January 31, 2013

John Huisman
Environmental Senior Specialist
NC Division of Water Quality
Nonpoint Source Planning Unit
1617 Mail Services Center
Raleigh, NC 27699-1617

RE: Falls Lake Inventory Submittal

Dear Mr. Huisman,

The Town of Wake Forest is pleased to submit the Existing Development Inventory.

Feel free to contact me if you have any questions.

Sincerely,

Scott A. Miles, PE
Assistant Town Engineer
301 S. Brooks Street
Wake Forest, NC 27587
(919) 435-9442
(919) 795-7976 cell
SMiles@wakeforestnc.gov
Falls Lake Inventory Project

In preparation for implementation of the Stage I and Stage II load reduction programs, the Town of Wake Forest has developed and inventory and characterization of load reduction potential to the extent that accounting methods allow in the following areas:

1. **Wastewater collection systems**

   The Town of Wake Forest does not own or operate the wastewater collection system within the town. The City of Raleigh is responsible for the maintenance and operation of this system townwide, including the area within the Falls Lake Watershed. There are 245 wastewater manholes, 54,705 feet of wastewater mains and 11,310 feet of wastewater force mains located within the Falls Lake Watershed with the Town’s corporate limits (see attached map). The Town of Wake Forest works in conjunction with the City of Raleigh to locate any potential sanitary sewer overflows.

2. **Discharging sand filter systems, including availability of or potential for central sewer connection**

   Currently there are no sand filtering systems located in the town’s limits within the Falls Lake Watershed.

3. **Properly functioning & malfunctioning septic systems**

   Wake County maintains and permits all septic systems with the Town of Wake Forest corporate limits. The Town of Wake Forest is currently working with the County to inventory all operating septic systems within the Town limits. As of the submittal to this inventory the county has not responded to requests for information on septic tanks located in the town’s jurisdiction. When the information becomes available, the town of Wake Forest will re-submit the inventory request.

4. **Restoration opportunities in utility corridors**

   The Town of Wake Forest maintains 125,601 feet of power lines within the Falls Lake Watershed. Currently, the Town has not identified any restoration opportunities on any of our utility corridors. In addition, Wake Electrical Cooperative maintains 25,228 feet of power lines.
within the Falls Lake Watershed (see attached map). The Town of Wake Forest works in conjunction with Wake Electric to locate any potential restoration opportunities.

5. **Fertilizer management plans for local government-owned lands**

The Town of Wake Forest does not own any land within the Falls Lake Watershed. Therefore we do not have a fertilizer management plan in place.

6. **Structural stormwater practices, including intended purpose, condition, potential for greater nutrient control**

There are 3 privately maintained detention ponds within the Falls Lake watershed (see attached map). Annual inspection reports are submitted to the town to ensure proper maintenance and operation of these ponds. The ponds are in place to limit nutrients from getting into the waterways as well as serve as detention facilities for post construction peak attenuation.

7. **Wetlands and riparian buffers including potential for restoration opportunities**

The attached drawing shows all the wetlands and riparian buffers within the Falls Lake Watershed and the Town’s jurisdiction. The Town of Wake Forest is always looking for restoration opportunities but would need to rely on funding in order to take advantage of these opportunities. Currently, no specific areas have been targeted for restoration efforts.