

8/28/12

To: Cuddy & Feder
445 Hamilton Avenue 14th Floor
White Plains NY 10601

From: Robert and Cathleen Alex
435 Bassett Road
Watertown, CT. 06795

Re: Docket 422
AT&T New Cingular Wireless/North Atlantic Tower Application @ 655 Bassett Road, Watertown CT

To the attention of applicants AT&T and North Atlantic Towers:

Please respond to the following interrogatories regarding the proposed D&M Plan relating to the grounding of the facility for lightning strikes. These interrogatories are derived from the D&M Plan, the Geotechnical Report, and the previously referenced document 2005 R56 Motorola "Standards and Guidelines for Communications Sites".

The Geotechnical Report lists the depth to bedrock at 3'6". The R56 Manual Chapter 4 External Grounding (Earthing) specifies Ground Rod types and installation methods (4.4.1.2.2) and suggestions for Shallow Topsoil Environments (4.11.6).

Interrogatories:

- 1) Will the ground rods be vertical or horizontal?
- 2) Will standard or electrolytic rods be used?
- 3) What is the depth to the frost line?
- 4) Will a grounding electrode encasement material be used? If so, specify.
- 5) Will the ground ring wire meet the minimum soil depth requirement?
- 6) Will the tower itself be connected to reinforcing rods (mat) in the foundation and is that rerod (mat) pinned to existing bedrock?
- 7) Is the soil resistivity, especially in the summer months, low enough to warrant the use of concrete encased electrodes?
- 8) Will a resistance goal of 5 ohms be met?
- 9) How often will resistance testing be performed? After each direct strike?
- 10) Was any iron noted in the bedrock borings?

A properly grounded and maintained facility for lightning strikes is critical for the safety of our visiting patrons, adjoining neighbors, ourselves and our personal property.

Robert and Cathleen Alex

Cc:
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CT Siting Council, 10 Franklin Square, New Britain CT 06051