

Missouri River Main Stem Reservoir System
Operational Summary for Week Ending December 14, 2007
and Three-Week Projection



The temperatures for the week of December 10, 2007, were below normal for most of the basin. Conditions in some portions of the basin continue to get drier with several isolated exceptions. The southern portion of the basin experienced an ice storm on 10-11 December, Monday and Tuesday. From last Saturday through Thursday, the greatest amount of precipitation with a range of a few tenths to over three inches fell in Missouri, eastern Kansas, southern Iowa and Nebraska. The mountain snowpack continues to accumulate but it is much below normal. The forecast shows normal to above normal temperatures with a chance for more snow on Saturday.

Gavins Point releases were held at 14,000 cfs since December 6, but changed to 13,000 cfs on Thursday and Friday, and will be reduced to 12,000 cfs over the next weekend. River levels are being closely monitored to provide adequate flows to assure intake operability.

The Bismarck, North Dakota reach of the Missouri River has established an ice cover. The largest amount of floating ice occurred on Monday, December 10, with 40 percent reported at Sioux City, Iowa and 60 percent at Decatur, Nebraska with ice pans ranging in size from 5 to 15 feet.

Mainstem System storage is 36.9 MAF, down 0.2 MAF from last week. The System storage peaked this year at 40.3 MAF, the highest storage accumulation since October 2003. System storage is 2.9 MAF greater than one year ago. The 2007 calendar year runoff forecast for the Missouri River basin above Sioux City, made on December 1, is 21.3 MAF, approximately 85 percent of normal. The average annual runoff above Sioux City is 25.2 MAF.

System generation totaled 100,052 MWh this week, while the forecasted generation was 100,190 MWh. The weekday generation for the week of 17 December will remain at 15,000 MWh.

Fort Peck Unit 2 will remain out for sometime due to the on-going repairs; Unit 1 was taken out February 26 to repair a turbine guide bearing. It was originally expected back April 6, but the exciter needs to be rewound, so the unit will not be back until early next year. Fort Peck Unit 4 is out for annual maintenance through December 21.

Fort Randall Unit 5 came out of service November 26 for unit maintenance and new generator coolers/piping and is expected back December 13. Fort Randall Unit 4 is down for unit inspection and installation of new generator coolers and piping from December 17 through January 10.

Gavins Point Unit 1 is out through January 16 for annual maintenance. The Gavins Point Reservoir was reported as being frozen over December 10, 2007.

DATE	FTPK	GARR	OAHE	BEND	FTRA	GAPT
18-Dec-07	2200	1811	1581	1421	1343	1208
23-Dec-07	2200	1811	1581	1421	1343	1208
28-Dec-07	2200	1811	1581	1420	1344	1208
02-Jan-08	2200	1811	1581	1421	1345	1208
18-Dec-07	6	15	16	19	11	12
23-Dec-07	6	15	14	3	11	12
28-Dec-07	6	15	16	19	11	12
02-Jan-08	6	15	16	19	11	12

Lawrence J. Cieslik, P.E.
Chief, Water Management Division