

## **MISSISSIPPI RIVER 1999 NAVIGATION NOTICE**

<b>NUMBER</b>	<b>DATE</b>	<b>SUBJECT/LOCATION</b>	<b>EFFECTIVE DATE</b>
MR 99-01	1-Feb-99	LOCK CLOSURE, LOCK AND DAM 21, MISSISSIPPI RIVER, UMR MILE 325.0	22-Feb-99 to 25-Feb-99
MR 99-02	24-Feb-99	ADMENTMENT – EXTENSION, LOCK CLOSURE, LOCK AND DAM 21MISSISSIPPI RIVER, UMR MILE 325.0	22-28 Feb 1999
MR 99-03	29-Mar-99	CHANNEL CCONDITIONS, POOL 15, UMR MILE 486.3	
MR 99-04	4-May-99	LOCK CLOSURE, LOCK AND DAM 14, MISSISSIPPI RIVER, UMR MILE 493.0	24-May-99
MR 99-05	5-May-99	LOCK CLOSURE, LOCK AND DAM 16, MISSISSIPPI RIVER, UMR MILE 457.0	26-May-99
MR 99-06	29-Jun-99	MISSISSIPPI RIVER CHANNEL CONDITIONS, HOGBACK ISLAND, POOL 21, UMR MILES 331.4 TO 331.8	
MR 99-07	20-Jul-99	MISSISSIPPI RIVER, DREDGING, HOGBACK ISLAND, UMR MILE 331.5	21-Jul-99 until further notice
MR 99-08	18-Aug-99	MISSISSIPPI RIVER, LOCK CLOSURE, LOCK AND DAM 16 ,UMR MILE 457.0	31-Aug-99
MR 99-09	30-Aug-99	MISSISSIPPI RIVER, LOCK CLOSURE, LOCK AND DAM 21, UMR MILE 324.9	1-Jan-00 to 29-Feb-00
MR 99-10	30-Aug-99	MISSISSIPPI RIVER, LOCK CLOSURE, LOCK AND DAM 22, UMR MILE 301.1	1-Jan-00 to 16-Feb-00
MR 99-11	1-Sep-99	MISSISSIPPI RIVER, DREDGING, BENTON ISLAND UPPER, UMR MILE 419.8 - 420.3	1-Sept-99 until further notice
MR 99-12	8-Sep-99	MISSISSIPPI RIVER, DREDGING, PRINCETON BEACH, UMR MILES 503.5 - 503.8	8-Sept-99 until further notice
MR 99-13	13-Sep-99	LOCK CLOSURE, LOCK AND DAM 11, MISSISSIPPI RIVER, UMR MILE 583	14-Sep-99
MR 99-14	16-Sep-99	MISSISSIPPI RIVER, DREDGING, LOCK AND DAM 15 LOWER, RM 482.9	16-Sept-99 until further notice

## ***MISSISSIPPI RIVER 1999 NAVIGATION NOTICE***

<b>NUMBER</b>	<b>DATE</b>	<b>SUBJECT/LOCATION</b>	<b>EFFECTIVE DATE</b>
MR 99-15	16-Sep-99	MISSISSIPPI RIVER, DREDGING, BASS ISLAND, UMR 447.5	19-Sept-99 until further notice
MR 99-16	10-Nov-99	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK 17, UMR MILE 437.0	30-Nov-99
MR 99-17	9-Nov-99	UPPER MISSISSIPPI RIVER ICE CONDITIONS, UMR MILE 301.2 - 615.1, LEGAL NOTICE TO NAVIGATION	
MR 99-18	10-Nov-99	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK 17, UMR MILE 437.0	30-Nov-99
MR 99-19	8-Dec-99	WINTER LOCKAGE HOURS, MISSISSIPPI RIVER, LOCKS 11 through 22	1-Jan-00 to 29-Feb-00



**US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:  
**MISSISSIPPI RIVER**

Date:  
**1 FEBRUARY, 1999**

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Location:  
**UMR MILE 325.0**

Effective Period:  
**SEE BELOW**

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In Reply Refer to:  
**OD-MM**

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**LOCK CLOSURE, LOCK AND DAM 21  
MISSISSIPPI RIVER, UMR MILE 325.0**

