

MISSISSIPPI RIVER 2001 NAVIGATION NOTICE

NUMBER	DATE	SUBJECT/LOCATION	EFFECTIVE DATE
MR 01-01	12-Jan-01	AMENDMENT to NAVIGATION NOTICE MR 00-19, WINTER LOCKAGE HOURS, MISSISSIPPI RIVER, LOCKS 11 through 22	1-Jan-2001 until further notice
MR 01-02	15-Feb-01	LOCK CLOSURE, LOCK/DAM 12, UMR MILE 556.6	28-Feb-01
MR 01-03	9-Apr-01	LOCK CLOSURE, LOCK 19, MISSISSIPPI RIVER, UMR MILE 364.0	10-Apr-01
MR 01-04	31-May-01	MECHANICAL DREDGING AT LECLAIRE CANAL, MISSISSIPPI RIVER, UMR MILE 493.0	11-Jun-2001 until further notice
MR 01-05	8-Jun-01	CAUTION, MISSISSIPPI RIVER, LOCK/DAM 17, UPPER APPROACH DIKE, UMR MILE 437.2	July
MR 01-06	11-Jun-01	MECHANICAL DREDGING OPERATIONS, MISSISSIPPI RIVER, UMR MILE 413.6	10-Jun-2001 until further notice
MR 01-07	12-Jun-01	AMENDMENT, TO NAVIGATION NOTICE MR 01-06, MECHANICAL DREDGING OPERATIONS MISSISSIPPI RIVER, UMR MILE 413.6	10-Jun-01
MR 01-08	26-Jun-01	LOCK CLOSURE, LOCK AND DAM 16, MISSISSIPPI RIVER, UMR MILE 457.0	27-30 Jun 2001
MR 01-09	27-Jun-01	WATER LEVEL DRAWDOWN, MISSISSIPPI RIVER, LOCK AND DAM 13, UMR MILE 523.0	9-Jul-01
MR 01-10	18-Jul-01 & 25-Jul-01	LOCK CLOSURE, LOCK AND DAM 15, MISSISSIPPI RIVER, UMR MILE 483.0	15-Aug-01
MR 01-11	25-Jul-01	LOCK CLOSURE, LOCK AND DAM 19, REPAIR & ADJUSTMENT OF #1 MITER GATE MISSISSIPPI RIVER	9-Aug-01
MR 01-12	19-Sep-01	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK AND DAM 15, UMR MILE 483.0	29-Sep-01
MR 01-13	5-Oct-01	This is a repeat of Navigation Notice MR01-02 dated 15 Feb. 2001, MISSISSIPPI RIVER, LOCK CLOSURE, LOCK/DAM 12, UMR MILE 556.6	17-Dec-2001 to 11-Mar-2002
MR 01-14	22-Oct-01	REMINDER, UPPER MISSISSIPPI RIVER ICE CONDITIONS, UMR MILE 301.2 - 615.1	

MISSISSIPPI RIVER 2001 NAVIGATION NOTICE

NUMBER	DATE	SUBJECT/LOCATION	EFFECTIVE DATE
MR 01-15	10-Dec-01	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK 18, UMR MILE 410.4	18-19 Dec 2001
MR 01-16	18-Dec-01	MISSISSIPPI RIVER, LOCK AND DAM 15, UMR MILE 483.0, ROCK ISLAND RAILROAD & HIGHWAY DRAWBRIDGE, UMR MILE 482.9	19-Dec-2001 to 11-Mar-02



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:	Date:
MISSISSIPPI RIVER	12 JANUARY 2001

Location:	Effective Period:
LOCKS 11-22	SEE BELOW

In Reply Refer to:
CEMVR-OD-MV

*****AMENDMENT to NAVIGATION NOTICE MR 00-19*****

WINTER LOCKAGE HOURS

MISSISSIPPI RIVER, LOCKS 11 through 22

Rock Island District Locks 11 through 20 will lock traffic between 0800 and 1600 hours, Monday through Friday only, during the period 1 January 2001 through 28 February 2001. Please contact the lockmaster in advance if lockage is required outside these hours.

Rock Island District Locks 21 and 22 will lock traffic between 0800 and 2400 hours ONLY, 7 days a week, during the period 1 January 2001 through 28 February 2001.

As previously scheduled, Lock 12 and Lock 19 will be closed to ALL traffic from 1 January 2001 to 28 February 2001 for maintenance and repair.

