Lakes Environmental Software Inc.
419 Phillip Street – Unit 3
Waterloo, Ontario N2L 3X2 Canada
Tel. (519) 746-5995 Fax (519) 746-0793

Lakes Environmental Air Pollution and Risk Assessment Newsletter July 2007

Modeling Tip: Using ISH Data in AERMOD

Further Notes by the Developer of the NCDC_CNV Tool – Mr. Russell Lee

- Aside from ISH data, NCDC_CNV also processes abbreviated DATSAV3 data (also available from the NCDC). Typically, the ISH flag should be used in the input file when processing ISH data and the ABBRDS flag should be used when processing the DATSAV3 data. The *only* difference between these two data type indicators is that ISH assumes the data are in GMT and converts it to local time, and ABBRDS assumes the data are already in local time. Sometimes the DATSAV3 data are supplied with time in GMT. *In this case, it is necessary to use ISH so that the time gets adjusted to local time.*

- In the input file, time zones are to be specified as negative in the U.S. Thus, Eastern Standard Time is indicated with a "-5", etc.

- Be aware that, if you use the "code to identify minutes…", the first observation found in the range of time you identified will be used. Thus, if you use a value of 50 minutes in the last entry of line 1 of FILELIST.INP, then the first observation found between 50 minutes (i.e., 10 minutes before the hour) and 60 minutes will be used. This may occasionally be a "special" observation. If you know that all observations are taken at least 56 minutes after the hour, use 56 rather than a lower number to avoid selecting too many special observations instead of the regular observations.

NCDC_CNV will be updated from time to time to improve it, to make it more compatible with changes in data formats, or to fix "bugs". Therefore, when you plan to use it, check www.rflee.com to see if there have been any updates.