

MISSISSIPPI RIVER 1998 NAVIGATION NOTICES

NUMBER	DATE	SUBJECT/LOCATION	EFFECTIVE DATE
MR 98- 01	6-May-98	MAINTENANCE, MISSISSIPPI RIVER LOCK AND DAM 22, UMR MILE 301.8	11-31 May 1998
MR 98- 02	7-MAY-98	LOCK CLOSURE, LOCK AND DAM 14, MISSISSIPPI RIVER, UMR MILE 493.0	15-May-98
MR 98- 03	14-May-98	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK AND DAM 14, UMR MILE 493.2	16-17 Jun 1998
MR 98- 04	15-May-98	SHOALING, MISSISSIPPI RIVER, LOCK AND DAM 22, LOWER APPROACH, UMR MILE 300.3-300.7	
MR 98- 05	2-Jun-98	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK AND DAM 15, UMR MILE 483.0	23-24 June 2006
MR 98- 06	3-Jun-98	DREDGING, MISSISSIPPI RIVER, UMR MILE 300.4-300.8	4-Jun-98 until further notice
MR 98- 07	18-Jun-98	WATER LEVEL DRAWDOWN, MISSISSIPPI RIVER, LOCK AND DAM 13, UMR MILE 523.0	16-Jun-98 until further notice
MR 98- 08	25-Jun-98	CHANNEL CONDITIONS, MISSISSIPPI RIVER, UMR MILES 527.0 – 528.0	24-Jun-98
MR 98- 09	29-Jul-98	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK AND DAM 14, UMR MILE 493.2	11-14 Aug 1998
MR 98- 10	19-Aug-98	LOCK CLOSURES, MISSISSIPPI RIVER, LOCK AND DAM 11, UMR MILE 583.0, LOCK AND DAM 12, UMR MILE 556.7	26-Dec-98 to 15-Feb-99
MR 98- 11	19-Aug-98	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK AND DAM 20, UMR MILE 343.1	15-Dec-98 to 1-Mar-99
MR 98- 12	2-Sep-98	DREDGING, MISSISSIPPI RIVER, BEARDSTOWN, UMR MILE 88.0	2-Sept-98 until further notice
MR 98- 13	2-Sep-98	DREDGING, MISSISSIPPI RIVER, HOGBACK ISLAND, UMR MILE 331.5	3-Sept-98 until further notice
IMR98- 14	4-Sep-98	AMMENDED, LOCK CLOSURES, MISSISSIPPI RIVER, LOCK AND DAM 11, UMR MILE 583.0, LOCK AND DAM 12, UMR MILE 556.7	15-Dec-98 to 15-Feb-99

MISSISSIPPI RIVER 1998 NAVIGATION NOTICES

MR 98- 15	10-Sep-98	DREDGING, MISSISSIPPI RIVER, NORTHEAST MISSOURI POWER, UMR MILE 319.8 – 320.2	10-Sept-98 until further notice
MR 98- 16	28-Sep-98	MISSISSIPPI RIVER, LOCK AND DAM #22, UMR MILE 301.9	
MR 98- 17	1-Oct-98	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK 19, UMR MILE 364.0	15-Dec-98 to 1-Mar-99
MR 98- 18	27-Oct-98	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK AND DAM 14, UMR MILE 493.2	9-Nov-98
MR 98- 19	17-Nov-98	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK 19, UMR MILE 364.0	1-Dec-98
MR 98- 20	1-Nov-98	UPPER MISSISSIPPI RIVER ICE CONDITIONS, UMR MILE 301.2 - 615.1, LEGAL NOTICE TO NAVIGATION	
MR 98- 21	8-Dec-98	CHANNEL CONDITIONS, POOL 15, UMR MILE 486.3	
MR 98- 22	21-Dec-98	WINTER LOCKAGE HOURS, MISSISSIPPI RIVER, LOCKS 13,14,15,16,17,18,21,22	15-Dec-98 to 1-Mar-99



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:	Date:
MISSISSIPPI RIVER	6 MAY 1998

Location:	Effective Period:
LOCK/DAM 22 UMR MILE 301.8	MAY 11-31, 1998

In Reply Refer to:
OD-MM

MAINTENANCE

MISSISSIPPI RIVER LOCK AND DAM 22

UMR MILE 301.8

Maintenance of the upper mooring cell will commence at Lock/Dam 22, UMR Mile 301.8, on May 11, 1998 and continue until May 31, 1998. They will be working from 7:00 a.m. until 7:00 p.m., Monday through Friday.

