

Release Notes for IDC Version 4.0.161

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1. **(6/16/2011)** A new flag (KDEB) is included in the Main Input File to turn on or off the printing of the model progress messages on the screen.
2. **(9/21/2011)** Printing of the simulation time step on the screen to monitor model progress is made optional through the KDEB flag in the Main Input File.
3. **(10/3/2011)** Ponding depths for rice fields and refuges were mistakenly treated as flow-rate-type variables and they were incorrectly multiplied with the time conversion factor. This caused incorrect ponding depths when the time interval of the ponding depth data was not the same as the simulation time step. This error was corrected.
4. **(10/4/2011)** To avoid any data confusion between flow-rate-type and non-flow-rate-type data, the Ponded Crops Operations Data File was broken into two files: i) Ponding Depth Data File and ii) Ponding Operation Flows Data File. The former file only includes time series data for ponding depths for rice fields and refuges, whereas the latter file includes flow-rate-type time series data such as return flows, re-use amounts and water application depths for non-flooded decomposition of rice.
5. **(10/4/2011)** In the previous revision of IDC, ETAW and effective precipitation, ETP, (i.e. part of ET met by precipitation) were reported as zero outside the irrigation season even though their actual values may have been non-zero. Now, the actual values of ETAW and ETP are printed in the land and water use budget output to promote consistency between this and the root zone budget. The actual ET for agricultural lands reported in the root zone

budget table should now be equal to the summation of ETAW and ETP reported in the land and water use budget.

6. **(10/19/2011)** In the previous revision of IDC, the amount of water designated for irrigation was multiplied by the ratio of the agricultural water demand to the total water demand (sum of agricultural and urban water demand) in a grid cell to compute the agricultural water deliveries. This mistakenly led to reduced agricultural water deliveries if a grid cell included urban lands as well as agricultural lands. This error is now corrected.