FOR THE COMMANDER:

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

MR 01- 01



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

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
15 FEBRUARY 2001

Location:
**LOCK/DAM12
UMR MILE 556.6**

Effective Period:
SEE BELOW

In Reply Refer to:
CEMVR-OD-MV

MISSISSIPPI RIVER

LOCK CLOSURE

LOCK/DAM 12, UMR MILE 556.6

LOCK NO. 12, UMR Mile 556.6, will be closed to all navigation from 0730 on 17 December 2001 through 0730 on 11 March 2002 for the purpose of dewatering the lock to perform major rehabilitation and maintenance work.

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

FOR THE COMMANDER:

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

MR 01- 02



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
9 APRIL 2001

Location:
LOCK 19
UMR MILE 364.0

Effective Period:
SEE BELOW

In Reply Refer to:
OD-MM

LOCK CLOSURE, LOCK 19 **MISSISSIPPI RIVER, UMR MILE 364.0**

LOCK No. 19, UMR Mile 364.0, will be closed to all river traffic on 10 April 2001 from 0900 to 1200 hours for the purpose of underwater inspection of the lower miter gates.

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

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

FOR THE COMMANDER:

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

MR 01- 03



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

Navigation Notice

River:	Date:
MISSISSIPPI RIVER	31 MAY 2001

Location:	Effective Period:
UMR MILE 493	SEE BELOW

In Reply Refer to:
OD-MM

MECHANICAL DREDGING AT LECLAIRE CANAL

MISSISSIPPI RIVER, UMR MILE 493.0

- 1. MECHANICAL DREDGING WITHIN THE LECLAIRE CANAL UPSTREAM OF THE AUXILIARY LOCK LOCATED AT LOCK AND DAM 14, UMR MILE 493.0 IS SCHEDULED TO COMENCE JUNE 11, 2001. THE OPERATION WILL CONTINUE THROUGH MID-SEPTEMBER. DREDGING WILL GENERALLY OCCUR MONDAY THROUGH FRIDAY FROM 0700 THROUGH 1800 HOURS. WEEKEND DREDGING MAY BE NECESSASARY ON A LIMITED BASIS TO COMPLETE THE WORK. MARINERS ARE ADVISED TO USE EXTREME CAUTION WHEN APPROCHING THIS OPERATION. PASSAGE WILL NOT BE POSSIBLE AT TIMES BECAUSE OF THE NARROW CHANNEL. PLEASE CONTACT THE DERRICK BOAT ON CHANNEL 14 PRIOR TO APPROCHING.**
- 2. THE DREDGING IS REQUIRED TO RESTORE PASSAGE THROUGH THE CANAL. SPOIL WILL BE DEPOSITED ON PREVIOUS DEPOSIT SITES INTERIOR TO SMITH ISLAND.**
- 3. THE AUXILIARY LOCK WILL MAINTAIN NORMAL SUMMER HOURS OF OPERATION.**

FOR THE DISTRICT ENGINEER:

JAMES H. BLANCHAR, P.E.
Chief, Operations Division



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
08 JUNE 2001

Location:
**L/D DAM 17, UMR 437.2
UPPER APPROACH DIKE**

Effective Period:
SEE BELOW

In Reply Refer to:
OD-MV

CAUTION CAUTION CAUTION CAUTION

MISSISSIPPI RIVER

LOCK/DAM 17, UPPER APPROACH DIKE, UMR MILE 437.2

Sections of the upper approach dike failed and were washed away during the recent flood. The area is now vulnerable to additional damage by wind, waves, and excessive boat wakes and prop wash. Tows should use extreme caution in the area, particularly around the area 400 feet above the upper guide wall. Repairs are expected to begin in July.

FOR THE DISTRICT ENGINEER:

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

MR 01-05



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

Navigation Notice

River:	MISSISSIPPI RIVER	Date:	11 JUNE 2001
Location:	UMR MILE 413.6	Effective Period:	SEE BELOW

In Reply Refer to:
OD-T

MECHANICAL DREDGING OPERATIONS

MISSISSIPPI RIVER, UMR MILE 413.6

Mechanical Dredging operations at UMR 413.6R commenced June 10, 2001. The operation will continue for approximately two to three weeks. Dredging will be performed 7 days per week from 0700 hours to 1800 hours.

Mariners are requested to contact the M/V Muscatine 30 minutes prior to their arrival on channels 13, 14, and 82. The crane barge will have to be moved off site while tows are passing.

The dredging at LeClaire Canal, UMR 493.0, (Navigation Notice MR 01-04) is postponed until further notice due to the emergency conditions at UMR 413.6R.

