

Parameter	Definition	Units
WSEL_SKIM_Inst	Instantaneous river water surface elevation measured at the SQN skimmer wall (Station 13).	feet msl
Q_SQN_Hydro_1-hr	1-hr average hydro river flow at SQN, computed based on 1D unsteady flow model of Chickamauga Reservoir and hydro releases from Watts Bar Dam and Chickamauga Dam.	cfs
TUS_COMP_24-hr	24-hr average compliance ambient river temperature measured at TRM 490.4 (Station 14).	°F
TDS_COMP_24-hr	24-hr average compliance downstream river temperature computed at downstream end of diffuser mixing zone by the SQN compliance model.	°F
TRISE_COMP_24-hr	24-hr average compliance river temperature rise between the measured ambient river temperature (Station 14) and the computed river temperature at the downstream end of the diffuser mixing zone.	°F

Julian Gridlines				
Jan		0	-100000	NPDES limit for T
Jan	31	31	-100000	Julian
Feb		31	100000	
Feb	28	59	100000	0
Mar		59	-100000	365
Mar	31	90	-100000	
Apr		90	100000	NPDES exclusion for h
Apr	30	120	100000	Julian
May		120	-100000	
May	31	151	-100000	0
Jun		151	100000	365
Jun	30	181	100000	
Jul		181	-100000	NPDES limit for TF
Jul	31	212	-100000	Julian
Aug		212	100000	
Aug	31	243	100000	0
Sep		243	-100000	90
Sep	30	273	-100000	90
Oct		273	100000	304
Oct	31	304	100000	304
Nov		304	-100000	365
Nov	30	334	-100000	
Dec		334	100000	
Dec	31	365	100000	

DS_COMP_24-hr
Limit
(°F)
86.9
86.9

igh TUS_COMP_24-hr
Limit
(°F)
84.9
84.9

RISE_COMP_24-hr
Limit
(°F)
9
9
5.4
5.4
9
9