Mariners are requested not to tie up to the upper mooring cell on the right descending bank. Please contact the lock on channel 14 or the attending boat on channel 13 or 16 for passing instructions.

CAUTION is advised.

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

MR 98-01



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:	Date:
MISSISSIPPI RIVER	7 MAY 1998

Location:	Effective Period:
LOCK/DAM 14 UMR MILE 493.0	15 MAY 1998

In Reply Refer to:
OD-MM

**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 15 May from 1000 to 1600 hours for the purpose of placing riprap along the upper land wall.

Tows of single barge width may be able to pass depending on contractor activities at the time.

Contact the Lockmaster on channel 14 for lockage instructions.

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

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

MR 98-02



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:	Date:
MISSISSIPPI RIVER	14 MAY 1998

Location:	Effective Period:
LOCK AND DAM 14	16/17 JUNE 1998

In Reply Refer to:
OD-MV

**LOCK CLOSURE, MISSISSIPPI RIVER,
LOCK AND DAM 14
UMR MILE 493.2**

LOCK AND DAM No. 14, UMR Mile 493.2 will be closed to all navigation on 16 and 17 June 1998, from 0700 to 1900 hours each day, for replacement of the upper miter gates.

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

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

MR 98-03



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:	Date:
MISSISSIPPI RIVER	15 MAY 1998

Location:	Effective Period:
LOCK AND DAM 22 UMR MILE 483.0	SEE BELOW

In Reply Refer to:
OD-T

SHOALING, MISSISSIPPI RIVER
LOCK AND DAM 22, LOWER APPROACH
UMR MILE 300.3-300.7

Shoaling has developed across the entire channel at the lower approach to Lock and Dam 22, UMR mile 300.3-300.7. Soundings on 14 May 1998 indicate that depths of less than nine feet will be reached at a tail reading of 8.0 at Lock and Dam 22 lower. It is expected to fall to 8.0 on or about 21 or 22 May 1998.

Dredging in this area is scheduled for the last week of May.

CAUTION is advised while transiting the area.

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

MR 98-04



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

Navigation Notice

River:	Date:
MISSISSIPPI RIVER	02 JUNE 1998

Location:	Effective Period:
LOCK AND DAM 15 UMR MILE 483.0	SEE BELOW

In Reply Refer to:
OD-MV

LOCK CLOSURE

MISSISSIPPI RIVER

LOCK AND DAM 15, UMR MILE 483.0

LOCK AND DAM 15 (both main and auxiliary chambers), UMR Mile 483.0, will be closed to all navigation from 0700 to 1900 on 23 June for replacement of anchor bars and bushing on the #1 and #2 miter gates. The main chamber will be closed again from 0700 to 1900 on 24 June, however, the auxiliary chamber will be available.

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

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

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

MR 98-05



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:	Date:
MISSISSIPPI RIVER	03 JUNE 1998

Location:	Effective Period:
LOCK AND DAM 22 LOWER APPROACH UMR MILE 300.4-300.8	SEE BELOW

In Reply Refer to:
OD-T

DREDGING, MISSISSIPPI RIVER

LOCK AND DAM 22, LOWER APPROACH

UMR MILE 300.4-300.8

The dredge Thompson will commence channel maintenance dredging operations at the lower approach to Lock and Dam 22, UMR mile 300.4-300.8, on 4 June 1998. The dredge will be working 24 hours per day, 7 days per week, until further notice.

Mariners are requested to contact the dredge on channel 13 or 16 for passing instructions. The dredge and pipeline will have to be moved off channel to allow transiting of the area. Mariners may experience up to 2 hours delay due to dredging operations.

CAUTION is advised while transiting the area.

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

MR 98-06



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River: MISSISSIPPI RIVER Date: 18 JUNE 1998

Location: LOCK AND DAM 13 Effective Period: SEE BELOW

In Reply Refer to:
ED-HH - KEVIN LANDWEHR, 309/794-5578
PD-E - 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 June 19, 1998. 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, PD-E, 309/794-5570. Further information is provided on the reverse side of this Navigation Notice.

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

MR 98-07

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, 1998.

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 is being 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 has indicated its intent to take the lead in public involvement, contacting local residents, developing a slide presentation, and coordinating with local recreational groups and the media. Representatives of the State resource agencies and EMTC have also initiated efforts to establish a monitoring plan.

TIME FRAME: The EA is scheduled for completion in the spring of 1998. Implementation of the drawdown will be between June 15 and August 15, 1998. If flow conditions in Pool 13 do not allow successful implementation in 1998, 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 1998, results are not expected to be available until early 1999.



