

SELLMEYER ENGINEERING
BROADCAST & COMMUNICATIONS CONSULTING ENGINEERS
2 Pecan Grove Circle, Lucas, Texas 75002
jack@sellmeyereng.com
MEMBER AFCCE

ENGINEERING STATEMENT IN SUPPORT OF
REQUEST FOR SPECIAL TEMPORARY AUTHORITY
RADIO STATION WKY
930 KHZ, 5.0 KW, DA-N, UNL
OKLAHOMA CITY, OKLAHOMA

This Engineering Statement supports the request by Radio License Holding CBC, LLC ("CBC"), licensee of Radio Station WKY, Oklahoma City, Oklahoma for Special Temporary Authority to operate station WKY using a non-directional antenna in accordance with Section 73.1635(a)(5) of the Rules. Non directional operation will be by use of the presently authorized non directional antenna or the presently installed emergency non-directional antenna using the southwest tower of the WKY directional antenna system as required with an input power of approximately 1000 watts. The reasons for this request are set forth below.

The WKY transmitter plant is presently located in leased space in the former WKY office and studio building. The lease has expired and WKY must vacate the building not later than January 31, 2011. Space has been leased in original location of the transmission equipment in the adjacent transmitter building formerly used by WKY AM and Television now owned by KFOR-TV.

During planning for this relocation it was determined that the Franklin antenna which is used for the non-directional operation of the station and as an element in the three element nighttime directional antenna system has developed structural problems which may require dismantling of the tower. Attention has been directed to alternative operation for the past several months. Until the status of the tower is determined, planning for the permanent operation of the station is on hold. An inspection by a qualified Structural Engineer is scheduled for the week of January 23, 2011. In the meantime the transmitter plant will be relocated using a one kilowatt transmitter feeding the Franklin antenna except for the period during the inspection and/or repair of the tower, when the alternate non-directional antenna will be used. Such operation at this power level is permissible under Section 73.1680 of the Rules.

It is anticipated that a period of at least 180 days will be required to either correct the problems with the Franklin antenna and restore the directional nighttime operation under the present license or to prepare an application for an alternate directional or non-directional nighttime antenna system for the station.

For the reasons stated above it is respectfully requested that CBC be granted Special Temporary Authority to operate station WKY in the non-directional mode with power input limited to 1000 watts for a period of 180 days.

The requested STA operation is expected to begin on or about January 28, 2011.

The statements made in this request are true and correct to the best of my knowledge and belief. I have been actively involved in the preliminary planning and have prepared studies for several alternatives to the present operation should one of them be required.


J. S. Sellmeyer P. E.



January 21, 2011