

## Assessment of why NWRWAVES fails at WFO Paducah on March 19, 2009 - with county code "000"

The problem at WFO Paducah during the HazCollect testing on March 19th, 2009 was the county code "KYC000" is not defined. Thus, NWRWAVES is not able to find an UGC match for any of the transmitters to output the message.

The following steps must be taken to create "000" county code and to configure it for a transmitter prior to HazCollect testing:

1. Create an entry of county code "000" for localUGClookup.table
  - a. Select *NWRWAVES setup utility* window from *NWRWAVE browser*
  - b. The first tab of "*Transmitter Configuration*" should be displayed
  - c. The first transmitter (BLF in Paducah case) will be selected by default
  - d. Click on the "Edit Local LACs" button
  - e. Enter each entry accordingly (see Figure 1) for creating "KYC000"
  - f. Select "Save Edits"
  - g. Repeat steps d. to f. if the site involves multiple states (e.g. "ILC000" and "MOC000" for Paducah).
  - h. When completed, the localUGClookup.table file in /awips/adapt/NWRWAVES/bin directory should contain:

```
#LOCAL UGC LOOKUP TABLE CREATED BY NWRWAVES
ALL Kentucky (AMBER ONLY), KY, PAH, C, KYC000
ALL Missouri (AMBER ONLY), MO, PAH, C, MOC000
ALL Illinois (AMBER ONLY), IL, PAH, C, ILC000
```

2. Assigning the county code for a transmitter (a minimal of one will do)
  - i. Locate the lower left scroll window for "Unused Counties/Indep. Cities for SiteID (e.g. PAH)"
  - j. Left click on the "000" county code (e.g. KYC000)
  - k. Hit the "→" button associates with the "Routine Broadcast Selected Counties/Zones" on top right scroll window.
  - l. Repeat steps j. to k. if the site involves multiple states. (see Figure 2)
  - m. Select "Save Transmitter Edits" (Green button)
  - n. Select File menu -> Save & Exit option.

Once the county code of "000" is defined and configured, the NWRWAVES should be able to locate the newly defined UGC code (e.g. KYC000, ILC000 and MOC000).

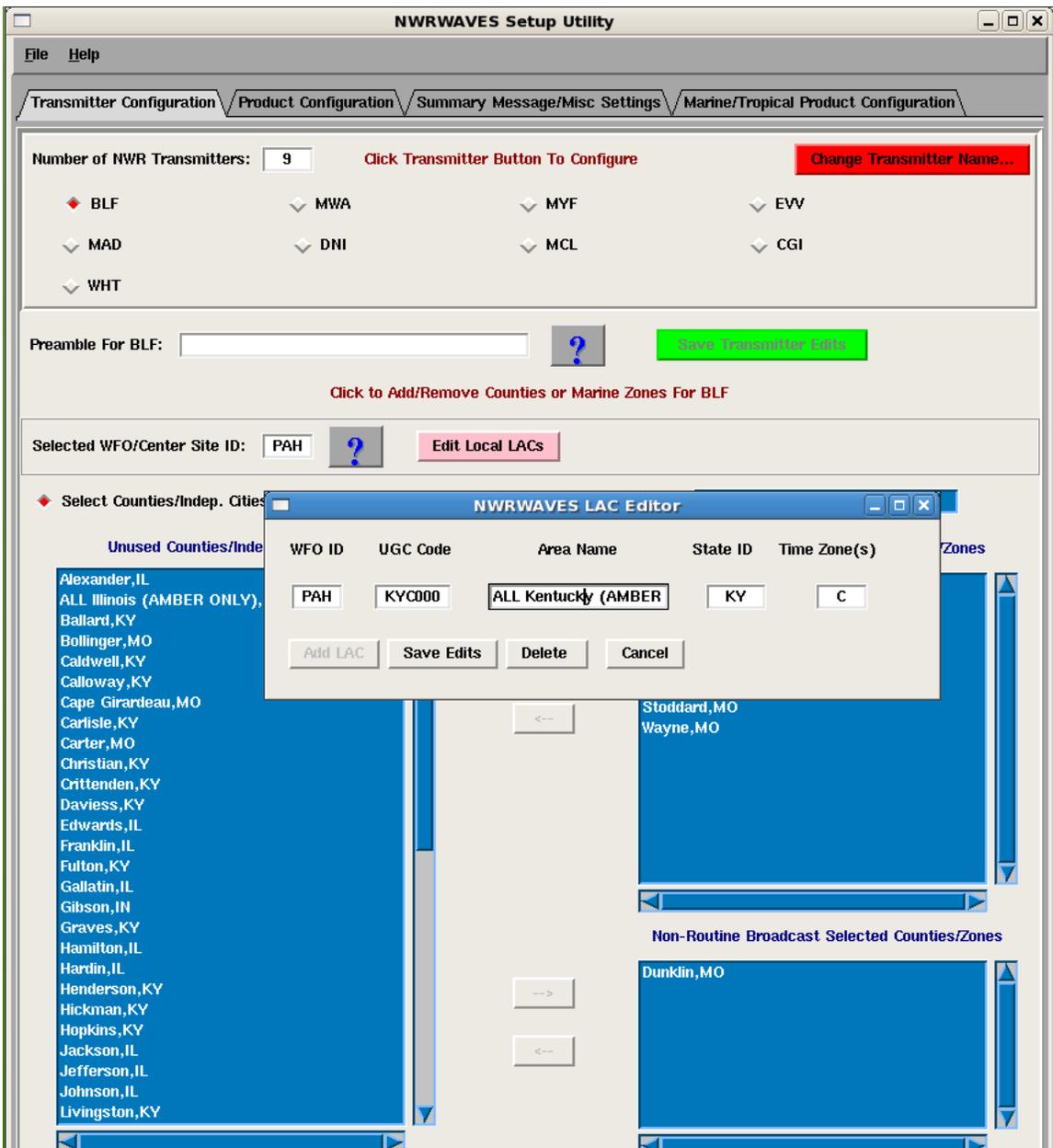


Figure 1 – Defining the “000” county code.

