

DOCUMENT REVIEW FORM

**SITE NAME:** Former Wilmington Fertilizer Company Site  
New Hanover Co.

**DOCUMENT:** January 2007 Groundwater and Surface Water Monitoring Report dated April 6, 2007

**RECEIVED:** 04/12/07

**CONSULTANT:** RETEC North Carolina, Inc.

**REVIEWED BY:** Ginny Henderson on 04/13/07

**COMMENTS:**

Report presents summary of monitoring activities for the January 2007 sampling event. The most recent sampling event prior to Jan 2007 was March 2005. They are supposed to be on an annual sampling schedule. Chloride, sulfate and nitrate are the contaminants of concern.

**GENERAL:**

The monitoring schedule included the sampling of four wells. No groundwater flow data was included in the report. Chloride concentrations exceeded 2L in one of the sampled wells. Sulfate exceeded its 2L standard in two wells. Nitrate concentrations exceeded 2L in two of the sampled wells. Concentrations appear to have leveled out over the past few years. Smith Creek is also sampled as part of the monitoring program. The downstream concentrations were slightly higher than the upstream concentrations, though given the low concentrations in MW-7R which is the monitoring well closest to the downstream sampling location, it is doubtful that that is related to the onsite contamination.

**NOTES ON REPORT CONTENTS:****RECOMMENDATIONS:**

Consultant: They recommend reducing the frequency to biennial sampling, removing the creek and MW-7R and MW-8B from the sampling program.

DWQ: Continue annual monitoring, as they have not actually been doing so since 2000. MW-7R and MW-8B should not be eliminated since neither have had four sampling events with all constituents below the 2L standards. Keep sampling stream. Include groundwater level measurements and a groundwater flow map in future reports.