

CHARLES WILLIAMSON

New Radio Station

Milford, PA

1450 kHz, 1 kW, ND-U

ENGINEERING STATEMENT

This engineering statement, together with the attached figures, has been prepared on behalf of Charles Williamson, in response to an FCC letter regarding a new radio station at Milford, PA, file number BNP-20041029AHQ (facility ID #161541). This amendment specifies a slightly different tower site for the proposed station at N 41° 20' 10" W 74° 47' 45" (NAD-27), which is closer to Milford, PA and more distant from the WCDL contours. Also supplied in this amendment are measured radials from Special Field Test Authorization WB3XNN, Milford, PA as well as WCDL, Carbondale, PA.

The proposed antenna tower will be 100.8° with no top loading. Since the structure does not exceed 61m/200' overall above ground level, is quite distant from any airport and passes a Towair study, Notice of Proposed Construction is not required to be filed with the FAA.

ENVIRONMENTAL CONSIDERATIONS

The Commission's Rules implementing the Environmental Policy Act does not categorize this proposal as a major action, as it does not involve any of the facilities or actions listed under §1.305 or §1.307 of the Rules.

Regarding the non-ionizing radiofrequency emission from the proposed antenna, Table I on page 49 of O.E.T. Bulletin No. 65 lists the distance in meters at which fields from AM stations are predicted to fall below the FCC and ANSI maximum. Assuming 1000 watts are fed by the station into the tower, Table I requires the fence to be at least 3 meters from the tower face. The applicant has constructed a fence at least 3.05 meters (10 feet) from the tower face. Since the applicant has fencing well within agreement with O.E.T. Bulletin No. 65, this proposal will comply with both FCC and ANSI standards regarding radiofrequency exposure.

Should any maintenance worker require access to the tower, the station will either reduce power or cease operation until workers are outside the tower fence. Appropriate RF warning signs will be placed on all sides of the fences and it may be assumed that there will be no significant effect on the human environment with regard to exposure of the general public.

The applicant reserves the right to make measurements with a power density meter of known accuracy, with the station operating, to determine the actual distance from tower face to tower fence at which the FCC and ANSI standards are not exceeded, including a reasonable safety margin.

DAYTIME ALLOCATION CONSIDERATIONS

A study has been made of stations on 1450 kHz and on channels within 30 kHz of that frequency in determining the protection requirements of the proposed operation. Those stations which were deemed to merit particular consideration, with contours shown in Figure 7 Amended, are:

NEW - Montoursville, PA (20040127ADM)	1450 kHz, 1 kW, U
NEW - Montoursville, PA (20040130BEF)	1450 kHz, 1 kW, U
WCTC- New Brunswick, NJ	1450 kHz, 1 kW, U
WKIP - Poughkeepsie, NY	1450 kHz, 1 kW, DA-D, U
WPAM - Pottsville, PA	1450 kHz, 1 kW, U
WCDL - Carbondale, PA	1440 kHz, 5 kW-D
WEMR - Tunkhannock, PA	1460 kHz, 5 kW-D, 1 kW-N, DA-2,U

Radial measurements at 224, 244 and 264°T from the WKIP antenna system were made by David Schmidt, who employed a Potomac Instruments FIM-41, ser # 653, field intensity meter calibrated June 6, 2002. All three analyzed radials confirm that soil conductivity is significantly less than M-3 toward this proposal.

Radial measurements were made from WCDL, Carbondale, PA at 72, 92, 112 and 132°T, as depicted in Figures 12A through 12D, by Robert Lynch, employing a Potomac Instruments FIM-41, ser # 292, calibrated May 31, 2001 and also Gavin Burt, employing a Potomac Instruments FIM-41, ser # 653, calibrated June 6, 2002. While it was noted that WCDL was operating at reduced power, sufficient measurements were made for an unambiguous documenting of inverse field and conductivity.

Radial measurements were made from Special Field Test Authorization WB3XNN (1620 kHz, 1 kW day only) at 43, 63, 83, 141, 161, 181, 272, 292 and 312°T, either by David Schmidt or Gavin Burt, employing the Potomac Instruments FIM-41 ser # 653, calibrated June 6, 2002 and are shown in Figures 13A through 13I.