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
25 JUNE 1998

Location:
UMR MILES 527.0 – 528.0

Effective Period:
SEE BELOW

In Reply Refer to:
OD-T

CHANNEL CONDITIONS

MISSISSIPPI RIVER

UMR MILES 527.0 – 528.0

In conjunction with the L/D 13 pool drawdown, channel depths between UMR Miles 527.0 – 528.0 have been measured to be 10 feet, mid-channel, and 8 feet along the left descending bank. This was with an upper gauge reading at L/D 13 of 13.3 on June 24, 1998

CAUTION is advised.

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

MR 98-08



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

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
29 JULY 1998

Location:
LOCK AND DAM 14

Effective Period:
SEE BELOW

In Reply Refer to:
OD-MV

**LOCK CLOSURE, MISSISSIPPI RIVER,
LOCK AND DAM 14
UMR MILE 493.2**

LOCK AND DAM No. 14, UMR Mile 493.2 will be closed to all navigation on 11 August 1998, from 10:00 a.m. to 10:00 p.m., and on 12,13,and 14 August 1998 from 7:00 a.m. to 7:00 p.m. each day, for miter gate machinery repair.

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

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

MR 98-09



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

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
19 AUGUST 1998

Location:
SEE BELOW

Effective Period:
SEE BELOW

In Reply Refer to:
OD-MV

**LOCK CLOSURES, MISSISSIPPI RIVER,
LOCK AND DAM 11, UMR MILE 583.0
LOCK AND DAM 12, UMR MILE 556.7**

**LOCK AND DAM No. 11, UMR Mile 583.0, and LOCK AND DAM 12,
UMR Mile 556.7, will be closed to all navigation from 26 December 1998,
0700 hours, until 15 February, 1999, 0700 hours, for lockwall/guidewall
concrete repairs.**

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

**John J. Copeland, P.E.,
Acting Assistant Chief,
Operations Division**

MR 98-10



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

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
19 AUGUST 1998

Location:
L/D 20, UMR MILE 343.1

Effective Period:
SEE BELOW

In Reply Refer to:
OD-MV

**LOCK CLOSURE, MISSISSIPPI RIVER,
LOCK AND DAM 20, UMR MILE 343.1**

LOCK AND DAM No. 20, UMR Mile 343.1, will be closed to all navigation from 15 December 1998, 0700 hours, to 1 March, 1999, 0700 hours, for installation of a lock bubbler system and repair of the lock bulkhead recess.

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

**John J. Copeland, P.E.,
Acting Assistant Chief,
Operations Division**

MR 98-11



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

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
02 SEPTEMBER 1998

Location:
UMR MILE 88.0

Effective Period:
SEE BELOW

In Reply Refer to:
OD-T

**DREDGING, MISSISSIPPI RIVER
BEARDSTOWN,
UMR MILE 88.0**

The dredge Clare Andre will commence channel maintenance dredging operations at Beardstown, UMR mile 88.0, on 2 September 1998. The dredge will be working 24 hours per day, 7 days per week, until further notice.

Mariners are requested to contact the dredge on channel 13 or 16 for passing instructions.

CAUTION is advised while transiting the area.

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

MR 98-12



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

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
02 SEPTEMBER 1998

Location:
UMR MILE 331.5

Effective Period:
SEE BELOW

In Reply Refer to:
OD-T

**DREDGING, MISSISSIPPI RIVER
HOGBACK ISLAND
UMR MILE 331.5**

The dredge William A. Thompson will commence channel maintenance dredging operations at Hogback Island, UMR mile 331.5, on 3 September 1998. The dredge will be working 24 hours per day, 7 days per week, until further notice.

Mariners are requested to contact the dredge on channel 13 or 16 for passing instructions.

CAUTION is advised while transiting the area.

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

MR 98-13



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
04 SEPTEMBER 1998

Location:
SEE BELOW

Effective Period:
SEE BELOW

In Reply Refer to:
OD-MV

AMMENDED AMMENDED AMMENDED AMMENDED AMMENDED

**LOCK CLOSURES, MISSISSIPPI RIVER,
LOCK AND DAM 11, UMR MILE 583.0
LOCK AND DAM 12, UMR MILE 556.7**

**LOCK AND DAM No. 11, UMR Mile 583.0, and LOCK AND DAM 12,
UMR Mile 556.7, will be closed to all navigation from 15 December 1998,
0700 hours, until 15 February, 1999, 0700 hours, for lockwall/guidewall
concrete repairs.**

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

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

MR 98-14



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:	Date:
MISSISSIPPI RIVER	10 SEPTEMBER 1998

Location:	Effective Period:
NORTHEAST MISSOURI POWER, UMR MILE 319.8 – 320.2	SEE BELOW

In Reply Refer to:
OD-T

**DREDGING
MISSISSIPPI RIVER
NORTHEAST MISSOURI POWER
UMR MILE 319.8 – 320.2**

The dredge William A. Thompson will commence channel maintenance dredging operations at Northeast Missouri Power, UMR mile 319.8 – 320.2, on September 10, 1998. The dredge will be working 24 hours per day, 7 days per week, until further notice.