FOR THE DISTRICT ENGINEER:

JAMES H. BLANCHAR, P.E.
Chief, Operations Division

MR 01-06



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:	MISSISSIPPI RIVER	Date:	12 JUNE 2001
Location:	UMR MILE 413.6	Effective Period:	SEE BELOW

In Reply Refer to:
OD-T

AMENDMENT AMENDMENT AMENDMENT AMENDMENT

TO NAVIGATION NOTICE MR 01-06

MECHANICAL DREDGING OPERATIONS

MISSISSIPPI RIVER, UMR MILE 413.6

Mechanical Dredging operations at UMR 413.6R commenced June 10, 2001. The operation will continue for approximately two to three weeks. Dredging will be performed 7 days per week from 0700 hours to 1800 hours. This is amended to read, 'Dredging will be performed until Wednesday, June 13, 2001 at 1800 hours and will commence Monday, June 18 2001 at 0700 hours.' Dredging will then be performed Monday thru Friday, 0700 hours to 1800 hours.

Mariners are requested to contact the M/V Muscatine 30 minutes prior to their arrival on channels 13, 14, and 82. The crane barge will have to be moved off site while tows are passing.

The dredging at LeClaire Canal, UMR 493.0, (Navigation Notice MR 01-04) is postponed until further notice due to the emergency conditions at UMR 413.6R.

FOR THE DISTRICT ENGINEER:

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

MR 01-07



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

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
26 JUNE 2001

Location:
UMR MILE 457.0

Effective Period:
SEE BELOW

In Reply Refer to:
OD-MM

**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 all river traffic on 27 JUNE 2001 from 0700 hours to 1900 hours for the purpose of removing the #3 miter gate sector gear.

Following the closure the #3 gate will be operated using the COE MV Rock Island until repairs are completed on 30 June 2001. The MV Rock Island will pull down bound cuts from the lock chamber

An additional closure of approximately 4 hours in duration will be required at a unspecified time during the latter part of the repair to reconnect the operating machinery to the gate.

Mariners are advised to use extreme caution during this period.

The MV Rock Island can be contacted on channel 14.

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

FOR THE DISTRICT ENGINEER:

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

MR 01-08



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
27 JUNE 2001

Location:
LOCK AND DAM 13
UMR MILE 523.0

Effective Period:
SEE BELOW

In Reply Refer to:
ED-HH - KEVIN LANDWEHR, 309/794-5578
PM-AR - CHARLENE CARMACK, 309/794-5570

WATER LEVEL DRAWDOWN, MISSISSIPPI RIVER LOCK AND DAM 13, UMR MILE 523.0

The Rock Island District of the U.S. Army Corps of Engineers is initiating a modification of its normal regulation plan for Mississippi River Pool 13. This modification will involve lowering the pool level at Lock and Dam 13 by 1.0 foot below the normal summer flat pool elevation of 583.0 feet mean sea level (m.s.l.).

The District was requested to modify its operating plan by the Fish and Wildlife Interagency Committee (FWIC), a group comprised of representatives of Federal and State natural resource agencies having management responsibilities on the Upper Mississippi River System. The purpose of the modification is to stimulate increased production of aquatic and wetland plants for the benefit of fish and wildlife resources.

Initiation of the modification is expected to begin on July 9, 2001. As currently planned, lowering of the pool to the target elevation of 582.0 feet m.s.l. at the dam will take place over an approximate 5-day period. Once the target elevation is reached, the District will attempt to maintain the lower pool elevation for a continuous 30-day period. At the end of the drawdown period, the pool will be gradually returned to the normal summer operating level of 583.0 feet m.s.l. over a period of 5 to 10 days.

This modification is expected to be achieved if river discharges in Pool 13 remain at or above 50,000 cubic feet per second (cfs) throughout the time period indicated above. If the discharge drops below 50,000 cfs and is forecast to continue dropping, the District will return to the normal regulation plan to avoid potential impacts to commercial navigation.

Effects on river levels are expected to be greatest immediately above Dam 13 and should decrease with distance upstream from the dam. Residents and users of Pool 13 from Sabula, Iowa, south to Lock and Dam 13 will experience reduced water levels and increased velocity during this test period. Use of the navigation channel should not be affected by this modification.

Problems are not anticipated, but if any occur contact Kevin Landwehr, ED-HH, 309/794-5578 or Charlene Carmack, PM-AR 309/794-5570. Further information is provided on the reverse side of this Navigation Notice.

