2009 - NOTICE TO SHIPPING #5

NIAGARA REGION
WELLAND CANAL

MOORING CERTAIN VESSELS IN LOCK CHAMBERS USING LESS THAN 4 <u>MOORING WIRES</u>

Testing was conducted during the 2007 and 2008 navigation seasons to determine the feasibility of securing upbound vessels between 80 metres and 130 metres in length and downbound vessels 200 metres or less in length in lock chambers using less than four mooring lines. The test also included using soft lines instead of wires for vessels 130 metres or less in length. The feedback received with respect to this testing was overwhelmingly positive and hence this procedure will be in effect for the 2009 navigation season.

Masters/pilots can still request to secure in the lock chambers using 4 mooring lines.

For the 2009 navigation season similar tests using less than four mooring lines will be conducted for upbound vessels up to 150 metres in length. For downbound vessels the procedure will remain the same as during the 2007/2008 navigation season.

The use of soft lines will also be tested for vessels up to 150 metres in length subject to satisfactory performance.

The Operations Centre will confirm with the vessels meeting the above criteria, at CIP 15 upbound and CIP 16 downbound, whether they wish to secure in the lock chambers with the reduced mooring requirements. This information will then be forwarded to the lock crews for compliance.

This procedure will be reviewed on an ongoing basis to ensure that it continues to meet the needs of all interested parties.

For guidance please refer to the attached chart.

John W. Chalmers
Senior Coordinator, Regional Operations Services

St. Catharines, Ontario

March 30, 2009

COMMERCIAL
TIE-UP / CAST-OFF PROCEDURES
30-Mar-09

UPBOUND VESSELS - SECURING:

LOCKS:	VESSEL DIMENSIONS:		SECURING			
			STANDARD	VARIATIONS		
	LENGTH:	BEAM:	4 LINES REQ'D	3 LINES PERMITTED	2 LINES PERMITTED	
1, 2, 3, 4, 5, 6, 7 & 8	> 150m	N/A	YES - Wires Only	NO (Except for Lock 8 if requested - wires only)	NO	
	130m to 150m	N/A	YES - Wires or Soft Lines (use of soft lines is on a test basis subject to satisfactory performance)	YES - If requested. Wires or Soft Lines (use of wires or soft lines is on a test basis subject to satisfactory performance. #2, #1 & #4	NO	
	80m to 130m	N/A	YES - Wires or Soft Lines	YES - If Requested. Wires or Soft Lines #2, #1 & #4	NO	
	< 80m	N/A	NO	YES-Wires or Soft Lines #2, #4 & #1	YES - If requested. Wires or Soft Lines #2 & #3	

UPBOUND VESSELS - CAST OFF:

LOCKS:	VESSEL DIMENSIONS		CAST-OFF			
			STANDARD	VARIATIONS		
	LENGTH:	BEAM:	4 LINES USED	3 LINES USED	2 LINES USED	1 LINE USED
1, 2, 3, 4, 5, 6, 7 & 8	N/A	N/A	GATES CRACK #4 END FULLY OPEN #3, #2 & #1	GATES CRACK #4 END FULLY OPEN #2 & #1	END FULLY OPEN #2 & #3	NO

DOWNBOUND VESSELS - SECURING:

LOCKS:	VESSEL DIMENSIONS		SECURING			
			STANDARD	VARIATIONS		
	LENGTH:	BEAM:	4 LINES REQ'D	3 LINES USED	2 LINES USED	
1, 2, 3, 4, 5, 6, 7 & 8	>200m	N/A	YES-Wires Only	NO (Except for Lock 8 if requested - wires only)	NO	
	150m TO 200m	N/A	YES-Wires Only	YES- If requested. Wires Only #2, #4 & #1	NO	
	130m TO 150m	N/A	YES-Wires or Soft Lines (use of soft lines is on a test basis subject to satisfactory performance)	YES - If requested. Wires or Soft Lines (use of soft lines is on a test basis subject to satisfactory performance) #2, #4 & #1	NO	
	80m TO 130m	N/A	YES-Wires or Soft Lines	YES - If requested. Wires or Soft Lines #2, #4 & #1	NO	
	< 80m	N/A	N0	YES Wires or Soft Lines #2, #4 & #1	YES - If requested. Wires or Soft Lines #2 & #3	

NOTE: 1. MASTER/PILOT MAY REQUEST SHORTENING OF LONG LEAD ON ANY MOORING WIRE PRIOR TO LOWERING
NOTE: 2. THE ABOVE DOES NOT APPLY TO REVERSE MODE IN THE FLIGHT LOCKS

DOWNBOUND VESSELS - CAST OFF:

LOCKS:	VESSEL DIMENSIONS		CAST-OFF			
			STANDARD	VARIATIONS		
	LENGTH:	BEAM:	4 LINES USED	3 LINES USED	2 LINES USED	1 LINE USED
1, 2, 3, 4, 5, 6, 7 & 8	N/A	N/A	GATES CRACK #4 END FULLY OPEN #3, #2 & #1	GATES CRACK #4 END FULLY OPEN #2 & #1	END FULLY OPEN #3 & #2	NO