Mariners are requested to contact the dredge on channel 13 or 16 for passing instructions.

CAUTION is advised while transiting the area.

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

MR 98-15



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

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
28 SEPTEMBER 1998

Location:
**LOCK/DAM #22
UMR MILE 301.9**

Effective Period:
SEE BELOW

In Reply Refer to:
OD-MV

**MISSISSIPPI RIVER
LOCK AND DAM #22
UMR MILE 301.9**

Tows are requested to utilize the upper mooring cell at Lock 22, whenever possible, while waiting turns for downbound lockage. The cell, located at UMR Mile 301.9, remains tilted. However, it has been repaired and stabilized. Work consisted of sheet pile repair, grout pumping, and placement of rock around the base.

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

MR 98-16



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

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
01 OCTOBER 1998

Location:
LOCK 19
UMR MILE 364.0

Effective Period:
SEE BELOW

In Reply Refer to:
OD-MV

LOCK CLOSURE, MISSISSIPPI RIVER
LOCK 19
UMR MILE 364.0

Lock 19, UMR Mile 364.0, will be closed to all navigation from 0700 on 15 December 1998 to 0700 on 1 March 1999 for lock repair by Corps of Engineers maintenance crews. Repairs will include miter gate contact block replacement, repair of vertical armor, mooring bits and cable drums, and possible replacement of lifting cables on the upper lift gates.

Tows should NOT tie up on the guidewalls during the closure period.

John J. Copeland, P.E.
Acting Assistant Chief
Operations Division

MR 98-17



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:
MISSISSIPPI RIVER

Date:
27 OCTOBER 1998

Location:
LOCK AND DAM 14

Effective Period:
9 NOVEMBER 1998

In Reply Refer to:
OD-MV

**LOCK CLOSURE, MISSISSIPPI RIVER,
LOCK AND DAM 14
UMR MILE 493.2**

LOCK AND DAM No. 14, UMR Mile 493.2 will be closed to all navigation on 9 November 1998, from 0700 to 1900 hours, for replacement of the miter gate strut arm on the #1 miter gate.

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

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

MR 98-18



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

Navigation Notice

River:	Date:
MISSISSIPPI RIVER	17 NOVEMBER 1998

Location:	Effective Period:
LOCK 19 UMR MILE 364.0	SEE BELOW

In Reply Refer to:
OD-MV

LOCK CLOSURE, MISSISSIPPI RIVER LOCK 19, UMR MILE 364.0

Lock 19, UMR Mile 364.0, will be closed to all navigation from 0700 to 1900 hours on 1 December 1998 for removal of service gate lifting machinery.

Tows should NOT tie up on the guidewalls during the closure period.

**George L. Hardison
Acting Assistant Chief
Operations Division**

MR 98-19



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:	Date:
MISSISSIPPI RIVER	01 NOVEMBER 1998

Location:	Effective Period:
SEE BELOW	SEE BELOW

In Reply Refer to:	
CENCR-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. 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.

FOR THE DISTRICT ENGINEER:

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

MR 98-20



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:	Date:
MISSISSIPPI RIVER	08 DECEMBER 1998

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

In Reply Refer to:
CENCR-OD-T

CHANNEL CONDITIONS

POOL 15, UMR MILE 486.3

This summer three tows reported grounding mid-channel 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. Recent surveys identify isolated sounding 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 unbound tows, will reduce tow boat squat, and lessen the actual draft of vessels.

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

MR 98-21



US ARMY CORPS
OF ENGINEERS
ROCK ISLAND
DISTRICT

Navigation Notice

River:	Date:
MISSISSIPPI RIVER	21 DECEMBER 1998

Location:	Effective Period:
SEE BELOW	SEE BELOW

In Reply Refer to:
CENCR-OD-MV

WINTER LOCKAGE HOURS

MISSISSIPPI RIVER

LOCKS 13,14,15,16,17,18,21,22

Locks 13,14,15,16,17,18,21, and 22 will lock traffic between 0800 and 1600, Monday through Friday only, during the period 15 December 1998 through 1 March 1999. Please contact the lockmaster in advance if lockage is required outside these hours.

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

MR 98-22