**LOCK AND DAM No. 21, UMR Mile 325.0, will be closed to all river traffic from 0700 on 22 February 1999 through 1900 on 25 February 1999 for the purpose of repairing the #3 miter gate anchor bar.**

**Towboat operators are requested NOT to tie up on the guidewalls during these closure periods.**

**This notice is subject to change pending river conditions at time of closure.**

**FOR THE DISTRICT ENGINEER:**

**Steven D. Russell, P.E.  
Chief, Management Support Branch**

**MR 99-01**



US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:  
**MISSISSIPPI RIVER**

Date:  
**24 FEBRUARY, 1999**

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Location:  
**UMR MILE 325.0**

Effective Period:  
**SEE BELOW**

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In Reply Refer to:  
**OD-MM**

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**EXTENSION – ADMENDMENT– EXTENSION - ADMENTMENT – EXTENSION**

**LOCK CLOSURE, LOCK AND DAM 21**

**MISSISSIPPI RIVER, UMR MILE 325.0**

**LOCK AND DAM No. 21, UMR Mile 325.0, will be closed to all river traffic from 0700 on 22 February 1999 through 1900 on 28 February 1999 for the purpose of repairing #1 and #3 miter gates. This amends the previous Navigation Notice MR 99-01.**

**Towboat operators are requested NOT to tie up on the guidewalls during these closure periods.**

**This notice is subject to change pending river conditions at time of closure.**

**FOR THE DISTRICT ENGINEER:**

**James H. Blanchar, P.E.  
Chief, Operations Division**

**MR 99-02**



US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:	Date:
MISSISSIPPI RIVER	29 MARCH 1999

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Location:	Effective Period:
POOL 15, UMR 486.3	SEE BELOW

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In Reply Refer to:  
CENCR-OD-T

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## CHANNEL CCONDITIONS

### POOL 15, UMR MILE 486.3

Navigation Area of concern in Pool 15, above the Moline Gap Light and Daymark, UMR Mile 486.3.

This area is part of the historic Rock Island Rapids. Much of this navigation channel was constructed through cut rock. Of special concern is the area between UMR Mile 486.4 - 486.6. Surveys indicate isolated soundings of less than 10.5 feet in the center of the channel. Surveys also identify soundings of 9.9 feet to right side of the center in this area.

Mariners are advised to use extreme caution when transiting this area. Mariners should favor the center and red buoy sides of the navigation channel. In addition, transiting through this area at a slower speed, especially upbound tows, will reduce tow boat squat, and lessen the actual draft of vessels.

Darryl R. Carattini,  
Acting Assistant Chief,  
Operations Division

MR 99-03



**US ARMY CORPS  
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ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River: **MISSISSIPPI RIVER**      Date: **4 MAY 1999**

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Location: **UMR MILE 493.0**      Effective Period: **SEE BELOW**

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In Reply Refer to:  
**OD-MV**

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**LOCK CLOSURE, LOCK AND DAM 14  
MISSISSIPPI RIVER, UMR MILE 493.0**

**LOCK AND DAM No. 14, UMR Mile 493.0 will be closed to river traffic  
on 24 May 1999 from 0800 to 1600 hours for the purpose of repairing the  
seal on #1 miter gate gearbox.**

**Steven D. Russell, P.E.  
Chief, Management Support Branch  
Operations Division**

**MR 99-04**



US ARMY CORPS  
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ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>5 MAY 1999</b>

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Location:	Effective Period:
<b>UMR MILE 457.0</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-MM**

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**LOCK CLOSURE, LOCK AND DAM 16  
MISSISSIPPI RIVER, UMR MILE 457.0**

**LOCK AND DAM No. 16, UMR Mile 457.0 will be closed to river traffic on  
26 May 1999 from 0700 to 1900 hours for the purpose of replacing the  
#4 miter gate.**

**Towboat operators are requested NOT to tie up on the guidewalls  
during these closure periods.**

**This notice is subject to change pending river conditions at time of  
closure.**

**James H. Blanchar, P.E.  
Chief, Operations Division**

**MR 99-05**



US ARMY CORPS  
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ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:	Date:
MISSISSIPPI RIVER	29 JUNE 1999

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Location:	Effective Period:
HOGBACK ISLAND, POOL 21 UMR MILES 331.4 TO 331.8	SEE BELOW

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In Reply Refer to:  
OD-T

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MISSISSIPPI RIVER CHANNEL CONDITIONS  
HOGBACK ISLAND, POOL 21  
UMR MILES 331.4 TO 331.8

If river stages continue to fall, and the river approaches flat pool, depths of less than 9 feet should be anticipated within the next 2 weeks at Hogback Island, UMR Miles 331.4 to 331.8, Pool 21.

