

FEDERAL COMMUNICATIONS COMMISSION

FM BROADCAST STATION LICENSE



Official Mailing Address:

SUSQUEHANNA RADIO CO.
140 EAST MARKET STREET
YORK, PA 17401

Authorizing Official:

Deborah Price

Deborah Price
Supr Applications Examiner, FM Branch
Audio Services Division
Mass Media Bureau

Grant Date: May 19, 1987

Call sign: WARM-FM

This license expires 3:00 am.
local time: August 01, 1991

License File No.: BLH-860519KG

This license covers Permit No.: 831216CZ

This authorization re-issued to reflect a call sign change from
WSBA-FM to WARM-FM effective 3/01/88.

Subject to the provisions of the Communications Act of 1934,
subsequent acts and treaties, and all regulations heretofore or
hereafter made by this Commission, and further subject to the
conditions set forth in this license, the licensee is hereby
authorized to use and operate the radio transmitting apparatus herein
described.

This license is issued on the licensee's representation that the
statements contained in licensee's application are true and that the
undertakings therein contained so far as they are consistent herewith,
will be carried out in good faith. The licensee shall, during the term
of this license, render such broadcasting service as will serve the
public interest, convenience, or necessity to the full extent of the
privileges herein conferred.

This license shall not vest in the licensee any right to operate the
station nor any right in the use of the frequency designated in the
license beyond the term hereof, nor in any other manner than
authorized herein. Neither the license nor the right granted hereunder
shall be assigned or otherwise transferred in violation of the
Communications Act of 1934. This license is subject to the right of
use or control by the Government of the United States conferred by
Section 606 of the Communications Act of 1934.

Name of Licensee:

SUSQUEHANNA RADIO CO.

Station Location:

PA-YORK

Frequency (MHz): 103.3

Channel: 277

Class: B

Hours of Operation: Unlimited

Main Studio Address:

PA-SOUTHWEST SIDE OF BURG LANE HELLAM YORK COUNTY, PA

Transmitter location (address or description):

1.6 MILES N.N.E. OF HELLAM, PENNSYLVANNIA

Remote control point address:

PA-SOUTHWEST SIDE OF BURG LANE HELLAM YORK COUNTY, PA

Transmitter: Type accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Transmitter output power (kW): 11.0

Antenna type: (directional or non-directional): Non-directional

Desc: E.R.I. #G5CPS2

Antenna coordinates: North Latitude: 40 01 38.0
West Longitude: 76 36 0.0

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the horizontal plane (kW) :	6.4	6.4
Height of radiation center above ground (meters) :	259.0	259.0
Height of radiation center above mean sea level (meters) :	533.0	533.0

Height of radiation center above
average terrain (meters) : 398.0 398.0

Overall height of antenna structure above ground (including obstruction
lighting, if any) : 289.0 meters

Obstruction marking and lighting specifications for antenna
structure:

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

Paragraph A, FCC Form 715-A (Nov. 1983):

There shall be installed at the top of the antenna structure a white
capacitor discharge omnidirectional light which conforms to FAA/DOD
Specification L-856, High Intensity Obstruction Lighting Systems. This
light shall be mounted on the highest point of the structure. If the
antenna or other appurtenance at its highest point is incapable of
supporting the omnidirectional light, one or more such lights shall be
installed on a suitable adjacent support with the lights mounted not
more than 20 feet below the tip of the appurtenance. The lights shall
be positioned so as to permit unobstructed viewing of at least one
light from aircraft at any normal angle of approach. The light
unit(s) shall emit a beam with a peak intensity around its periphery
of approximately 20,000 candelas during daytime and twilight, and
approximately 4,000 candelas at night.

Paragraph B, FCC Form 715-A (Nov. 1983):

There shall be installed at the top of the skeletal or other main
support structure three or more high intensity light units which con-
form to FAA/DOD Specification L-856 High Intensity Obstruction
Lighting Systems. The complement of units shall emit a white high
intensity light and produce an effective intensity of not less than
200,000 candelas (daytime) uniformly about the antenna structure in
the horizontal plane. The effective intensity shall be reduced
to approximately 20,000 candelas at twilight, and to approximately
4,000 candelas at night. The light units shall be mounted in a manner
to ensure unobstructed viewing from aircraft at any normal angle of
approach, so that the effective intensity of the full beam is not im-
paired by any structural member of the skeletal framework. The units
will normally be adjusted so that the center of the beam is in the
horizontal plane.

