d:\modular\_datasets\_rev60\_5\revision\_notes\Rev60\_5docs.docx

**REVISION 60.5**

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**

* Added new water allocation output file (water\_allo\_\*.txt); (still testing; it is not set up in print.prt todate);

1. **EXISTING OUTPUT FILES**

* Added pesticide metabolic columns to files the listed below; Hendrik is testing

1. **EXISTING INPUT FILES**
2. In the lum decision table, the LIM\_VAR input for plant\_gro can either be a ‘1’, for plant growing (original code) OR the plant name (e.g., CORN)

plant\_gro   hru          0   corn     -         -     -     =

 year\_rot   hru          0    null      -         1     =     =

(Notes from Jeff):

if “corn” is growing, then the condition is met. Much better than the old way of saying if plant “1” in pcomdb is “y”.

1. Added CN\_UPDATE to the lum.dtl file; allows users to update the curve number with the decision table (not currently being used in example datasets but updated file is included in database files directory);

Example:

cn\_update   hru       0   corn\_update     abschg     3      0         null     y     n

Notes from Jeff: The cn\_update action adds 3 (abschg) to the current cn2 value. All of the change options will work (absval, abschg, pctchg, relchg) but if you use the absval and you change cn2 at the start of the simulation using the calibration.cal file, the absval will override the change in the calibration.cal file. We should tell users not to use absval option.

1. **OTHER**

NEW subroutines added to this revision:

* proc\_hru.f90
* calsoft\_hyd\_bfr.f90
* calsoft\_hyd\_bfr\_et.f90
* calsoft\_hyd\_bfr\_latq.f90
* calfost\_hyd\_bfr\_surq.f90
* calsoft\_hyd\_bfr\_perc.f90
* cn2\_init.f90
* gwflow\_module.f90
* gwflow\_read.f90
* gwflow\_simulate.f90
* pest\_metabolite\_read.f90
* pl\_write\_parms\_cal.f90
* plant\_transplant\_read.f90
* mgt\_transplant.f90
* rls\_routeaqu.f90
* sd\_channel\_sediment.f90
* header\_water\_allocation.f90
* water\_allocation.f90
* water\_allocation\_module.f90
* water\_allocation\_read.f90
* water\_allocation\_output.f90