title:** **Phone:** 919-962-6666

Directions to Facility:

Take I-40 west to chapel hill, take Hwy 54 West to carborro. Continue on 54 west past White Cross. Turn left on Morrow Mill go about a mile and veer left on Clover garden church road. Gate to facility is on left about 2 miles down.

System Classifications:

SI,

Primary ORC: James Edward Smith **Certification:** 985237 **Phone:** 919-962-1240

Secondary ORC(s):

On-Site Representative(s):

Related Permits:

Inspection Date: 02/24/2010 **Entry Time:** 09:20 AM **Exit Time:** 11:15 AM

Primary Inspector: Matthew Fleahman **Phone:**

Secondary Inspector(s):

Reason for Inspection: Other

Inspection Type: Compliance Evaluation

Permit Inspection Type: Surface Irrigation

Facility Status: Compliant Not Compliant

Question Areas:

Miscellaneous Questions Treatment

(See attachment summary)

Inspection Summary:

A site inspection was conducted on February 24, 2010 by staff from the Division of Water Quality in response to facility non-compliance reporting. UNC contacted the Division on Thursday February 18, 2010 and indicated that a force main from the pump house to the permitted spray field had ruptured and approximately 1800 gallons of treated wastewater was released to ground surface. During the day of the inspection, the facility was offline and all wastes were being handled under the recently issued pump and haul permit WQ0034607. The compliance inspection also included the start up inspection of the connections authorized in the pump and haul permit to send all wastes into the formerly deemed permitted animal waste system prior to hauling activities to OWASA.

The facility had not dug up force main at the time of the inspection. And no evidence was presented to indicate the cause of the release. Since the system is offline and the spray field will not be operation, the permittee must evaluate the system on site and make any required repairs.

Type

Yes No NA NE

Infiltration System

Reuse (Quality)

Single Family Spray, LR

Activated Sludge Drip, LR

Activated Sludge Spray, HR

Activated Sludge Spray, LR

Single Family Drip

Recycle/Reuse

Lagoon Spray, LR

Treatment

Yes No NA NE

Are Treatment facilities consistent with those outlined in the current permit?

Do all treatment units appear to be operational? (if no, note below.)

Comment: distribution line from pump house to spray field ruptured and waste did not flow to spray field. Approximately 1800 gallons of treated wastewater was released to ground surface.



NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
RALEIGH REGIONAL OFFICE
1628 MAIL SERVICE CENTER
RALEIGH, NORTH CAROLINA 27699-1628

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03/09/2010

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RICHARD L. MANN
VICE CHANCELLOR FOR FINANCE
302 SOUTH BUILDING CB#1000
CHAPEL HILL NC 27599

