

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS SOUTH ATLANTIC DIVISION		DAILY REPORT ROANOKE RIVER RESERVOIRS				WILMINGTON DISTRICT			
PREPARED BY: Daniel Emerson (STATION)		DATE: 19APR2018 , THURSDAY				FILE NUMBER B9.9 (RR)			
CLIMATOLOGICAL DATA AS OF 0800 TODAY		J.H. KERR	PHILPOTT				ROANOKE RAPIDS		
TEMP (DEG,F): MAX IN LAST 24 HRS.....		79	83						
MIN IN LAST 24 HRS.....		46	44						
RAINFALL (IN): AT DAM IN LAST 24 HRS....		0.00	0.00				0.00		
BASIN AVG LAST 24 HRS....		0.00							
FORECAST NEXT 24 HRS.....		0.00- 0.00							
FORECAST 2nd 24 HOURS....		0.00- 0.00							
RESERVOIR DATA		J.H. KERR	PHILPOTT	ISLAND CREEK	SMITH MOUNTAIN	LEESVILLE	LAKE GASTON	ROANOKE RAPIDS	
ELEV., FT. MSL. : 2400 YESTERDAY.....		302.37	974.72	259.50	793.80	610.93	200.50	130.20	
0800 TODAY.....		302.38	974.74	258.00			200.33	130.00	
0800 TOMORROW.....		302.60	974.65						
GUIDE CURVE.....		302.00	973.50						
MAXIMUM(OBS OR FORECAST) DATE AND TIME OF MAXIMUM									
SEVEN DAY FORECAST.....		301.00							
FORECAST DATE.....		26APR2018							
AVG. INFLOW, CFS: 0001-0800 TODAY.....		7549	283						
YESTERDAY.....		16949	269						
EXPECTED TODAY.....		7500	230						
MAXIMUM(OBS OR FORECAST) DATE AND TIME OF MAXIMUM									
AVG. OUTFLOW, CFS: 0001-0800 TODAY.....		6750	195						
YESTERDAY		6839	210			2542	7567	8453	
YESTERDAY THRU TURBINES.		6839	210						
EXPECTED TODAY.....		5800	200						
NOTE: 1. AVERAGE FLOWS ARE FOR 24-HOUR PERIODS ENDING AT MIDNIGHT ON ROWS INDICATED, 'YESTERDAY.'									
2. PREDICTED ELEVATIONS ARE BASED ON NORMAL POWER GENERATION AND PRECIPITATION TO DATE.									
DOWNSTREAM CONTROL GAGE DATA			BASSETT	ALTAVISTA				ROANOKE RAPIDS	
GAGE HEIGHT, FEET: 2400 YESTERDAY.....			2.28	5.68				5.87	
0800 TODAY.....			1.61					6.01	
KERR POWER DATA (MWH) - YESTERDAY						PHILPOTT POWER DATA (MWH) - YESTERDAY			
GROSS GEN.	NET TO KERR	NET FROM KERR	CP&L	VPCO	PROJECT USE	GROSS GEN.	MIN REL	NET FROM PHILPOTT	PROJECT USE
1158.7	5.0	1138.0	0.0	1134.0	4.0	VPCO: 56.0	3.0	56.0	1.0

RESERVOIR REGULATION SECTION YADKIN, CAPE FEAR, AND NEUSE RIVER RESERVOIRS												
PROJECT NAME	RAIN (IN)	WATER SUPPLY (CFS)	ELEVATION (FT,MSL)			INFLOW (CFS)		OUTFLOW (CFS)		AIR TEMPS (DEG, F)		LAKE TEMP
			YESTDA 12 MID	TODAY 8 AM	GUIDE CURVE	YESTDA TOTAL	TODAY MD-8AM	YESTDA TOTAL	CURRENT OUTFLOW	MAX	MIN	DEG F
B.E. JORDAN	0.00	36	219.98	219.80	216.0	2829	2280	6096	6247	84	48	66
FALLS LAKE	0.00	57	254.64	254.50	251.5	1086	1076	3244	3649	N/A	N/A	61
KERR SCOTT	0.00	N/A	1033.95	1033.26	1030.0	1229	N/A	3011	2979	83	35	62
AIRPORT PRECIPITATION (IN) FOR THE PAST 24 HOURS AS OF 8AM EDT AT THE FOLLOWING RAIN GAGE LOCATIONS:												
LYNCHBURG, Va	0.00	GREENSBORO, Nc	0.00	RALEIGH, Nc	0.00	ROANOKE, Va	0.00	DANVILLE, Va	0.00			