

# Surveyor's Declaration

I, Brent Clough, of CC Land Surveying subject to the penalties of perjury do declare the following:

I am a licensed surveyor in the state of Michigan.

I have provided professional services to Up North Radio, LLC permit tee of WCDY-FM, McBain, Michigan.

I certify that the WCDY-FM directional antenna has been oriented at the proper azimuth as authorized in the construction permit and to the antenna manufacturer's specifications. FCC File number BMPH-20100428AFP and Facility ID number 183306.

## SURVEYOR'S NOTE:

The following procedure was performed: Survey points were established away from the tower for sighting and taking observations on the antenna. The tower crew used a prism and with guidance from the transmitter engineer on the ground below, the tower crew held the prism under the centerline of the antenna. Once the tower crew was guided into position from the engineer on the ground, the survey crew then measured to the prism with a total station. (These measurements were taken until the antenna was adjusted to the proper azimuth.) There were a total of 10 different measurements taken to achieve the proper azimuth, being that the tower crew had to hold the prism accurately for the survey crew to measure and that the engineer on the ground had to guide the tower crew to the center of the antenna because the tower crew was unable to see where to hold the prism for centerline of the antenna due to the distance out from the tower. The tower crew also commented on the wind speeds shaking the tower back and forth, which caused the survey crew to take more measurements and for the tower crew to make more antenna adjustments.

Signed *B. C. Clough*

Dated 10/6/10 (mm/dd/yyyy)