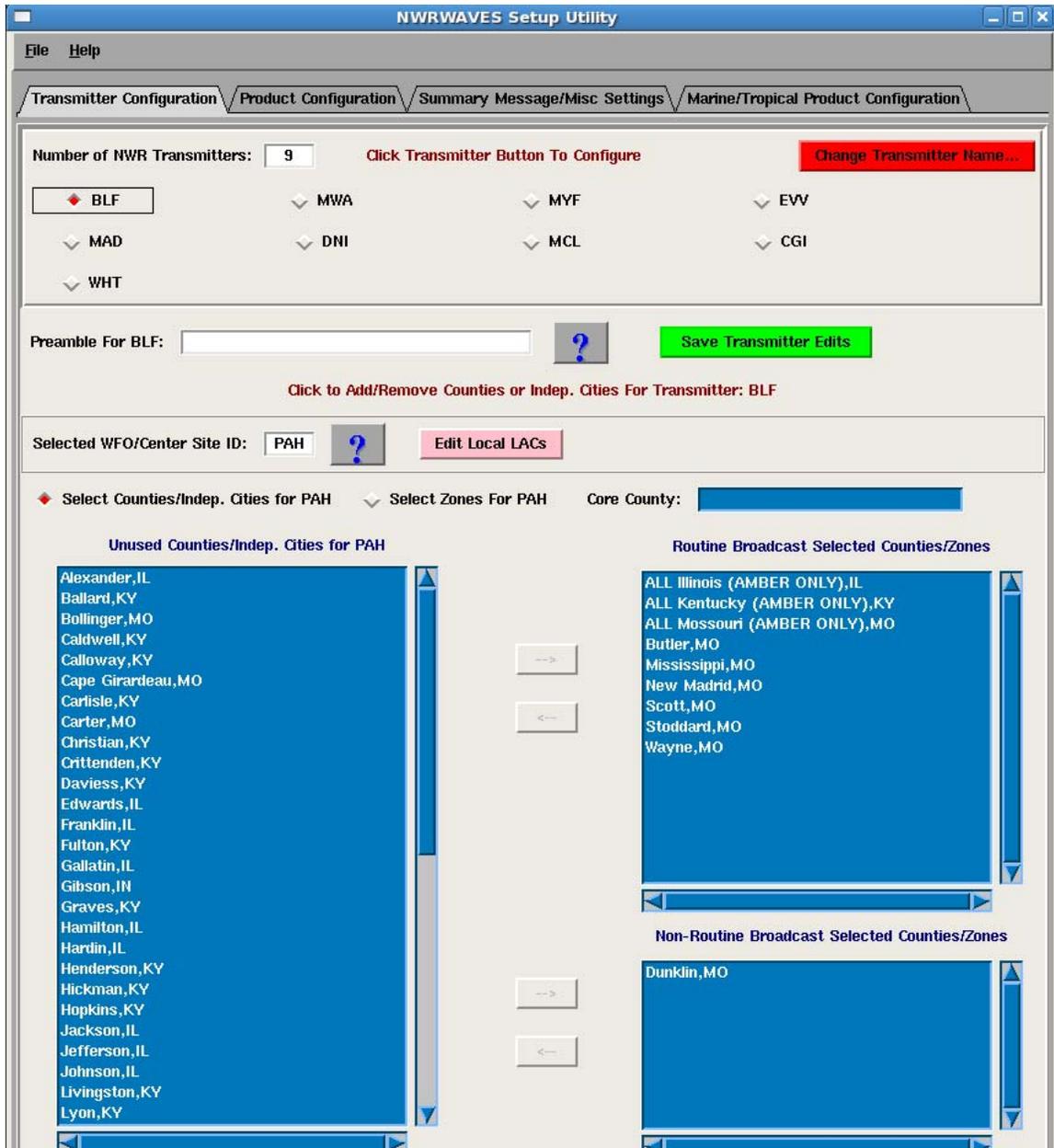


Figure 2 – Assigning the “000” county code to a transmitter (e.g. BLF) for Routine Broadcast

### Explanation of the problem in OB9

In OB8.3.1 or older versions, NRRWAVES works fine for National Message with county code "000". When Listening Area Code (LAC) is "000" means for all counties in the State and NRRWAVES would build the UGC string correctly that includes all the countries in the state and the users don't need to define "000" in the **transmitter\_cfg** file.

If a given state A has [LAC-001 – LAC099](#) when county code "000" received, NWRWAVES does include all the counties in the state A from [001-099](#) in the UGC line prior sending this to CRS.

In OB9, the county code of "000" is formally accepted as a request by the WFO Caribou, ME for an AWIPS DR\_19614 fix. Therefore, all the sites must be defining the "000" county code and assigning to a (minimal one) transmitter prior to running the NWRWAVES for HazCollect purpose.