d:\modular\_datasets\_rev60\revision\_notes\Rev60docs

**REVISION 60 – August 19, 2019**

1. NEW\_INPUT\_FILES

Contains a list of new input files that are being tested.

1. NEW\_OUTPUT\_FILES

Contains a list of new output files being review.

1. Existing output files

List of changes in output files

1. Existing input files

List of changes in input files

1. Other

Other files that were modified in this revision.

1. **NEW INPUT FILES**
2. **NEW OUTPUT FILES**

Pesticide output files added:

(basin\_aquifer) basin\_aqu\_pest\_\*.txt

(basin channel) basin\_ch\_pest\_\*.txt

(basin\_reservoir) basin\_res\_pest\_\*.txt

(basin landscape units) basin\_ls\_pest\_\*.txt

(aquifer) aquifer\_pest\_\*.txt

(channel) channel\_pest\_\*.txt

(reservoir) reservoir\_pest\_\*.txt

(hru) hru\_pest\_\*.txt

(Note: The PRINT.PRT file, PEST section triggers the outputs for all the files above)

1. **EXISTING OUTPUT FILES**
2. **EXISTING INPUT FILES**

* OVN\_TABLE.LUM file – the inputs for ‘urban\_asphalt’ should be .011 instead of .110 (all example  
   datasets updated)

PLANTS.PLT (all example input datasets updated with updated file)

* Removed Water (WATR) from this database; User will use one of the wetland plants (wehb, wetf, wetl, wetn, wewo)
* Removed Barren (BARR) from this database;

(the interface will include ‘null’ in the LU\_MGT column in HRU-DATA.HRU which indicates no landuse)

* Edit input for BLAI in rngb (originally == 2.0) and rnge (originally == 2.5) - both changed == 4.0

**AQUIFER.AQU file:**

* GW\_FLO is initial groundwater flow in mm units

The definition of the next two variables in this file that were not being used are now:

* ‘orgn’ - this column renamed to ‘carbon’ (default == 0.5)
* ‘orgp’ – this column renamed to ‘flo\_dist’ (default == 50.0)

**CODES.BSN**

* Added an option in the NOSTRESS column (option ==2)

nostress = 0 (all stresses applied)

1 (turn off all plant stress)

**2 (turn off nutrient plant stress only)**

* **CALIBRATION FILES UPDATES** (files in …/database\_files)

cal\_parms.cal

wb\_parms.sft

1. **OTHER**

The following new subroutines were added:

aqu\_pesticide\_module.f90

basin\_aqu\_pest\_output.f90

aqu\_pesticide\_output.f90