Mariners are advised to use extreme caution when transiting this area.

James H. Blanchar, P.E.  
Chief, Operations Division

MR 99-06



US ARMY CORPS  
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ROCK ISLAND  
DISTRICT

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# Navigation Notice

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<b>River:</b> MISSISSIPPI RIVER	<b>Date:</b> 20 JULY 1999
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<b>Location:</b> HOGBACK ISLAND UMR MILES 331.2 - 331.8	<b>Effective Period:</b> SEE BELOW
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**In Reply Refer to:**  
OD-T

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## MISSISSIPPI RIVER

### DREDGING

#### HOGBACK ISLAND, UMR MILE 331.5

The Dredge William A. Thompson will commence channel maintenance dredging at Hogback Island, UMR Mile 331.2 - 331.8, on 21 July 1999.

Dredging will be performed 24 hours per day, 7 days per week until further notice.

A crossing line will be used. Mariners may contact the dredge on channel 13 or 16 for passing instructions.

Mariners are advised to use extreme caution when transiting the area.

James H. Blanchar, P.E.  
Chief, Operations Division

MR 99-07



US ARMY CORPS  
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ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:	Date:
MISSISSIPPI RIVER	18 August 1999

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Location:	Effective Period:
UMR MILE 457.0	SEE BELOW

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In Reply Refer to:  
OD-MM

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**MISSISSIPPI RIVER  
LOCK CLOSURE,  
LOCK AND DAM 16 ,UMR MILE 457.0**

**LOCK AND DAM No. 16, UMR Mile 457.0 will be closed to river traffic on 31 August 1999 from 0700 to 1900 hours for the purpose of repairing the #2 miter gate.**

**Towboat operators are requested NOT to tie up on the guidewalls during these closure periods.**

**This notice is subject to change pending river conditions at time of closure.**

**Kenn R. Shoemaker, P.E.  
Assistant Chief, Operations Division**

**MR 99-08**



**US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:  
**MISSISSIPPI RIVER**

Date:  
**30 AUGUST 1999**

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Location:  
**LOCK AND DAM 21  
UMR MILE 324.9**

Effective Period:  
**SEE BELOW**

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In Reply Refer to:  
**OD-MV**

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## **MISSISSIPPI RIVER**

### **LOCK CLOSURE**

#### **LOCK AND DAM 21, UMR MILE 324.9**

**LOCK AND DAM No. 21, UMR Mile 324.9, will be closed to all navigation from 0700 on 1 January 2000 to 0700 on 29 February 2000 for dewatering and installation of a lock bubbler system.**

**Towboat operators are requested NOT to tie up on the guidewalls during the closure period.**

**James H. Blanchar, P.E.  
Chief, Operations Division**

**MR 99-09**



**US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:  
**MISSISSIPPI RIVER**

Date:  
**30 AUGUST 1999**

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Location:  
**LOCK AND DAM 22  
UMR MILE 301.1**

Effective Period:  
**SEE BELOW**

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In Reply Refer to:  
**OD-MV**

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**MISSISSIPPI RIVER**

**LOCK CLOSURE**

**LOCK AND DAM 22, UMR MILE 301.1**

**LOCK AND DAM No. 22, UMR Mile 301.1, will be closed to all navigation from 0700 on 1 January 2000 to 0700 on 16 February 2000 for repair of miter gate machinery bases, installation of new electrical cables, and repair of miter gate speed reducers.**

**Towboat operators are requested NOT to tie up on the guidewalls during the closure period.**

**James H. Blanchar, P.E.  
Chief, Operations Division**

**MR 99-10**



US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:  
MISSISSIPPI RIVER

Date:  
01 SEPTEMBER 1999

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Location:  
BENTON ISLAND UPPER  
UMR MILES 419.8 - 420.3

Effective Period:  
SEE BELOW

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In Reply Refer to:  
OD-T

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## MISSISSIPPI RIVER

### DREDGING

#### BENTON ISLAND UPPER, UMR MILE 419.8 - 420.3

The Dredge William A. Thompson will commence channel maintenance dredging at Benton Island Upper, UMR Mile 419.8 - 420.3, on 1 September 1999.

