



RESERVOIR OPERATION AND SYSTEM STATUS FOR AUGUST 2009

HIGHLIGHTS – The Ohio River at Cairo began the month at a stage of 23.48 feet. The Cairo rose to 28.07 feet on the 5th of the month then fell to a low of 16.18 feet on the 30th. The Cairo stage was at 18.23 feet by the end of the month. Flood stage at Cairo is 40 feet.

WEATHER – Precipitation was drier than normal across the basin with some isolated areas wetter than normal, especially in the southern Indiana / northern Kentucky region where flash flooding occurred on the 4th. Precipitation departures ranged from 2.01 inches below normal at Cincinnati, OH to 2.47 inches above normal at Louisville, KY. Other rainfall events besides August 4th occurred on the 2nd, the 10th and the 11th, the 20th and 21st, and on the 28th.

Ohio Valley temperatures during August remained below normal across the western part of the basin and became slightly above normal in the east. The temperature departures ranged from 2.5 degrees F below normal at Cincinnati, OH to 1.2 degrees F above normal at Charleston, WV.

TEMPERATURE AND PRECIPITATION – AUGUST 2009

STATION	TEMPERATURE		PRECIPITATION	
	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	71.8	+0.8	3.55	+0.17
Charleston, WV	73.8	+1.2	3.25	-0.86
Columbus, OH	72.6	-0.9	3.27	-0.45

Cincinnati, OH	72.0	-2.5	1.78	-2.01
Louisville, KY	75.7	-1.3	5.88	+2.47
Indianapolis, IN	73.0	-0.5	4.94	+1.12
Evansville, IN	74.8	-1.7	1.91	-1.23
Nashville, TN	77.1	-0.8	2.14	-1.14

STREAMFLOW – The monthly average flows ranged from a low of 156% of normal at Paducah, KY to a high of 215% of normal at Louisville, KY. Daily flows ranged from a low of 12% of normal at Pittsburgh, PA to a high of 601% of normal at Louisville, KY. The following table presents the flow data summary for the Ohio River Index Stations:

FLOW DATA – AUGUST 2009

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
CUBIC FEET/SECOND			HIGH	LOW
Pittsburgh, PA	22,000	185	365	12
Huntington, WV	53,000	175	394	59
Cincinnati, OH	68,000	192	499	45
Louisville, KY	90,000	215	601	26
Evansville, IN	96,000	205	520	36
Paducah, KY	173,000	156	308	46

RESERVOIRS – August began with 1.6% utilization of the total system flood control storage and ended the month at 1.0%. System-wide augmentation storage availability began the month at 98.5% and was at 97.4% by the end of the month. The following table depicts storage change by tributary reservoir subsystem for August:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-52,500
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-1,700
Twelvepole-Big Sandy-Little Sandy-Scioto	-7,800
Little Miami-Licking-Mill Creek-Great Miami	-19,400
Kentucky-Salt-Green-Wabash	-35,200
Cumberland	-359,700
TOTAL	-476,300

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