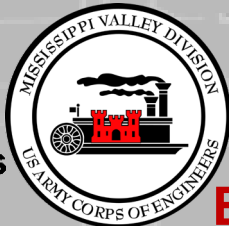


MISSISSIPPI RIVER MANAGERS MEETING 2021

Daniel M Fasching
Primary Mississippi River Regulator
US Army Corps of Engineers
St Paul District
180 5th Street East, Suite 700
St Paul, MN 55101-1678
651-290-5786



US Army Corps
of Engineers®



BUILDING STRONG®
and Taking Care of People!





NWS PROBABILISTIC OUTLOOK THROUGH APRIL 2021

2



Lock & Dam #	Gates in/out of the water	Exceedance Probability of pulling gates	Closes to Commercial Navigation Flows (cfs)	Exceedance Probability Closed to Navigation
USAF	52,000	<1%	40,000	NA
LSAF	32,000	3%	40,000	<1%
1	NA	NA	40,000	<1%
2	61,000	2%	116,000	<1%
3	36,000	35%	125,000	<1%
4	89,000	10%	160,000	<1%
5	116,000	6%	188,000	<1%
5A	57,000	29%	183,000	<1%
6	76,000	15%	200,000	<1%
7	89,000	15%	235,000	<1%
8	96,000	11%	225,000	<1%
9	64,000	25%	220,000	<1%
10	73,000	55%	238,000	<1%

Source : NWS - North Central River Forecast Center, conditions as of 12/21/2020



BUILDING STRONG®
and Taking Care of People!



VOLUMES COMPARED



Much lower volumes compared to last year but still in the top 6 years.

The average annual volume is 38 million AC-FT

Year	Millions of AC-FT
2019	77.9
1993	59.0
1986	57.0
2017	56.4
2016	55.6
2020	55.5





EMERGENCY SITUATIONS



- Interventions involving gate manipulations are justified only in an emergency situation
- According to MVD deviation categories an “emergency situation” is defined as follows:

“a circumstance where failure to act immediately could result in catastrophe, such as loss of life or significant property damage.”

Industry should only count on such interventions if an emergency is declared by lock staff



BUILDING STRONG®
and Taking Care of People!



IMPORTANT LINKS



- Public Data Available Here: (live data only)
<http://water.usace.army.mil/a2w/f?p=100:1:0:>
- Historic data is available to public at
<http://www.mvp-wc.usace.army.mil/>



and taking care of people.



QUESTIONS?



BUILDING STRONG®
and Taking Care of People!