

DOCUMENT NO. 6 (A)

MODEL ANTENNA ORDINANCE: BURBANK, ILLINOIS

BURBANK

A. Section Amateur Radio/Citizens Radio Antennas-definitions.

The following definitions shall apply in the interpretation and enforcement of this division of Chapter 4, Buildings and Structures:

- (1) "Antenna" shall mean the arrangement of wires or metal rods used in the sending and receiving of electromagnetic waves.
- (2) "Antenna Support Structure" shall mean any structure, mast, pole, tripod, or tower utilized for the purpose of supporting an antenna or antennas for the purpose of transmission or reception of electromagnetic waves by federally licensed amateur radio or citizens band radio operators.
- (3) "Antenna Height" shall mean the overall vertical length of the antenna support structure above grade, or if such system is located on a building, then the overall vertical length includes the height of the building upon which the structure is mounted.

B. Section Permit required.

It shall be unlawful for any person to install, construct or increase the height of any antenna support structure without first obtaining a building permit, except that no permit shall be required if the height of the antenna support structure (excluding the height of any building to which the antenna support structure is attached) is less than 12 feet.

C. Section Application.

Applications for a building permit required in Section Permit required shall be made upon such forms requested by the city and shall have attached thereto the following items:

1. A location plan for the antenna support structure.
2. Manufacturer's specifications for the antenna support structure and details of footings, guys and braces.
3. A copy of the applicant's homeowner or renters insurance policy.
4. A permit fee not to exceed \$15.00 for ground mounted or \$10.00 for roof mounted antenna support structures.

D. Section Height limitation.

No antenna support structure shall be installed, constructed, or increased to exceed 65 feet above grade in single-family residential zoning districts or 30 feet above the height limitation allowed if located in a multi-family residential or commercial zoning district.

E. Section Construction requirements.

(a) Materials. Antenna support structures must be constructed from one of the following materials: Aluminum, galvanized steel, or equally weather resistant steel. All ground mounted antenna support structures exceeding 35 feet in height shall be mounted in concrete, and erected in such a manner so as to be able to withstand a minimum wind velocity of 80 M.P.H. (impact pressure of 25 pounds per square foot).

(b) The thickness of steel used in antenna support structures shall be not less than one-eighth inch when galvanized. If not galvanized, steel shall be not less than one-fourth inch in thickness when used structurally. Where antenna support structures are constructed of aluminum tubing, the minimum wall thickness of the tubing shall be not less than one-sixteenth inch and such tubing, if steel, shall be galvanized on the exterior.

(c) Electrical Requirements. All antenna support structures, whether ground or roof mounted, shall be grounded. Grounding shall be in accordance with the provisions of the Chicago Electrical Code, and for ground mounted towers, shall consist of a minimum of one ground rod a minimum of five-eighths inch in diameter and eight feet in length. The ground conductor shall be a minimum of #10 GA copper; however, in all instances, construction shall follow the manufacturer's requirements for grounding.

F. Section Restrictions.

(a) No antenna shall protrude in any manner upon the adjoining property without the written permission of the adjoining property owner; and no antenna shall protrude upon the public way.

(b) Ground mounted antenna support structures may be erected only in a rear or side yard.

G. Section _____. Exemptions.

This ordinance shall not affect any existing antenna support structure, utilized by federally licensed amateur radio or federally authorized citizens radio service stations, which has been constructed and which is in place prior to the date of the passage of this ordinance; provided however, that such antenna support structures must comply with the grounding requirements of Section _____ [Construction requirements]; and further provided that owners of existing antenna support structures submit to the Building Department, within 90 days of the date of this Ordinance, the documentation required by Section _____ [Application], less the required fee.