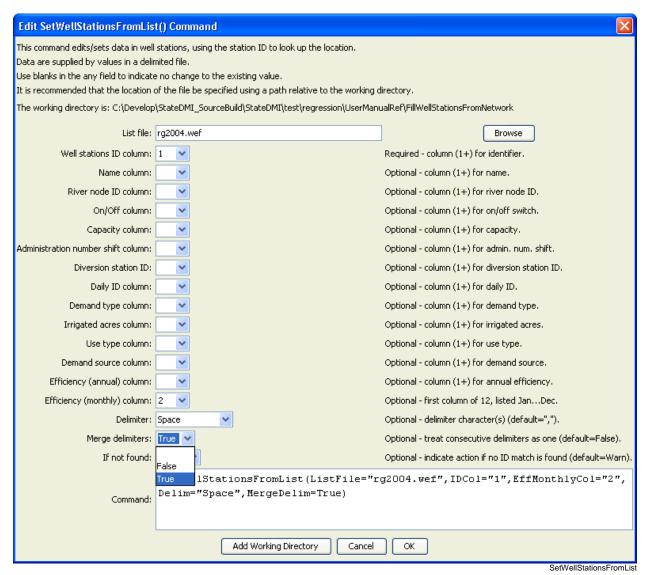
Command Reference: SetWellStationsFromList()

Set well station data from a list file

StateMod Command

Version 3.09.01, 2010-02-01

The SetWellStationFromList() command sets data in existing well stations (it currently will not add a station – use ReadWellStationsFromList()). The following dialog is used to edit the command and illustrates the syntax of the command, in this case to set the well station average monthly efficiencies.



SetWellStationsFromList() Command Editor

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The command syntax is as follows:

SetWellStationsFromList(Parameter=Value,...)

Command Parameters

Parameter	Description	Default
ListFile	The name of the delimited input file to read.	None – must be specified.
	Strings that include delimiter characters can	
	be surrounded by double quotes in the list	
	file. Lines starting with # are treated as	
	comments.	
IDCol	The column number (1+) containing the well	If not specified, the original
	station identifiers.	value will remain.
NameCol	The column number (1+) containing the well	If not specified, the original
	station names.	value will remain.
RiverNodeIDCol	The column number (1+) containing the river	If not specified, the original
	node identifiers.	value will remain.
OnOffCol	The column number (1+) containing the	If not specified, the original
	on/off switch.	value will remain.
CapacityCol	The column number (1+) containing the	If not specified, the original
	capacity.	value will remain.
AdminNumShiftCol	The column number (1+) containing the	If not specified, the original
	administration number shift value.	value will remain.
DiversionIDCol	The column number (1+) containing the	If not specified, the original
	associated diversion identifier.	value will remain.
DailyIDCol	The column number (1+) containing the daily	If not specified, the original
	identifier.	value will remain.
DemandTypeCol	The column number (1+) containing the	If not specified, the original
	demand type.	value will remain.
IrrigatedAcresCol	The column number (1+) containing the	If not specified, the original
	irrigated acres.	value will remain.
UseTypeCol	The column number (1+) containing the use	If not specified, the original
	type.	value will remain.
DemandSourceCol	The column number (1+) containing the	If not specified, the original
	demand source.	value will remain.
EffAnnualCol	The column number (1+) containing the	If not specified, the original
	annual efficiency. If the annual efficiency is	value will remain.
	specified, each monthly efficiency will be set	
	to the annual value.	

Parameter	Description	Default
EffMonthlyCol	The column number (1+) containing the monthly efficiency for January. The efficiencies for other months should be specified in columns that follow. The annual efficiency is set to the average of the monthly efficiencies. The efficiencies in the list file must be listed January to December as percent (0 to 100). The order of the values in the StateMod well stations will be according to the output year type set by setOutputYearType(), or calendar by default.	If not specified, the original values will remain.
Delim	The character(s) that delimits columns, or one of the literal words: • Space • Tab • Whitespace – spaces and tabs.	, (comma)
MergeDelim	If True, then treat consecutive delimiter characters as one delimiter. If False, separate columns will result.	False
IfNotFound	 Used for error handling, one of the following: Fail – generate a failure message if the ID is not matched Ignore – ignore (don't add and don't generate a message) if the ID is not matched Warn – generate a warning message if the ID is not matched 	Warn

The following example illustrates how to create well stations from a list file and then set the efficiencies (in this case from a StateCU output file) from another list. The full data line is trimmed of whitespace before processing and data in columns are automatically trimmed of whitespace after parsing.

```
StartLog(LogFile="commands.StateDMI.log")
ReadWellStationsFromList(ListFile="rgdssall.csv",IDCol="1")
SetWellStationsFromList(ListFile="rg2004.wef",IDCol="1",
    EffMonthlyCol="2",Delim="Space",MergeDelim=True,IfNotFound=Warn)
WriteWellStationsToStateMod(OutputFile="rgdssall.dds")
```

The following is an example of the list file used with the above:

```
Control
   Card 1
   format: (Free)
NOTE EFF1 IS JANUARY, EFF2 IS FEBRUARY, ETC.
        Eff1
   Eff1
        eff(12) Efficiency in month 12
#1 ID
#----
    200505
                                       0.
                                            0.
            0.
                     0.
                                                0.
                                                              0. ALAMOSA D
                                                              0. ANACONDA D
```