Location of contours employed either standard/augmented patterns for directional operation or notified inverse fields for non-directional operation with FCC M-3 soil conductivity and measured conductivity, where applicable.

NIGHTTIME ALLOCATION CONSIDERATIONS

The nighttime limit study for this proposed 1450 kHz operation, shows the 50% RSS to be 25.205 mV/m with contributions from WPAM, WCLI, WYFY and WWSC.

The 25% RSS was found to be 39.417 mV/m with contributions from WPAM, WCLI, WYFY, WWSC, WILM, WCUM, WMAJ, WTSA, WLKW, WCTC and WHDL.

PROPOSED SERVICE CONTOURS

At the proposed tower site, this station will serve all of Milford, PA with a 5 mV/m or greater daytime signal and provide service in rural areas with the 2 and 0.5 mV/m daytime contours, as shown in Figure 5 Amended.

The nighttime interference-free contour of 25.205 mV/m will serve all of Milford, PA, while the nighttime 5 and 2.5 mV/m contours will provide rural service subject to received nighttime interference, as shown in Figures 6A and 6B Amended.

Hence this instant proposal comports with domestic rules and international treaties and is in the public interest.

June 9, 2005



William J. Sitzman
Consulting Radio Engineer

Village of Trumansburg)

Tompkins County) SS:

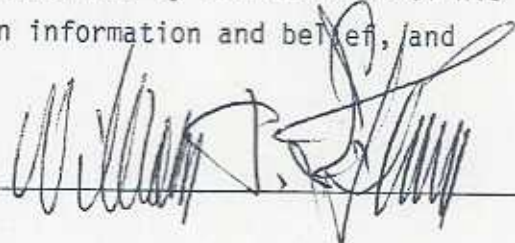
State of New York)

William J. Sitzman, being duly sworn upon his oath, deposes and states that:

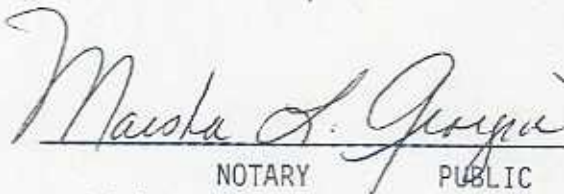
He is president of and a consulting communications engineer with the firm Independent Broadcast Consultants, Inc., with offices at 110 County Rd. #146, Trumansburg, New York 14886-9721.

His qualifications are a matter of record with the Federal Communications Commission, having filed numerous technical and engineering reports with them in the past which were accepted for filing and subsequently were granted approval.

The facts contained in this report subscribed by him are true of his own personal knowledge, except those stated on information and belief, and those facts he verily believes to be true.



Subscribed and sworn to before me this 9th day of June, 2005.



NOTARY PUBLIC

MARSHA L. GEORGIA
Notary Public, State of New York
No. 4791735
Qualified in Tompkins County
Commission Expires Sept. 30, 2005

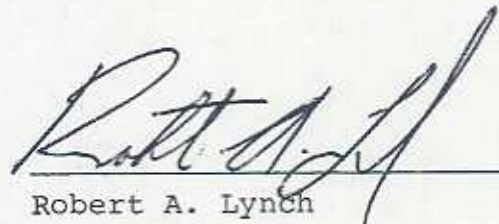
CERTIFICATION

This is to certify that the undersigned Robert A. Lynch is employed by the firm Independent Broadcast Consultants, Inc., of 110 County Road 146, Trumansburg, New York. In that professional capacity, Mr. Lynch compiled field measurement data on Radio Station WCDL, Carbondale, PA in connection with the instant engineering amendment submitted by Mr. Charles Williamson in support of his pending AM broadcast application at Milford, Pennsylvania;

That Mr. Lynch's qualifications are a matter of record with the Federal Communications Commission and that he is thoroughly familiar with the taking and logging of field intensity measurements in accordance with Commission regulation and good engineering practice;

That to the best of his knowledge the data gathered and presented by him are true and accurate.

June 9, 2005


Robert A. Lynch