

January 22, 2014

Ms. Mary Beth Koza
UNC – Environment, Health & Safety
1120 Estes Drive Extension CB# 1650
Chapel Hill, NC 27599-1650

RE: UNC-Chapel Hill Bingham Facility
Required Site Plan Setbacks

Dear Ms. Koza:

This letter is written to explain the NCDENR requirements in connection with the setbacks as shown on the current project site plan. The requirements for the site plan are specified in accordance with 15A NCAC 02T .0504, paragraph (d). The following is a copy of the NCDENR rules regarding the project site plan:

(d) Site plans. If required by G.S. 89C, a professional land surveyor shall provide location information on boundaries and physical features not under the purview of other licensed professions. Site plans or maps shall be provided to the Division by the applicant depicting the location, orientation and relationship of facility components including: [Note: The North Carolina Board of Examiners for Engineers and Surveyors has determined, via letter dated December 1, 2005, that locating boundaries and physical features, not under the purview of other licensed professions, on maps pursuant to this Paragraph constitutes practicing surveying under G.S. 89C.]

(1) a scaled map of the site, with topographic contour intervals not exceeding 10 feet or 25 percent of total site relief and showing all facility-related structures and fences within the treatment, storage and disposal areas, and soil mapping units shown on all disposal sites;

(2) the location of all wells (including usage and construction details if available), streams (ephemeral, intermittent, and perennial), springs, lakes, ponds, and other surface drainage features within 500 feet of all waste treatment, storage, and disposal site(s) and delineation of the review and compliance boundaries;

(3) setbacks as required by Rule .0506 of this Section; and

(4) site property boundaries within 500 feet of all waste treatment, storage, and disposal site(s).

In accordance with these rules, applicable setbacks as required by Rule .0506 are shown on the site plan. Also, property boundaries within 500 feet of all waste treatment, storage and disposal sites are shown on the site plan. The UNC-CH site plan includes the required 500 foot setback from the wastewater irrigation sites. There are no other specific requirements in the rules regarding this 500 foot setback. There are no restrictions, easement requirements, or other requirements regarding this setback and the property contained within this boundary line. The design of the drip irrigation system on the property of UNC-CH Bingham is in compliance with all required NCDENR setbacks as specified in Rules .0504 and .0506. In addition, the site plan has been approved by NCDENR as part of the permit.

Please let me know if you have any questions.

Thanks,

McKim & Creed, Inc.



Chuck Riley, Jr. PE
Senior Project Engineer