

POLICY STATEMENT

Concept for Monitoring Stormwater Management At Indian Hill Planned Unit Development

1. The monitoring program should focus on water quality trends and bottom sediment impacts in the Okatie River and the offsite tributary channel which receives the primary stormwater discharges from the Indian Hill PUD (i.e., offsite channel which receives discharges from wet detention basins #1 and #17).

2. Four grab samples of ambient water quality should be collected each year at the following locations:

- ◆ The two Okatie River stations shown in Figure 10-1 of the ATM report;
- ◆ Within the offsite tributary channel which receives discharges from wet detention basins #1 and #17; and
- ◆ At the upstream boundary of the PUD along US Highway 278 (i.e., off-site drainage).

It is recommended that three of the grab samples be collected approximately every two months during the wet season. The samples should be analyzed for the water quality parameters listed on page 52 of the Applied Technology and Management, Inc. ("ATM") report dated September 12, 1996, plus "dissolved oxygen." Baseline water quality samples should be collected and analyzed as soon as possible for subsequent comparison with post-development samples. No development permit shall be issued until such time as the above-referenced samples are collected and analyzed.

3. Annual benthic samples (benthic sediment chemistry and macroinvertebrate diversity sampling pursuant to page 54 of the ATM report) should be collected annually at the two Okatie River stations, the off-site tributary station, and upstream boundary station used for grab samples. Baseline samples shall be collected and analyzed as soon as possible for subsequent comparison with annual post-development samples.

4. Annual monitoring reports summarizing the previous year's monitoring results should be submitted to the County in March of each year.

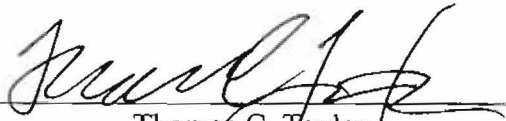
5. If the structural BMPs for the Indian Hill PUD are not adequately maintained or if the BMP/reuse system is not operated as currently proposed, adverse impacts on downstream water quality could occur. The water quality monitoring program is designed to identify adverse trends in water quality so that mitigation measures can be implemented onsite to address any future problems. If, in the opinion of the County Engineer, the annual monitoring results indicate that stormwater discharges from the Indian Hill PUD are adversely impacting water quality in the Okatie River, the County shall require the installation of additional stormwater pollution controls for the

PUD. Since the recommended stormwater management plan already makes maximum use of traditional structural BMPs, any mitigation program will have to involve very expensive facilities


to provide chemical treatment (e.g., alum injection systems) for stormwater discharges. To provide for this contingency, the design of the wet detention basin BMPs (ponds and piping designs) should include the flexibility to install facilities for chemical additions in the future.

Dated this 11th day of November, 1996.

COUNTY COUNCIL OF BEAUFORT COUNTY

By: 
Thomas C. Taylor
Chairman

ATTEST:


Clerk to Council