Dredging will be performed 24 hours per day, 7 days per week until further notice.

A crossing line will be used. Mariners may contact the Dredge Thompson on marine channel 13 or 16 for passing instructions.

Mariners are advised to use extreme caution when transiting the area.

Steven D. Russell, P.E.  
Chief, Management Support Branch

MR 99-11



US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:  
MISSISSIPPI RIVER

Date:  
08 SEPTEMBER 1999

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Location:  
PRINCETON BEACH  
UMR MILES 503.5 - 503.8

Effective Period:  
SEE BELOW

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In Reply Refer to:  
OD-T

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## MISSISSIPPI RIVER

### DREDGING

#### PRINCETON BEACH, UMR MILES 503.5 - 503.8

The Dredge William A. Thompson will commence channel maintenance dredging at Princeton Beach, UMR Miles 503.5 - 503.8, on 8 September 1999.

Dredging will be performed 24 hours per day, 7 days per week until further notice.

A crossing line will be used. Mariners may contact the Dredge Thompson on channels 13 or 16 for passing instructions.

Mariners are advised to use extreme caution when transiting the area.

James H. Blanchar, P.E.  
Chief, Operations Division

MR 99-12



US ARMY CORPS  
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ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:  
MISSISSIPPI RIVER

Date:  
13 SEPTEMBER 1999

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Location:  
LOCK AND DAM 11  
UMR MILE 482.9

Effective Period:  
14 SEPTEMBER 1999

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In Reply Refer to:  
OD-MM

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## LOCK CLOSURE, LOCK AND DAM 11

### MISSISSIPPI RIVER, UMR MILE 583

1. LOCK AND DAM NO. 11, UMR Mile 583, will be closed to all river traffic on 14 September 1999 from 0800 to 1800 hours for the purpose of replacing the strut arm on #1 miter gate.
2. Towboat operators are requested NOT to tie up on the guidewalls during these closure periods.
3. This notice is subject to change pending ambient conditions at time of closure.

Kenn R. Shoemaker, P.E.  
Assistant Chief, Operations Division

MR 99-13



US ARMY CORPS  
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ROCK ISLAND  
DISTRICT

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# Navigation Notice

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River:  
MISSISSIPPI RIVER

Date:  
16 SEPTEMBER 1999

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Location:  
LOCK AND DAM 15 Lower  
UMR MILE 482.9

Effective Period:  
16 SEPTEMBER 1999

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In Reply Refer to:  
OD-MM

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## MISSISSIPPI RIVER

### DREDGING

#### LOCK AND DAM 15 LOWER, RM 482.9

1. The Dredge Wm. A. Thompson will commence dredging operations at Lock and Dam 15 lower on 16 September 1999.
2. The dredge may be contacted for passing instructions on channels 16 and 14. A crossing line will be in use. Mariners are asked to give at least 30 minutes advance notice for passing instructions.
3. Dredging will be 24 hours a day until further notice.

Kenn R. Shoemaker, P.E.  
Assistant Chief, Operations Division

MR 99-14



US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT

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# Navigation Notice

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River:  
MISSISSIPPI RIVER

Date:  
16 SEPTEMBER 1999

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Location:  
BASS ISLAND  
UMR MILE 447.5

Effective Period:  
19 SEPTEMBER 1999

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In Reply Refer to:  
OD-MM

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## MISSISSIPPI RIVER

### DREDGING

#### BASS ISLAND, UMR 447.5

1. The Dredge Wm. A. Thompson will commence dredging operations at Bass Island, RM 447.5 on 19 September 1999.
2. The dredge may be contacted for passing instructions on channels 16 and 13. A crossing line will be in use. Mariners are asked to give at least 30 minutes advance notice for passing instructions.
3. Dredging will be 24 hours a day until further notice.

