

Request for Special Temporary Authority

KJSR(FM), Tulsa, OK (FCC ID # 9801)
KRAV-FM, Tulsa, OK (FCC ID# 65764)
KWEN(FM), Tulsa, OK (FCC ID# 48722)

Cox Radio, LLC (“CMG Tulsa”) is the licensee of the above-referenced radio stations (the “Stations”) in the Tulsa, Oklahoma market. Since February 8, 2021, the Stations’ broadcast operations have been impacted negatively by the extreme cold temperatures and ice conditions in the Midwest and the Stations have been operating at reduced power levels. The current status of the Stations is:

KJSR(FM), Tulsa, OK (FCC ID # 9801), is operating at 50% of its licensed power. KJSR first dropped below the 90% TPO requirement in the afternoon of February 9, 2021, during a freezing rain/sleet/snow weather event, that coated the station’s tower and antenna with a layer of ice. This weather pattern, with record cold temperatures and significant snowfall, affected much of the Midwest for a two-week period. On February 15, 2021, KJSR(FM)’s transmission system went into alarm, and automated systems further reduced transmitter power. The accumulated ice did not begin to melt until February 18, 2021 and was not fully clear of the tower until February 20, 2021. At that time, station engineers began to assess the condition of the transmission system. These assessments determined that a visual inspection of the station’s transmission line and antenna was necessary, and the services of Wallace Tower Specialists of Franklin, Arkansas, were retained. The Wallace inspection crew ascended the tower on February 25, 2021 and found several areas of physical damage to the station’s transmission line, due to impacts of ice falling from the tower structure. To electrically characterize these damaged areas, and search for other non-visible issues, CMG Tulsa retained the services of RF Solutions to perform a Distance to Fault and VSWR sweep of the antenna. Tim Diehl of RF Solutions performed these tests on-site March 1, 2021. The test results corroborated the findings of Wallace’s team, and identified another potential problem point.

The CMG Tulsa engineering team, in discussion with Wallace and RF Solutions, have determined that approximately 35 feet of transmission line near the station’s antenna will need to be removed and replaced. To that end, CMG Tulsa has placed an order with a parts supplier on March 4, 2021 to acquire the replacement transmission line and associated parts, with anticipated delivery to the site of 7-10 working days. Upon arrival of parts, Wallace will return a crew to the site to effect repairs, expected to take an additional 3-4 working days. With this in mind, CMG Tulsa will require an STA to maintain operation at 50% power until the Wallace crew is ready to commence repair work. During the repairs, CMG Tulsa will operate KJSR(FM) using its’ licensed auxiliary facility, co-located on the same tower. Appropriate RF safety procedures will be undertaken to protect the Wallace crew and others involved in the repair during operation of the auxiliary facility, including termination of station transmissions as necessary. At this time, CMG Tulsa hopes to resume full-power broadcasting on or before March 31, 2021.

KRAV-FM, Tulsa, OK (FCC ID# 65764) and **KWEN(FM)**, Tulsa, OK (FCC ID# 48722), are operating at 25% of their licensed power. Both stations first dropped below the 90% TPO requirement during the afternoon of February 8, 2021, during a freezing rain/sleet/snow weather event, that coated the stations’ tower and antennas with a layer of ice. The ice negatively impacted the performance of the combined antenna system at the site, necessitating significant power reductions. This weather pattern, with record cold

temperatures and significant snowfall, affected much of the Midwest for a two-week period. On February 15, 2021, the station's transmitter site experienced a utility power failure. The stations' onsite backup power generator started and allowed the stations to resume broadcasting, but then failed 15 minutes later due to a significant coolant leak. Station engineers and generator technicians rapidly converged on the site and began working to restore the stations' operation. Utility power was restored to the site 50 minutes later, however, battery backup power to several critical systems had run out during the outage. One of the systems affected was the RF power monitoring system that measures the performance of the combined antenna system supporting all the stations at the site. While the stations all resumed low power operation upon the restoration of electrical power, the failure of this power monitoring system effectively limited the ability of the stations to increase power beyond their current low power operation in a manner that would prevent significant damage to the stations' combined antenna. CMG Tulsa attempted to repair the failed components of the monitoring system but discovered during the repair that several components were damaged such, that the entire system needs to be returned to the manufacturer for repair and re-calibration. Upon contacting the equipment manufacturer and learning of the lead time for repair, and after evaluating the age of the system and improvements in technology, CMG Tulsa elected to order a new monitoring system from a different manufacturer. An order for the new system has been placed.

While awaiting the arrival of the new system, station engineers worked to remove the damaged monitoring system components, install a standby directional coupler/line section to make relative measurements of antenna performance, and restore full power operation. As part of this process, CMG Tulsa retained the services of RF Solutions, to perform an electrical test and sweep of the antenna system to ensure no damage had occurred to the antenna system during the weather event. These tests were carried out by Tim Diehl of RF Solutions on March 2, 2021. Unfortunately, the tests indicated a failing transmission line component near the 1000-foot elevation on the stations' tower. The severity of the indicated damage necessitates repair prior to the stations' resumption of full power operation. To effect these repairs, Wallace Tower Specialists of Franklin, Arkansas, have been retained to ascend the tower, dismantle a portion of the stations' main transmission line, and replace parts as necessary using a mixture of new parts already on-hand, and from supplies already ordered and in transit. Wallace's team began work at the site on March 10, 2021. This work is expected to take several days to complete. In conjunction with the repair work on the tower, the new RF power monitoring system will be delivered and installed by station engineers. RF Solutions will perform measurements to ensure the work on the transmission line is satisfactory prior to the stations resuming full-power operation. While work is ongoing on the tower, the stations will utilize their licensed auxiliary facilities, co-located on the same tower. Appropriate RF safety procedures will be undertaken to protect the Wallace crew and others involved in the repair effort during the operation of the auxiliary facilities, including termination of the stations' transmissions as necessary. At this time, CMG Tulsa hopes to resume full-power broadcasting on or before March 31, 2021 for both affected stations.

Due to the ongoing issues for operation of the Stations, CMG Tulsa requests Special Temporary Authority for operation of the Stations at reduced power until such time as licensed operations can resume.