



RESERVOIR OPERATION AND SYSTEM STATUS FOR APRIL 2009

HIGHLIGHTS – The Ohio River at Cairo began the month at a stage of 37.07 feet. The Cairo stage crested at 40.85 feet on the 16th of the month; by the end of the month, Cairo receded to 34.54 feet. Flood stage at Cairo is 40 feet. A flood control operation was initiated on the 6th and terminated on the 27th.

WEATHER – April precipitation was above normal in Kentucky, Indiana, and Illinois. Precipitation was below normal in eastern Tennessee, western Virginia, West Virginia, western Pennsylvania, and in southwestern New York. Precipitation departures ranged from 0.65 inches below normal in Pittsburgh, PA to 3.62 inches above normal in Indianapolis, IN. The most significant rainfall events affected the western part of the Ohio Valley and ran from the 2nd through the 6th and also from the 27th through the 29th.

The basin temperatures were above normal during April. Temperature departures in the basin ranged from 0.5 degrees above normal at Nashville, TN to 2.6 degrees above normal at Charleston, WV.

TEMPERATURE AND PRECIPITATION – APRIL 2009

STATION	TEMPERATURE		PRECIPITATION	
	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	52.1	+2.2	2.36	-0.65
Charleston, WV	56.9	+2.6	2.97	-0.28
Columbus, OH	53.4	+1.4	4.23	+0.98
Cincinnati, OH	54.8	+1.0	3.72	-0.24
Louisville, KY	58.3	+1.9	4.43	+0.52
Indianapolis, IN	53.8	+1.8	7.23	+3.62
Evansville, IN	56.7	+1.2	6.01	+1.53
Nashville, TN	59.0	+0.5	4.13	+0.20

STREAMFLOW – The monthly average flows ranged from a low of 79% of normal at Pittsburgh, PA to a high of 94% of normal at Paducah, KY. Daily flows ranged from a low of 45% of normal at Louisville, KY to a high of 140% of normal at Pittsburgh, PA. The following table presents the flow data summary for the Ohio River Index Stations:

FLOW DATA – APRIL 2009

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND			HIGH
Pittsburgh, PA	46,000	79	140	50
Huntington, WV	110,000	80	111	50

Cincinnati, OH	149,000	84	114	51
Louisville, KY	190,000	91	123	45
Evansville, IN	214,000	88	128	53
Paducah, KY	436,000	94	105	70

RESERVOIRS – April began with 5.2% utilization of the total system flood control storage and ended the month at 2.4%. System-wide augmentation storage availability began the month at 96.8% and was at 98.9% by the end of the month.

The following table depicts storage change by tributary reservoir subsystem for April:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	+145,500
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+215,500
Twelvepole-Big Sandy-Little Sandy-Scioto	+103,900
Little Miami-Licking-Mill Creek-Great Miami	+59,600
Kentucky-Salt-Green-Wabash	+434,500
Cumberland	+14,400
TOTAL	+973,400

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