FOR THE DISTRICT COMMANDER:

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

MR 01- 09

FACT SHEET

WATER LEVEL DRAWDOWN FOR ENVIRONMENTAL RESTORATION MISSISSIPPI RIVER, POOL 13

INITIATIVE: The Fish and Wildlife Interagency Committee (FWIC) has requested the Rock Island District for a temporary deviation in the regulation plan for Lock and Dam 13 at Fulton, Illinois, to benefit environmental resources. The FWIC requested that the District attempt a 1-foot drawdown below the normal operating band for a continuous 30 day period between the dates of June 15 and August 15, 2001.

ANTICIPATED BENEFITS: The drawdown is expected to increase moist soil plant production, promote sediment oxidation and compaction, and expand the photic zone for submersed vegetation, thereby providing conditions beneficial to fish and wildlife resources in the lower portion of Pool 13. Staff of the Rock Island District and the Environmental Management Technical Center (EMTC) estimated that approximately 440 acres in the lower pool could be dewatered by a 1-foot drawdown at the dam. Additional acreage could indirectly benefit from this action.

LIMITATIONS: In order to avoid closure of the navigation channel, or the need for additional dredging, the drawdown would only be conducted if the flow is between, and forecast to remain between, 50,000 and 110,000 cubic feet per second. Below 50,000 cfs the reliability of the navigation channel would be threatened, above 110,000 cfs open river conditions would prevail. Based on historical flow records, it appears that a continuous 30-day drawdown could be achieved in approximately one out of three years.

AUTHORITY: Because a 1-foot drawdown of Pool 13 would fall outside the authorized operating range for this pool, the District will request permission from MVD to deviate from the authorized operating plan. An Environment Assessment was prepared to address the effects of the proposed action and ensure compliance with NEPA and other applicable environmental laws and regulations. Although initially proposed as a one-time deviation, the potential exists for the drawdown to be implemented on a recurring basis in future years, if expected benefits are realized and no significant adverse effects occur.

OTHER AGENCY INVOLVEMENT: The FWIC's Water Level Management Subgroup, comprised of representatives from the U.S. Fish and Wildlife Service, the Iowa DNR, and Illinois DNR, with support from the Environmental Management Technical Center (EMTC) and participation by local representatives of Non-Government Organizations, formulated the proposal and is the primary point of contact. The Subgroup took the lead in public involvement, contacting local residents, and coordinating with local recreational groups. Representatives of the State resource agencies and EMTC initiated a monitoring program to measure environmental response to the drawdown.

TIME FRAME: The Environmental Assessment (EA) was completed in the spring of 1998. Implementation of the drawdown will be between July 9 and August 9, 2001. If flow conditions in Pool 13 do not allow successful implementation in 2001, it is expected that the drawdown would be attempted again in the following year.

RESULTS: The effects of the drawdown will be monitored by the state and federal resource agencies and the Environmental Management Technical Center. An assessment of the affected acreage and the drawdown's effects on terrestrial and aquatic habitats will be made by the FWIC, who will be responsible for distributing information to all interested parties. Assuming a drawdown is successfully implemented in the summer of 2001, results are not expected to be available until early 2002.

PAST RESULTS: a 1-foot drawdown of Pool 13 was established on June 21, 1998, and was maintained until July 3, 1998 when rising river levels forced the dam out of operation. The dam was returned to operation and the drawdown was re-established on July 11, 1998. On July 17, 1998, the decision was made to discontinue the drawdown due to declining flows. Normal operation of Lock & Dam 13 was resumed on July 21, 1998.



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

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
18 JULY 2001

Location:
UMR MILE 483.0

Effective Period:
SEE BELOW

In Reply Refer to:
OD-MM

**LOCK CLOSURE, LOCK AND DAM 15
MISSISSIPPI RIVER, UMR MILE 483.0**

LOCK AND DAM No. 15, UMR Mile 483.0, main lock chamber, will be closed to all river traffic on 15 August 2001 from 0700 to 1900 hours. The Auxiliary lock chamber will remain open for traffic. The closure is for the purpose of repairing the anchor bars and bushings on #3 miter gate.

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

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

FOR THE DISTRICT ENGINEER:

**JAMES H. BLANCHAR, P.E.
Chief, Operations Division**

MR 01-10



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

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
25 JULY 2001

Location:
**LOCK 19,
UMR MILE 364.1**

Effective Period:
SEE BELOW

In Reply Refer to:
OD-MV

LOCK CLOSURE, MISSISSIPPI RIVER

LOCK 19, UMR MILE 364.1

LOCK No. 19, UMR Mile 364.1, will be closed to all navigation from 0800 to 1600 hours on 9 August 2001 for repair and adjustment of the No. 1 miter gate.

