

This application is a prototype program that calculates the Pollutant Standards Index (PSI) when pollutant concentrations are input. Since it is a prototype, not all aspects of the PSI should be considered correct. They are as correct as can be at this point. The more complicated calculations for ozone are built in to the program itself. The program just calculates the index, it will not predict or use surrogates (for example 1-hour ozone for 8-hour ozone). The categories and their descriptors are the result of much discussion and input from many sources. They are not expected to change unless a clear message is sent by focus groups being formed to look at these issues this Summer.

The executable should be saved to a folder in the programs directory. A "shortcut" can be made and may be placed on the desktop if desired. Once the program is executed, a choice of inputs will be offered:

1. Pollutant concentrations - The output will be the PSI for this combination of input concentrations.
2. PSI and a pollutant - The output will be the PSI and health language for this pollutant and PSI. In addition, the concentration level necessary for this PSI level will be output.
3. PSI - The output will be the concentrations of all the pollutants that would have been necessary to produce this index.

The program may be restarted at any time by clicking on the "restart" part of the menu. A printout can also be generated by the File menu.

Any concerns, comments, or problems should be reported to Terence FitzSimons (919) 541-0889 or fitz-simons.terence@epamail.epa.gov for email. The final version of this program will be made available by March of 1999.