WATER MANAGEMENT MONTHLY REPORT

Information Exchange Bulletin

Vol. No. 09 – 01

Date: 12 February 2009

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RESERVOIR OPERATION AND SYSTEM STATUS FOR JANUARY 2009

HIGHLIGHTS – The Ohio River at Cairo began the month at a stage of 39.02 feet. The Cairo stage fell to a low of 18.06 feet on the 27th of the month. Cairo was at 24.49 feet at month's end. Flood stage at Cairo is 40 feet. The flood control operation, initiated December 29th, was terminated on the 2nd when the crest of 39.74 feet passed. This stage was the highest stage recorded during the month.

WEATHER – Precipitation averaged below normal in the west, excluding Kentucky. Precipitation was mainly above normal in the east. Precipitation departures ranged from 0.76 inches below normal at Indianapolis, IN to1.95 inches above normal at Charleston, WV.

January was much colder than normal, especially in the north. Temperatures departures in the basin ranged from 5.5 degrees below normal at Pittsburgh, PA to 1.6 degrees below normal in Nashville, TN.

The month was mainly very cold and dry with snowfall in the north to start, but the major winter storm from the 26th through the 28th highlighted the Ohio Valley's weather. The Ohio Valley was among the areas most deeply affected by the storm, especially in Kentucky, where heavy ice accumulations over 1" caused widespread and extensive damage to property there. North of the Ohio River, snowfall amounts of 8 to 10" were observed during the event. Snowfall of 2-8" was observed from central KY north to the River. The other significant precipitation event was from the 3rd to the 7th with a few others that had light precipitation totals.

TEMPERATURE AND PRECIPITATION – JANUARY 2009

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM

				NORMAL
Pittsburgh, PA	22.0	-5.5	2.98	+0.28
Charleston, WV	31.2	-2.2	5.20	+1.95
Columbus, OH	22.6	-5.7	2.73	+0.20
Cincinnati, OH	26.0	-3.7	2.96	+0.04
Louisville, KY	29.9	-3.1	3.63	+0.35
Indianapolis, IN	23.0	-3.5	1.72	-0.76
Evansville, IN	28.8	-2.2	2.85	-0.06
Nashville, TN	35.2	-1.6	4.59	+0.62

STREAMFLOW – The monthly average flows ranged from a low of 85% of normal at Evansville, IN to a high of 98% of normal at Pittsburgh, PA. Daily flows ranged from a low of 26% of normal at Paducah, KY to a high of 223% of normal at Huntington, WV.

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

FLOW DATA – JANUARY 2009

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
.	CUBIC FEET/SECOND	MONTHLY	DAILY	
.	.	.	HIGH	LOW
Pittsburgh, PA	42,000	98	208	31
Huntington, WV	101,000	90	223	32
Cincinnati, OH	128,000	94	203	35
Louisville, KY	147,000	87	179	29
Evansville, IN	163,000	85	181	26
Paducah, KY	348,000	88	154	32

RESERVOIRS – December began with 4.7% utilization of the total system flood control storage and ended the month at 6.1%. System-wide augmentation storage availability began the month at 96.9% and was at 96.6% by the end of the month. The following table depicts storage change by tributary reservoir subsystem for December:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	**(ACRE-FEET)**
Allegheny-Monongahela-Beaver	-134,500
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+1,200
Twelvepole-Big Sandy-Little Sandy-Scioto	+9,500
Little Miami-Licking-Mill Creek-Great Miami	+50,500
Kentucky-Salt-Green-Wabash	+103,500
Cumberland	+539,500
TOTAL	**+569,700**

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