



**UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION**



**ANTENNA STRUCTURE REGISTRATION**

Part 17 of the FCC rules requires you to: (1) immediately provide a copy of this registration to each FCC licensed tenant of your structure (although not required, you may want to use Certified Mail to obtain proof of receipt); and, (2) display the Registration Number in a conspicuous place visible near the base of the structure (unless a government entity objects, in writing, to the display near a historic landmark).

<b>Owner:</b>  MUSCATINE COMMUNICATIONS INC JOHN A SCHWANDKE 3218 MULBERRY AVE MUSCATINE IA 52761	<b>Registration Number:</b>  1017248
	<b>Issue Date:</b>  05/01/97
<b>Location of Antenna Structure:</b>  3218 MULBERRY AVE MUSCATINE IA	<b>Ground Elevation:</b> 206.0 meters
	<b>Overall Height Above Ground (AGL):</b> 108.0 meters
<b>Latitude</b> <b>Longitude</b>  N41-26-34                      W091-04-33                      NAD 27	<b>Overall Height Above Mean Sea Level (AMSL):</b> 314.0 meters
<b>Painting and Lighting Requirements:</b> FCC Paragraphs 1, 3, 12, 21 attached	
<b>Special Conditions:</b>	

OBSTRUCTION MARKING AND LIGHTING SPECIFICATIONS FOR ANTENNA STRUCTURES

It is to be expressly understood that the issuance of the below specifications is in no way to be considered as precluding additional or modified markings or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

- 1 Antenna structures shall be painted throughout their height with alternate bands of aviation surface orange and white, terminating with aviation surface orange bands at both top and bottom. The width of the bands shall be equal and approximately one-seventh the height of the structure, provided however, that the bands shall not be more than 100 feet nor less than 1 1/2 feet in width. All towers shall be cleaned or repainted as often as necessary to maintain good visibility.
- 3 There shall be installed at the top of the structure one 300 m/m electric code beacon equipped with two 620- or 700-watt lamps (PS-40, Code Beacon type), both lamps to burn simultaneously, and equipped with aviation red color filters. Where a rod or other construction of not more than 20 feet in height and incapable of supporting this beacon is mounted on top of the structure and it is determined that this additional construction does not permit unobstructed visibility of the code beacon from aircraft at any normal angle of approach, there shall be installed two such beacons positioned so as to insure unobstructed visibility of at least one of the beacons from aircraft at any normal angle of approach. The beacons shall be equipped with a flashing mechanism producing not more than 40 flashes per minute nor less than 12 flashes per minute with a period of darkness equal to approximately one-half of the luminous period.
- 12 On levels at approximately two-thirds and one-third of the over-all height of the tower, there shall be installed at least two 116- or 125-watt lamps (A21/TS) enclosed in aviation red obstruction light globes. Each light shall be mounted so as to insure unobstructed visibility of at least one light at each level from aircraft at any normal angle of approach.
- 21 All lights shall burn continuously or shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky light intensity level of about 35 foot candles and turned off at a north sky light intensity level of about 58 foot candles.