



**WATER MANAGEMENT  
MONTHLY REPORT**  
**Information Exchange Bulletin**

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**RESERVOIR OPERATION AND SYSTEM STATUS FOR AUGUST 2008**

**HIGHLIGHTS** – The Ohio River at Cairo began the month at a stage of 29.45 feet. The Cairo stage rose to a high of 31.06 feet on the 5<sup>th</sup> of the month. Drier weather resulted in Cairo’s stage falling to 12.14 feet by month’s end. Flood stage at Cairo is 40 feet.

**WEATHER** – The weather was generally drier than normal during August in the Ohio Valley. Precipitation departures ranged from 2.78 inches below normal at Louisville, KY to 0.01 inches above normal at Columbus, OH. The only widespread rainfall event occurred across southern KY and TN from the 26<sup>th</sup> to the 28<sup>th</sup>. The rest of the watershed’s rainfall came from showers and thunderstorms from less organized weather systems.

Ohio Valley temperatures averaged near normal during August. The temperatures ranged from 1.3 degrees below normal at Pittsburgh, PA to 1.8 degrees above normal in Louisville, KY.

**TEMPERATURE AND PRECIPITATION – AUGUST 2008**

STATION	TEMPERATURE		PRECIPITATION	
	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	69.7	-1.3	3.36	-0.02
Charleston, WV	72.8	+0.2	2.97	-1.14
Columbus, OH	73.9	+0.4	3.73	+0.01
Cincinnati, OH	74.5	0.0	1.78	-2.01
Louisville, KY	78.8	+1.8	0.63	-2.78
Indianapolis, IN	73.8	+0.3	1.83	-1.99
Evansville, IN	76.0	-0.5	0.52	-2.62
Nashville, TN	78.9	+1.0	1.67	-1.61

**STREAMFLOW** –The monthly average flows ranged from a low of 52% of normal at Evansville, IN to a high of 85% of normal at Pittsburgh, PA. Daily flows ranged from a low of 10% of normal at Louisville, KY to a high of 207% of normal at Pittsburgh, PA.

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

**FLOW DATA – AUGUST 2008**

STATION	AVERAGE MONTHLY FLOW  CUBIC FEET/SECOND	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
			HIGH	LOW
Pittsburgh, PA	10,000	85	207	35
Huntington, WV	23,000	77	148	33
Cincinnati, OH	26,000	73	127	25
Louisville, KY	23,000	55	120	10
Evansville, IN	24,000	52	104	13
Paducah, KY	89,000	80	185	42

**RESERVOIRS** – August began with 2.3% utilization of the total system flood control storage and ended the month at 1.2%. System-wide augmentation storage availability began the month at 98.7% and was at 95.3% by the end of the month.

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

<b>CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM</b>	<b>(ACRE-FEET)</b>
Allegheny-Monongahela-Beaver	-92,800
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-61,300
Twelvepole-Big Sandy-Little Sandy-Scioto	-11,900
Little Miami-Licking-Mill Creek-Great Miami	-10,600
Kentucky-Salt-Green-Wabash	-173,400
Cumberland	-221,000
<b>TOTAL</b>	<b>-571,000</b>

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