



RESERVOIR OPERATION AND SYSTEM STATUS FOR SEPTEMBER 2009

HIGHLIGHTS – The Ohio River at Cairo began the month at a stage of 18.34 feet. The Cairo stage fell to a low of 11 feet on the 17th. The Cairo stage was at 27.21 feet by the end of the month. Flood stage at Cairo is 40 feet.

WEATHER – The weather during September was much wetter than normal in the southern half of the basin with drier conditions in central Indiana, West Virginia, Pennsylvania and north. Precipitation departures ranged from 1.66 inches below normal at Pittsburgh, PA to 7.49 inches above normal at Nashville, TN. Major rainfall events occurred between the 15th and 18th in the Cumberland and Tennessee basins, the 20th and 21st in Kentucky, Indiana, and Illinois, the 22nd in the Tennessee basin and from the 25th to the 27th in all areas except for northern Indiana and Illinois.

Ohio Valley temperatures during September were near normal to above normal. The temperature departures ranged from 0.3 degrees F above normal at Columbus, OH to 2.2 degrees F above normal at Indianapolis, IN.

TEMPERATURE AND PRECIPITATION – SEPTEMBER 2009

STATION	TEMPERATURE		PRECIPITATION	
	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	64.9	+0.9	1.55	-1.66
Charleston, WV	68.1	+1.9	4.42	+0.97
Columbus, OH	66.8	+0.3	2.50	-0.42

Cincinnati, OH	67.9	+0.5	4.83	+2.01
Louisville, KY	71.0	+0.9	5.70	+2.65
Indianapolis, IN	68.5	+2.2	1.86	-1.02
Evansville, IN	70.1	+1.0	5.17	+2.18
Nashville, TN	72.3	+1.0	11.08	+7.49

STREAMFLOW – The monthly average flows ranged from a low of 85% of normal at Pittsburgh, PA to a high of 150% of normal at Paducah, KY. Daily flows ranged from a low of 26% of normal at Evansville, IN to a high of 446% of normal at Louisville, KY. The following table presents the flow data summary for the Ohio River Index Stations:

FLOW DATA – SEPTEMBER 2009

STATION	AVERAGE MONTHLY FLOW CUBIC FEET/SECOND	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
			HIGH	LOW
Pittsburgh, PA	9,000	85	140	59
Huntington, WV	25,000	107	232	61
Cincinnati, OH	33,000	114	339	49
Louisville, KY	40,000	134	446	27
Evansville, IN	48,000	137	434	26
Paducah, KY	130,000	150	389	36

RESERVOIRS – September began with 1.0% utilization of the total system flood control storage and ended the month at 1.9%. System-wide augmentation storage availability began the month at 97.4% and was at 94.6% by the end of the month. The following table depicts storage change by tributary reservoir subsystem for September:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-183,700
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-37,800
Twelvepole-Big Sandy-Little Sandy-Scioto	+1,300
Little Miami-Licking-Mill Creek-Great Miami	-8,800
Kentucky-Salt-Green-Wabash	-4,100
Cumberland	+176,100
TOTAL	-57,000

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