

## **Fair Distribution of Service, Preliminary Factors in Event of Mutual Exclusivity**

The 60dBu service contour from PROP901 proposed NCE, Class A, Channel 211, Selinsgrove entirely (100%) covers the community of Selinsgrove. Within the 60dBu contour, the total population count is 63,297. This population count was calculated by sending a shape file contour to EGS Technologies, where they overlaid the contour upon US Census Bureau, block group based, 2006 population boundaries for the region. In Selinsgrove, there are other NCE 60dBu contours stations, therefore this proposed station will only provide a third noncommercial educational aural service. The number of people in Selinsgrove is 5,343. This data came from the US Census Bureau web site under population finder, census is from 2006.

The proposed Class A, NCE site is designated as PROP901. The frequency of each site is shown with the station ID when there is room to do so.

Worksheet #6 is also included from FCC Form 340.

**FAIR DISTRIBUTION.** FM Applicants may use this worksheet to answer the questions in Section III, Questions 1 and 2.

1. Using the centroid method for calculating population, based on the most recent census block data, the number of people residing within the radio station's 60 dBu (1 m/Vm) service contour (calculated based on the standard curves in 47 C.F.R. Section 73.313(c) is:

63,297

x .10

6,329

2. Multiply the population on line 1 by .10 (10%)

3. The number of people within the radio station's 60 dBu (1 m/Vm) service contour who will receive a first NCE aural service from the proposed facility is:

zero

N/A

4. The number of people within the radio station's 60 dBu (1 m/Vm) service contour who will receive a second NCE aural service from the proposed facility is:

about 10,000

N/A

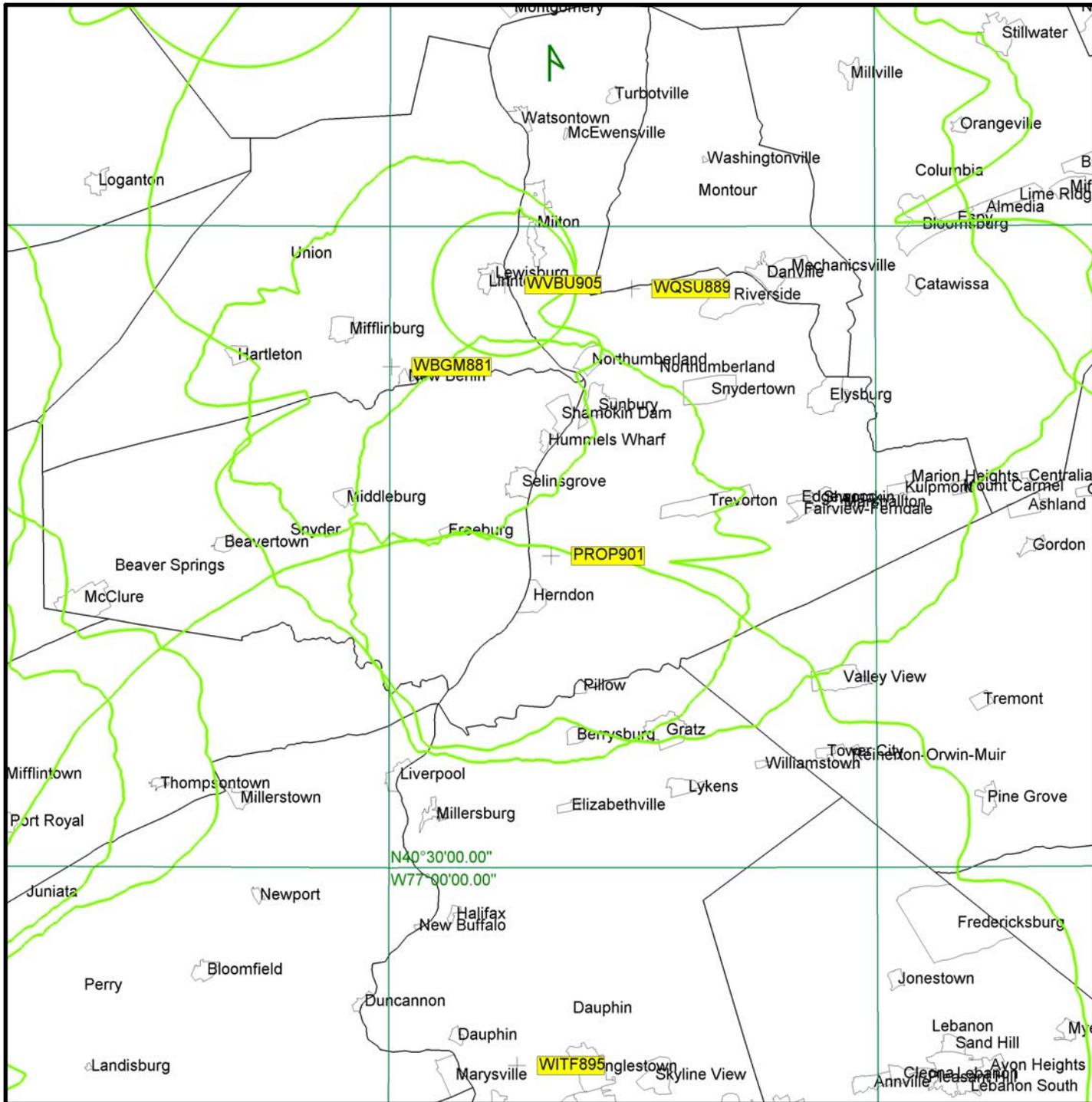
5. Is the number of people reported in 3. and 4. equal to or greater than line 2? If "No," applicant should answer "No" on Section III of Form 340.

Yes  No

6. Is the number of people in 3. or 4. at least 2,000? If "No," applicant should answer "No" to the questions in Section III of Form 340.

Yes  No

Applicants answering "Yes" to both Questions 5 and 6 should answer "Yes" to the corresponding question in Section III of Form 340 (Question 1 for first service, Question 2 for second service) and include an exhibit describing the extent of first and/or second service. Applicants may use this worksheet as the exhibit, if desired.



EDX SignalPro™: BIG-FM

Reference Grid (spacing: 30')

Interference contour study

Propagation methods:  
 service contour : FCC-FCC 50.0%

**60.0 dBµV/m service contour**

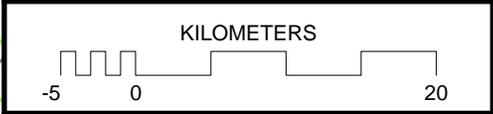
USA

PA Counties

PA Perimeter Counties

Notes

Noncommercial Service to Selingsgrove, PA  
 Proposed NCE Channel 211, 90.1



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