V.3.3-RES-SNGL-SPEC-SETDH   SINGLE RESERVOIR REGULATION OPERATION
                             SCHEME DAILY RATE OF CHANGE OF POOL
                             ELEVATION

Purpose

Scheme SETDH allows the user to ramp up pool elevation or to ramp
down pool elevation or to put a limit on the maximum rate of change
pool elevation through reservoir command language.

Input Summary

    Keyword   Definition and Format

    SETDH   Input opening keyword for scheme

     PARMS   Parameter opening keyword for scheme

      HVALUE   Prescribed daily rate of change of pool
                            elevation:
                            o If the daily rate of change of pool
                              elevation is specified numerically the
                              format is:
                                 - HVALUE 'value'
                                 - 'value' is real; positive value to
                                    ramp up; negative value to ramp down
                            o If daily rate of change of pool elevation
                              is specified by a table the daily rate of
                              change of pool elevation is to be
                              determined from INST/MEAN/POOL
                              (independent) versus daily rate of change
                              of pool elevation (dependent) table; the
                              format is:
                                 - HVALUE TABL

        [TBLTYPE]   Data type of independent variable of table:
                              - needed only if 'HVALUE TABL' entered
                              - TBLTYPE [INST or MEAN or POOL]
                              - INST indicates independent variable is
                                instantaneous discharge
                              - MEAN indicates independent variable is
                                mean discharge
                              - POOL indicates independent variable is
                                pool elevation
                              - default is INST

        [TABLE]   INST/MEAN/POOL (independent variable) versus
                            daily rate of change of pool elevation
                            (dependent variable) table:
                              - needed only if 'HVALUE TABL' is entered
                              - 'j' values of INST/MEAN/POOL followed by
                                'j' values of daily rate of change of
                                pool elevation; positive values for

```
Keyword                   Definition and Format

                          ramping up; negative values for ramping
                          down; maximum 50 pairs
                        - independent variables INST/MEAN/POOL must
                          be in ascending order


  ENDPARMS                Parameter ending keyword for scheme

  ENDSETDH                Input ending keyword for scheme
```

Input Examples

1. Constant daily rate of change of pool elevation (1.0 FT/DAY or 1.0
   M/DAY) to ramp down pool elevation:

```
   SETDH
   PARMS
   HVALUE     -1.0
   ENDP
   ENDSETDH
```

2. Daily rate of change of pool elevation from pool elevation versus
   daily rate of change of pool elevation (FT/DAY or M/DAY) table to
   ramp up pool elevation:

```
   SETDH
   PARMS
   HVALUE     TABL
   TBLTYPE    POOL
   TABLE      500.0      500.1      520.0      530.0      540.0
               1.0        1.0        1.5        2.0        2.5
   ENDPARM
   ENDSETDH
```