



RESERVOIR OPERATION AND SYSTEM STATUS FOR SEPTEMBER 2008

HIGHLIGHTS – The Ohio River at Cairo began the month at a stage of 12.16 feet. The Cairo stage rose to a high of 33.14 feet on the 22nd of the month. Cairo fell to 18.09 feet by the end of the month. Flood stage at Cairo is 40 feet.

WEATHER – The weather was much drier than normal during September for most of the Ohio River watershed except for the far northern and western edges of the basin. This contributed to the development of drought conditions in the southern and central portion of the basin. Precipitation departures ranged from 2.71 inches below normal at Nashville, TN to 0.42 inches below normal at Columbus, OH. There was a significant widespread rainfall from the 9th to the 10th and also in the north and northwest from the 12th through the 15th as Hurricane Ike affected the basin. In addition to the rainfall, Hurricane Ike produced high wind gusts around 75 mph on the 14th, resulting in widespread power outages throughout the Ohio Valley.

Temperatures across the basin were above normal during September. The temperatures ranged from 1.9 degrees above normal at Pittsburgh, PA to 4.7 degrees above normal in Charleston, WV.

TEMPERATURE AND PRECIPITATION – SEPTEMBER 2008

STATION	TEMPERATURE		PRECIPITATION	
	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	65.9	+1.9	2.65	-0.56
Charleston, WV	70.9	+4.7	1.16	-2.29
Columbus, OH	70.1	+3.6	2.50	-0.42
Cincinnati, OH	71.0	+3.6	1.22	-1.60
Louisville, KY	73.8	+3.7	1.31	-1.74
Indianapolis, IN	70.1	+3.8	2.04	-0.84
Evansville, IN	71.7	+2.6	1.16	-1.83

Nashville, TN	73.9	+2.6	0.88	-2.71
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STREAMFLOW –The monthly average flows ranged from a low of 50% of normal at Evansville, IN to a high of 79% of normal at Huntington, WV. Daily flows ranged from a low of 17% of normal at Evansville, IN to a high of 232% of normal at Huntington, WV.

The following table presents the flow data summary for at the Ohio River Index Stations:

FLOW DATA – SEPTEMBER 2008

STATION	AVERAGE MONTHLY FLOW CUBIC FEET/SECOND	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
			HIGH	LOW
Pittsburgh, PA	8,000	76	152	49
Huntington, WV	18,000	79	232	26
Cincinnati, OH	19,000	66	143	35
Louisville, KY	17,000	59	170	20
Evansville, IN	18,000	50	99	17
Paducah, KY	57,000	66	89	38

RESERVOIRS – September began with 1.2% utilization of the total system flood control storage and ended the month at 0.9%. System-wide augmentation storage availability began the month at 95.3% and was at 92.0% 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	-178,800
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-24,300
Twelvepole-Big Sandy-Little Sandy-Scioto	-14,400
Little Miami-Licking-Mill Creek-Great Miami	-16,000
Kentucky-Salt-Green-Wabash	-72,900
Cumberland	-322,500
TOTAL	-628,900

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