Kenn R. Shoemaker, P.E.  
Assistant Chief, Operations Division

MR 99-15



US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT

# Navigation Notice

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River: MISSISSIPPI RIVER      Date: 09 NOVEMBER 1999

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Location: SEE BELOW      Effective Period: SEE BELOW

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In Reply Refer to: CENCR-OD-MV      LEGAL NOTICE TO NAVIGATION

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## UPPER MISSISSIPPI RIVER ICE CONDITIONS UMR MILE 301.2 - 615.1

1. All tows are cautioned to be alert for changing conditions and possible hazards due to ice formations. Severe navigation problems can always be expected throughout the ice forming season.
2. Gorged ice becomes a particular hazard when attempts are made to drive barges through the formation. Barges forced through or over gorged ice are frequently holed, stoved in or buckled, which usually results in sinking. Navigators are advised to exercise due caution to avoid sinking barges and subsequent blockage of the navigation channel. Gorged ice may also create unusual currents and high localized flow or outdraft conditions due to water bypassing the temporary dam formed by the gorge. Navigators approaching an ice gorge should make certain that the towboat has sufficient power to properly control the number of barges in tow under such unusual conditions of flow.
3. Sheet ice will at times prevent opening of the upper and lower miter gates. When the miter gates cannot be fully opened into recesses, they are highly vulnerable to extensive damage from tows entering or departing the lock chamber. Navigators are cautioned to exercise extreme care when entering or departing the lock chamber to avoid damage to the miter gates. When ice builds up to the extent that full usage of the lock chamber is prohibited, length and/or width restrictions will be imposed on lockages.
4. During periods of heavy icing, all towboat operators are required to arrange their tows so that recoupling does not occur between box end barges during a lockage. Rake to box ice couplings should be incorporated into tow configurations by industry on or before 1 November. In the past, ice trapped between box barges has caused long delays in coupling the two

sections of a tow, thereby impeding flow of traffic through the locks.

CENCR-OD-MV

Legal Notice to Navigation:

Mississippi River  
Ice Conditions  
UMR Mile 301.2 - 615.1

5. If a tow is arranged so that recoupling occurs between box end barges and the lockage will result in unusual delays to navigation, the Lockmaster will require loss of lock turn or double-tripping and use of an industry-provided helper boat. If double-tripping is required, the tow will lock through in sections with a towboat attending each section, and each section of the tow will be moved out of the lock approach before recoupling.

6. Consideration will also be given to limiting size of tows if heavy ice conditions warrant observation during past severe winters indicates that eight jumbo barges (two wide) appear to be the best configuration to allow adequate traffic movement. Notice will be given if conditions warrant the limitation of the size and/or configuration of tows.

7. The immediate concern in this area is not limited to financial responsibility for the damages to navigation structures. A primary objective is to eliminate all preventable incidents that will delay traffic.

Kenn R. Shoemaker, P.E.  
Assistant Chief,  
Operations Division

MR 99-17



**US ARMY CORPS  
OF ENGINEERS**  
ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>10 NOVEMBER 1999</b>

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Location:	Effective Period:
<b>LOCK 17</b> <b>UMR MILE 437.0</b>	<b>30 NOVEMBER 1999</b>

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In Reply Refer to:  
**OD-MM**

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## **LOCK CLOSURE, MISSISSIPPI RIVER**

### **LOCK 17, UMR MILE 437.0**

Lock and Dam 17, UMR Mile 437.0, will be closed to all river traffic on 30 November 1999 from 0700 to 1700 hours for the purpose of replacing the #2 miter gate sector arm and strut arm.

Towboat operators are requested **NOT** to tie up on the guidewalls during these closure periods.

This notice is subject to change pending river conditions at time of closure.

**Steven D. Russell, P.E.**  
**Chief, Management Support Branch**

**MR 99-18**



US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT

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# Navigation Notice

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River:	Date:
MISSISSIPPI RIVER	08 DECEMBER 1999

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Location:	Effective Period:
SEE BELOW	SEE BELOW

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In Reply Refer to:  
CENCR-OD-MV

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## WINTER LOCKAGE HOURS

### MISSISSIPPI RIVER

### LOCKS 11 through 22

Rock Island District Locks 11 through 20 will lock traffic between 0800 and 1600, Monday through Friday only, during the period 1 January 2000 through 29 February 2000. Please contact the lockmaster in advance if lockage is required outside these hours.

As previously scheduled, Lock 21 will be closed to ALL traffic from 1 January 2000 to 29 February 2000, and Lock 22 will be closed to ALL traffic from 1 January 2000 to 16 February 2000.

Steven D. Russell, P.E.  
Chief, Management Support Branch

MR 99-19