d:\modular\_datasets\_rev59\revision\_notes\Rev59docs

**REVISION 59 – April 16, 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**
3. **EXISTING OUTPUT FILES**

* Added FLO\_IN and AQU\_IN to the aquifer SD output files;
* Units added back to all output files

1. **EXISTING INPUT FILES**

* **LUM.DTL** – Deleted the crops that are cross walked with the plants.plt file that have been renamed in earlier revision (all datasets updated):

**OLD** **NEW**

wwht1500 wwht

corn1500 corn

soyb1300 soyb

* **IRR.OPS** – This file updated (all datasets updated).
* **CAL\_PARMS.CAL**

1. added remaining tile calibration variables to this file;

tile\_lag hru 0 100 hrs

tile\_rad hru 3 40 mm

tile\_dist hru 7600 30000 mm

tile\_drain hru 10 51 mm/day

tile\_pump hru 0.00 10 mm/hr

tile\_latk hru 0.01 4 null

1. added pest calibration variables to this file;

pst\_solub pst 0 11000000 mg/L (ppm)

pst\_aq\_hlife pst 0 10000 1/day

pst\_aq\_volat pst 0 10 m/day

pst\_aq\_settle pst 0 10 m/day

pst\_aq\_resus pst 0 1 m/day

pst\_ben\_hlife pst 0 10000 1/day

pst\_ben\_bury pst 0 0.1 m/day

pst\_ben\_act\_dep pst 0 1 m

NOTE: cleaned up variables that were not being used in this file.

* FILE.CIO – Renaming of default calibration files; moved codes.sft for grouping all soft calibration files together

!! calibration change

type input\_chg

character(len=25) :: cal\_parms = "cal\_parms.cal"

character(len=25) :: cal\_upd = "calibration.cal"

character(len=25) :: codes\_sft = **"codes.sft"** !!old name codes.cal

character(len=25) :: wb\_parms\_sft = **"wb\_parms.sft"** !!old name ls\_parms.cal

character(len=25) :: water\_balance\_sft = **"water\_balance.sft"** !!old name ls\_regions.cal

character(len=25) :: ch\_sed\_budget\_sft = **"ch\_sed\_budget.sft"** !!old name ch\_orders.cal

character(len=25) :: ch\_sed\_parms\_sft = **"ch\_sed\_parms.sft"** !!old name ch\_parms.cal

character(len=25) :: plant\_parms\_sft = **"plant\_parms.sft"** !!old name pl\_parms.cal

character(len=25) :: plant\_gro\_sft = **"plant\_gro.sft"** !!old name pl\_regions.cal

end type input\_chg

type (input\_chg) :: in\_chg

* **PESTICIDE.PST** - (headers only changed in this file – all datasets updated):
  + AQ\_REAC 🡪 AQ\_HLIFE
  + BEN\_REAC 🡪 BEN\_HLIFE
* print.prt – HRU\_CS removed from this file (if there);
* RES\_REL.DTL – “below\_prinipal” should be “below\_principal” (commit data updated);
* RECCNST/ave annual option added in EXCO (CEAP\_CONNECTIVITY\_TEST dataset)
* Updated RECALL measured in commit data files to new format (deleted PSOL, PSOR, C, BACP, BACLP, MET1, MET2, MET3 columns)

1. **OTHER**

* An irrigation issue fixed in this revision; (unlim option added to decision tables);
* Added subroutine: define\_unit\_elements.f90
* CALHARD\_CONTROL.F90 added;
* Renaming of default files for soft calibration:

**OLD** **NEW**

codes.cal codes.sft

ls\_parms.cal wb\_parms.sft

ls\_regions.cal water\_balance.sft

ch\_orders.cal ch\_sed\_budget.sft

ch\_parms.cal chsed\_parms.sft

pl\_parms.cal plant\_parms.sft

pl\_regions.cal plant\_gro.sft