



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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December 23, 2009

Julie D. Kohler, Esq.
Monte E. Frank, Esq.
Jesse A. Langer, Esq.
Cohen and Wolf, P.C.
1115 Broad Street
Bridgeport, CT 06604

RE: **DOCKET NO. 391** - T-Mobile Northeast, LLC application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility located 232 Shore Drive, Old Lyme, Connecticut.

Dear Attorneys Kohler, Frank, and Langer:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than January 6, 2009. To help expedite the Council's review, please file individual responses as soon as they are available.

Please forward an original and 15 copies to this office. In accordance with the State Solid Waste Management Plan, the Council is requesting that all filings be submitted on recyclable paper, primarily regular weight white office paper. Please avoid using heavy stock paper, colored paper, and metal or plastic binders and separators. A list of parties and intervenors dated December 23, 2009, is enclosed. Fewer copies of bulk material may be provided as appropriate.

Yours very truly,

A handwritten signature in black ink, appearing to read "S. Derek Phelps".

S. Derek Phelps
Executive Director

SDP/MP

c: Council Members
Parties and Intervenors

Docket No. 391
Pre-Hearing Questions
Set One

1. What is T-Mobile Northeast, LLC's (T-Mobile) existing signal strength in the area that would be covered by the proposed facility?
2. What is the minimum signal level T-Mobile would consider acceptable for service in the vicinity of the proposed site?
3. What is the minimum signal level that T-Mobile requires in order to provide adequate in-vehicle coverage? What is the minimum signal level that T-Mobile requires in order to provide adequate in-building coverage?
4. When was the search ring first initiated for a tower in this area? What is the size and shape of the search ring? Where is the center of the search ring?
5. What were the results of T-Mobile's notice to abutting property owners? Were the certificates of service returned from all those to whom notice was sent? If not, whose certificate was not returned? What other attempts were made to notify these persons? Provide a copy of all returned certificates of service.
6. Describe the land uses surrounding the proposed tower site.
7. Has T-Mobile considered alternative technologies such as repeaters and/or microcells to serve the proposed coverage area? Were either found to be viable alternatives to a proposed tower?
8. Does the total construction costs include antennas and radio equipment? Provide the estimated costs of the antennas and the estimated costs of the radio equipment.
9. Provide the distance and direction from the proposed site to the existing (or proposed) sites that the proposed tower would interact with. Also include the addresses, tower heights, antenna heights and tower types (e.g. monopole).
10. Are the standoff cross-arm antenna mounts essentially the same or similar to T-arm mounts? Explain.
11. Would flush-mounted antennas provide the required coverage? Would such configuration result in reduced coverage and/or necessitate greater antenna height? Explain.
12. Would T-Mobile only provide PCS service? Explain.
13. Are the proposed coverage plots included in T-Mobile's Application based on an antenna centerline height of 97 feet above ground level (agl)? The tower elevation drawing depicts the antennas centered at 100 feet agl. Would this possible three-foot discrepancy have a material effect on the coverage results? If yes, provide updated coverage plots based on the correct antenna height.

14. Provide coverage plots using the same scale provided assuming the tower is ten feet shorter than proposed and twenty feet shorter than proposed, respectively.
15. Provide the individual lengths of the coverage gaps (in miles) for the roads that T-Mobile seeks to provide coverage to. Describe criteria and parameters in determining the lengths of the road.
16. Provide the individual lengths of coverage (in miles) that would be provided by the proposed facility on the roads that T-Mobile seeks to provide coverage to. Provide similar data assuming the tower is ten feet shorter and twenty feet shorter, respectively.
17. Provide the areas (in square miles) that would be covered by this facility assuming that the tower is the proposed height, ten feet shorter, and twenty feet shorter, respectively.
18. Is T-Mobile familiar with the proposed SBA Towers II LLC facility at 14 Cross Lane, Old Lyme? If T-Mobile co-located at this facility, could it provide adequate coverage to the target area that T-Mobile seeks to cover via the 232 Shore Road tower site? Explain.
19. Calculate the amounts of cut and fill required to develop the proposed tower site and access drive.
20. Would the proposed chain-link fence surrounding the compound have barbed wire?
21. Would T-Mobile have backup power at its tower site? How would backup power be provided, e.g. battery, diesel generator, etc.? Has T-Mobile considered using a fuel cell as a backup power source for the proposed facility? Explain.