Paragraph D, FCC Form 715-A (Nov. 1983):

At the approximate one-third and two-thirds levels of the skeletal tower there shall be installed three or more high intensity light units which conform to FAA/DOD Specification L-856, High Intensity Obstruction Lighting Systems. The complement of units shall emit a white high intensity light and produce an effective intensity of not less than 200,000 candelas (daytime) uniformly about the antenna structure in the horizontal plane. The effective intensity shall be reduced to approximately 20,000 candelas at twilight, and to approximately 4,000 candelas at night. The light units shall be mounted in a manner to ensure unobstructed viewing from aircraft at any normal angle of approach, so that the effective intensity of the full beam is not impaired by any structural member of the skeletal framework. The normal angular adjustment of the beam centers above the horizontal shall be two degrees at the one-third level and one degree at the two-thirds level.

Paragraph H, FCC Form 715-A (Nov. 1983):

All lights shall be synchronized to flash simultaneously at 40 pulses per minute. The light system shall be equipped with a light sensitive control device which shall face the north sky and cause the intensity steps to change automatically when the north sky illumination on a vertical surface is as follows:

1. Day to Twilight: Shall not occur before the illumination drops to 60 footcandles, but shall occur before it drops to 30 footcandles.
2. Twilight to Night: Shall not occur before the illumination drops to 5 footcandles, but shall occur before it drops to 2 footcandles.
3. Night to Day: The intensity changes listed in 1. and 2. above shall be reversed in transitioning from the night to day modes.

Paragraph I, FCC Form 715-A (Nov. 1983):

During construction of an antenna structure for which high intensity lighting is required, at least two lights shall be installed at the uppermost part of the structure. In addition, at each level where permanent obstruction lighting will be required, two similar lights shall be installed. Each temporary light shall consist of at least 1,500 candelas (peak effective intensity), synchronized to flash simultaneously at 40 pulses per minute. Temporary lights shall be operated continuously, except for periods of actual construction, until the permanent obstruction lights have been installed and placed in operation. Lights shall be positioned to ensure unobstructed viewing from aircraft at any normal angle of approach. If practical, the permanent obstruction lights may be installed at each level as the structure progresses. NOTE: If battery operated, the batteries should be replaced or recharged at regular intervals to preclude failure during operation.

Paragraph 3.0, FCC Form 715 (March 1978):

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.

Paragraph 7.0, FCC Form 715 (March 1978):

On levels at approximately fourth-sevenths and two-sevenths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

Paragraph 16.0, FCC Form 715 (March 1978):

On levels at approximately six-sevenths, five-sevenths, three-sevenths and one-seventh of the over-all height of the tower at least one 116- or 125-watt lamp (A21/TS) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

Paragraph 21.0, FCC Form 715 (March 1978):

All lighting 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.

Paragraph 22.0, FCC Form 715 (March 1978):

During construction of an antenna structure, for which obstruction lighting is required, at least two 116- or 125-watt lamps (A21/TS) enclosed in aviation red obstruction light globes, shall be installed at the uppermost point of the structure. In addition, as the height of the structure exceeds each level at which permanent obstruction lights will be required, two similar lights shall be displayed nightly from sunset to sunrise until the permanent obstruction lights have been installed and placed in operation, and shall be positioned so as to insure unobstructed visibility of at least one of the lights at any normal angle of approach. In lieu of the above temporary warning lights, the permanent obstruction lighting fixtures may be installed and operated at each required level as each such level is exceeded in height during construction.

OBSTRUCTION MARKINGS IN ACCORDANCE WITH THE PRECEDING PARAGRAPHS AS FOLLOWS:

PARAGRAPHS A,B,D,H,I OF FCC FORM 715A OR
PARAGRAPHS 3,7,16,21,22 OF FCC FORM 715 (NIGHT) AND
PARAGRAPHS A,B,D,H,I OF FCC FORM 715A(DAY)