

## **ERB Surface Water Quality Monitoring Conditions**

**February 10, 2009**

Applicant will prepare a surface water monitoring program. The monitoring program will designate at-least four (4) sampling sites on two (2) receiving streams, two (2) representing upstream or baseline conditions and two (2) representing downstream or potentially impacted waters downstream from development..

1. The monitoring plan will require **submission to a certified lab required sample bottles to be tested for ammonia, TKN, nitrate + nitrite, total phosphorous analyses and total suspended solids**. Monitoring for any pesticides actually used on the site is also to be included. Include the fertilizer and pesticide information in the Nutrient Management Plan (or similar landscape management plan document).
2. The monitoring sampling rate will be on a quarterly basis and at ambient or base flow conditions. *(Not immediately following a rain event).*
3. All applicable EPA and DWQ methods will be used in the sampling, documenting and testing procedures at the laboratory.
4. The results remain on the site (office of business) for a minimum of 3 years of the sampling date.
5. An annual report of the test results will be submitted to the Chatham County Environmental Resources Division. The report should discuss any recommendations to alter the nutrient management plan and address any other water quality issues as dictated by the lab results over time.
6. Applicant is authorized to end monitoring after a five (5) year period from the date of the building Certificate of Occupancy only if the data indicate no significant increase in the pollutants tested and the nutrient management plan is functioning properly and no other relevant water quality issues need to be addressed based on the data.
7. ERB encourages Applicant to perform a pre-construction on- site assessment by Great Trees of Chatham County (or similar entity) and NC Wildlife Resources Commission to evaluate the existing natural resources and how to best enhance and protect them.
8. ERB encourages Applicant to use native species in any of the landscaping.
9. Regarding the surface water monitoring, if State safe levels of nutrients are exceeded and the contribution by the Belmeade property is 10% of that total level, then steps will be taken to reduce the amount of said pollutant being released.