

VIII.3.3-RES-SNGL-S-CKST26 SUBROUTINE CKST26

Description

Subroutine CKST26 checks pool storages that have been computed in QGEN26 against upper and lower limiting storages.

Calling Sequence

CALL CKST26 (NRUN, KSTART, KEND, VOLUME, STOR1, QGENMX, QOMIN, STOUPR, STOLWR, STOMIN, QIMHYD, QOMOBS, QOMYHD, IBUG, FCST)

Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
NRUN	Input	I*4	1	Position in inflow or outflow array at runtime
KSTART	Input	I*4	1	Position in inflow or outflow array at end of the first time interval in the 24 hour or partial 24 hour period
KEND	Input	I*4	1	Position in inflow or outflow array at the end of the last time interval in the 24 hour or partial 24 hour period
VOLUME	Output	R*4	1	Revised volume of outflow for the 24 hour or partial 24 hour period to keep from exceeding limits
STOR1		R*4	1	Storage at the beginning of the first time interval in the 24 hour or partial 24 hour period when first entering CKST26; storage at the end of the last time interval when leaving CKST26
QGENMX	Input	R*4	1	Maximum generation discharge
QOMIN	Input	R*4	1	Required minimum outflow
STOUPR	Input	R*4	1	Upper limiting pool storage; -999.0 if it varies with the date
STOLWR	Input	R*4	1	Lower limiting pool storage; -999.0 if it varies with the date
STOMAX	Input	R*4	*	Array of upper limiting pool

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
				storages when the storage varies with the date
STOMIN	Input	R*4	*	Array of lower limiting pool storages when the storage varies with the date
QIMHYD	Input	R*4	*	Array of mean inflows
QOMOBS	Input	R*4	NRUN	Array of observed outflows
QOMYHD	Input	R*4	*	Array of mean outflows
IBUG	Input	I*4	1	Debug indicators: 0 = no trace or debug 1 = trace only 2 = trace and debug
FCST	Input	L*4	1	If 'TRUE' then time interval is in the forecast time period