

## PERFUM Version Control

**7/3/08:** PERFUM was updated to version 2.5.1. A small bug was fixed in the near-field activity module. This module was designed to allow only the testing one application rate for each run, but didn't halt properly when multiple rates were inputted. The program now gives an error if the user attempts to use multiple application rates.

**6/6/08** – PERFUM was updated to version 2.5. The capability of modeling near-field activity zones was added to the model. The near-field activity zone represents an area around the field where people may be active following the application.

**3/12/07** – PERFUM was updated from version 2.1.3 to version 2.1.4. The changes include: (1) the addition to the output of a concentration profile as a function of distance from the edge of the field, and (2) a small change in the interpolation algorithm for buffer zones to fix a bug that could occur in very rare circumstances (the program halted if the bug occurred, so any previous successful run is not effected).

**12/12/06** – PERFUM was updated from version 2.1.2 to version 2.1.3. The changes include: (1) fixing a bug that resulted in incorrect buffer zones for building fumigation scenarios where a stack was placed on top of the building (the previous version incorrectly calculated the building height, leading to an overestimate of the buffer zones), and (2) adds the capability for the user to specify the exit temperature of the plume for a building fumigation. The later capability required the addition of a new line (41) to the input file, which must be added to PERFUM2 input files used in the previous version.