d:\swatplus\_code\Rev42\_docs

**REVISION 42 – February 14, 2018**

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**
4. **EXISTING INPUT FILES**
5. PRINT.PRT file: T column **removed** below (commented in code temporarily)

**Deleted** T column in objects section (see **BOLD** below):

print.prt output print settings

…

OBJECTS DAILY MONTHLY YEARLY AVANN **T**

basin\_wb n n y y **n**

basin\_nb n n y y **n**

basin\_ls n n y y **n**

1. CODES.BSN Input **RTPEST** is now **NOSTRESS**:
2. **OTHER**

**ATMOSPHERIC DEPOSITION**

In this revision, the atmospheric deposition code was cleaned up and the input files a bit changed from the previous code.

All example files are located in the database\_files directory for all three timesteps;

* FILE.CIO – the name of the atmodep is entered in the CLIMATE section (see **BOLD**)

file.cio (control input/output) - 2 Stage Ditch input data

SIMULATION time.sim print.prt object.prt object.cnt

CLIMATE weather-sta.cli weather-wgn.cli null pcp.cli tmp.cli slr.cli hmd.cli wnd.cli **atmo\_aa.cli**

* Within each timestep, there are station names included in the each file; these names should be entered in the weather-sta.cli file.

**ATMO\_ANNUAL.TXT:**

Atmodep\_file example - annual

NUM\_STA TIMESTEP MO\_INIT YR\_INIT NUM\_AA

2 aa 0 0 0

**atmo\_1**

0.35 (NH4\_RF)

3.24 (NO3\_RF)

0.13 (NH4\_DRY)

0.12 (NO3\_DRY)

**atmo\_2**

0.35 (NH4\_RF)

3.24 (NO3\_RF)

0.13 (NH4\_DRY)

0.12 (NO3\_DRY)

Where: NUM\_STA == number of deposition stations in the file

* TIMESTEP == There are three timesteps to read the files which is input in the atmospheric file with character inputs:

aa = average annual (or constant)

mo = monthly

yr = yearly

MO\_INIT == Initial month of the input data;

YR\_INIT == Initial year of the input data;

NUM\_AA == Number of average annual values

NAME = atmo\_1 (deposition name to be included in WEATHER-STA.CLI file)

0.35 == NH4\_RF average annual input

3.24 == NO3\_RF average annual input

0.13 == NH4\_DRY average annual input

0.12 == NO3\_DRY average annual input

**WEATHER-STA.CLI:**

weather-sta.cli

NAME WGN PGAGE TGAGE SGAGE HGAGE WGAGE WNDIR ATMODEP

wea1 wgn001 mentone.pcp mentone.tmp sim sim sim null **atmo\_1 (crosswalked from NAME in atmo file)**

wea2 wgn001 warsaw.pcp warsaw.tmp sim sim sim null **atmo\_2**