



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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Petition No. 308
Springwich Cellular Limited Partnership
Amendment to Petition No. 308
Oxford Tower
June 6, 1994

On May 17, 1994, Springwich Cellular Limited Partnership (Springwich), submitted a request for an amendment to the Connecticut Siting Council's (Council) Petition No. 308, approved by the Council on June 29, 1993. This petition relates to the shared use of a new, 80-foot steel lattice tower, replacing an existing, believed to be 80-foot steel lattice tower owned by the Department of Environmental Protection (DEP) off Shelton Road in Oxford, Connecticut.

As approved, Springwich would dismantle the existing 80-foot tower, erect a new 80-foot tower, transfer the existing antennas to the new tower, mount its cellular antennas, construct a new equipment building, and dismantle the existing tower. However, Springwich discovered upon erection of the new tower, the existing structure was 94 feet above ground level or 14 feet higher than the new Springwich tower. Springwich now proposes to add 14 feet to the new tower thereby making it the same height as the existing DEP tower.

By adding the extra section to the top of the new tower, DEP's microwave path to Mohawk Mountain would be maintained without blockage. Although Springwich originally found cellular coverage adequate with antennas mounted at 78 feet, Springwich would obtain improved cellular coverage with antennas mounted at the 92-foot level. In addition, by increasing the mounting heights of three antennas, the power densities would be decreased thereby changing the total power density for the site, as calculated at 20 feet from the base of the tower, to approximately 37.38 percent of the 1992 ANSI standard for radio frequency electromagnetic fields in uncontrolled environments.

Construction costs would be slightly increased than originally planned due to the 14-foot extension and some additional support bracing.

Springwich requests the Council to amend Petition No. 308 to allow the 14-foot extension to the new tower, making it the same height as the tower it would replace.