

RADTRAD Change Log: Version 4.5.8

Released June 2018

- **Code Fixes:**

- Added a command line option '--aerosol_24_hr_limit' that causes aerosol natural deposition filter to cease removing nuclide after 24 hours if no deposition rates are included in the table after 24 hours.
- A command line option '--2hr_limitB4_24hrs' was added that causes the time step size from 12.5 hours to 24 hours to be limited to a maximum of 2 hours in the default time step algorithm. After 24 hours, the time step size can grow to a maximum of 4 hours.
- A divide by zero error was fixed that occurred when a compartment with spray removal contained no nuclide to remove.
- The NRC output file had some mislabeled columns in the DOSE CONVERSION FACTORS AND DECAY CONSTANTS table. The column labels were corrected.
- The filter table in the output file now displays time to 1/100th of a second.