



**The Great Lakes - St. Lawrence Seaway System**  
*Le réseau Grands Lacs - Voie maritime du Saint-Laurent*

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**2010 - NOTICE TO SHIPPING #3**

NIAGARA REGION  
WELLAND CANAL

**MOORING CERTAIN VESSELS IN LOCK CHAMBERS USING LESS THAN 4 MOORING LINES**

Testing was conducted during the 2007, 2008 and 2009 navigation seasons to determine the feasibility of securing upbound vessels between 80 meters and 150 meters in length and downbound vessels 200 meters or less in length in lock chambers using less than four mooring lines. The tests also included using soft lines instead of wires for vessels 150 meters or less in length. The feedback received with respect to this testing has been overwhelmingly positive and hence this procedure will be in effect for the 2010 navigation season.

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

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 and / or use of wires versus soft lines. 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.**

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St. Catharines, Ontario

March 17, 2010

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**COMMERCIAL**  
**TIE-UP / CAST-OFF PROCEDURES**  
**March 17, 2010**

**Up-bound / Ocean & Inland – Securing:**

Locks:	Vessel Dimensions:		Securing			
			Standard	Available Variations		
Lock 1, 2, 3, 4, 5, 6, 7 & 8	Length:	Beam:	4 Lines Req'd	3 Lines Used	2 Lines Used	
	>150m	N/A	Yes – Wires Only	NO (Except for Lock 8 if requested – wires only)	NO	
	100m to 150m	N/A	Yes – Wires or Soft Lines	Yes - If requested. Wires or Soft Lines #2, #1 & #4	NO	
<100m	N/A	NO	Yes – Wires or Soft Lines #2, #1 & #4	Yes - If requested. Wires or Soft Lines #2 & #3		

**Up-bound / Ocean & Inland – Cast Off:**

Locks	Vessel Dimensions		Cast-Off			
			Standard	Variations		
	Length:	Beam:	4 Lines Used	3 Lines Used	2 Lines Used	
Lock 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	

**Down-bound / Ocean & Inland – Securing:**

Locks	Vessel Dimensions		Securing			
			Standard	Available Variations		
	Length	Beam	4 Lines Used	3 Lines Used	2 Lines Used	
Locks 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	
	100m TO 150m	N/A	Yes – Wires or Soft Lines	Yes - If requested. Wires or Soft Lines #2, #4 & #1	NO	
	<100m	N/A	NO	Yes – Wires or Soft Lines #2, #4 & #1	Yes - If requested. Wires or Soft Lines #2, & #3	

**Down-bound / Ocean & Inland – Cast Off:**

Locks	Vessel Dimensions		Cast-Off			
			Standard	Variations		
	Length:	Beam:	4 Lines Used	3 Lines Used	2 Lines Used	
Lock 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	