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

FOR THE DISTRICT ENGINEER:

**JAMES H. BLANCHAR, P.E.
Chief, Operations Division**

MR 01-11



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

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
19 SEPTEMBER 2001

Location:
UMR MILE 483.0

Effective Period:
SEE BELOW

In Reply Refer to:
OD-MM

**LOCK CLOSURE, MISSISSIPPI RIVER,
LOCK AND DAM 15, UMR MILE 483.0**

LOCK AND DAM No. 15, UMR Mile 483.0, main lock chamber will be closed to all river traffic on 29 September 2001 from 0700 to 1900 hours.

The Auxiliary Lock Chamber will remain open for traffic during the closure.

The purpose of the closure is to replace the spare gate with the repaired #3 miter gate

Towboat operators are requested NOT to tie up on the upper or lower guide walls during these closure periods.

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

FOR THE DISTRICT ENGINEER:

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

MR 01 - 12



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

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
05 OCTOBER 2001

Location:
**LOCK/DAM12
UMR MILE 556.6**

Effective Period:
SEE BELOW

In Reply Refer to:
CEMVR-OD-MV

REMINDER REMINDER REMINDER REMINDER REMINDER

This is a repeat of Navigation Notice MR01-02 dated 15 Feb. 2001

MISSISSIPPI RIVER

LOCK CLOSURE

LOCK/DAM 12, UMR MILE 556.6

LOCK NO. 12, UMR Mile 556.6, will be closed to all navigation from 0730 on 17 December 2001 through 0730 on 11 March 2002 for the purpose of dewatering the lock to perform major rehabilitation and maintenance work.

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

FOR THE COMMANDER:

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

MR 01- 13



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:	Date:
MISSISSIPPI RIVER	22 OCTOBER 2001

Location:	Effective Period:
SEE BELOW	SEE BELOW

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

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. This year is expected to be an extremely difficult winter navigation season. 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. Double tripping or use of an industry helper boat will be required when the lock is unable to process the first cut of a double due to ice conditions.
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 the entire width of the tow, at break points of the tow, will be required at all locks when ice is present at the lock. Ice conditions at UMR locks may occur as early as 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.

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.

8. At this time, flows on the Mississippi River and its tributaries are 25% or less of the normal flow for this time of the year. National Weather Service long-range forecasts call for below normal temperatures and near normal precipitation for the winter navigation season. If low flow conditions persist, velocities will be minimal leading to ice build up at bends in the river and on submerged training structures. Caution is advised to tow operators during the upcoming winter period. Buildup of ice on both barges and river structures will make movement difficult. Most of the navigation pools are near their lowest levels at the present time and may go slightly lower.

FOR THE DISTRICT ENGINEER

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

MR 01-14

NOTICE TO EDITORS:

This notice is provided as background information for your use in formatting news stories. This notice is not a contract for classified display advertising. For more information call the Rock Island District Public Affairs Office, 309/794-5274



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

Navigation Notice

River:	Date:
MISSISSIPPI RIVER	10 December 2001

Location:	Effective Period:
LOCK 18, UMR MILE 410.4	SEE BELOW

In Reply Refer to:
OD-MV

LOCK CLOSURE, MISSISSIPPI RIVER

LOCK 18, UMR MILE 410.4

LOCK NO. 18, UMR Mile 410.4, will be closed to all navigation from 0800 to 1600 hours on 18 December 2001, and from 0800 to 1600 on 19 December 2001 to replace the strut arms on the #1 and #3 (lower) miter gates.

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

FOR THE DISTRICT ENGINEER:

**George L. Hardison
Chief, Operations Technical
Support Branch**

MR 01-15



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
18 December 2001

Location:
**LOCK AND DAM 15
UMR MILE 483.0**

Effective Period:
SEE BELOW

In Reply Refer to:
OD

MISSISSIPPI RIVER

LOCK AND DAM 15, UMR MILE 483.0

ROCK ISLAND RAILROAD & HIGHWAY DRAWBRIDGE, UMR MILE 482.9

The annual shutdown of the Rock Island Railroad & Highway Drawbridge for maintenance at UMR mile 482.9 will be from 19 December 2001, 0800 hours to 11 March 2002, 0800 hours.

LOCK and DAM 15, UMR mile 483.0 will lock vessels that are of a size to negotiate travel under the bridge as the bridge will be in a stationery position and will not swing open for river traffic.

FOR THE DISTRICT ENGINEER:

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

MR 01-16