

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL	
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person <b>SIMMONS HAROLD C</b>			2. Issuer Name and Ticker or Trading Symbol <b>KRONOS WORLDWIDE INC [ KRO ]</b>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <b>Chairman of the Board</b>			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <b>08/04/2009</b>						
5430 LBJ FREEWAY, SUITE 1700			4. If Amendment, Date of Original Filed (Month/Day/Year)			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person			
(Street)	(City)	(State)	(Zip)						
DALLAS	TX		75240						

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock \$0.01 par value	08/04/2009		P		2,000	A	\$8.3	212,483	D	
Common Stock \$0.01 par value								28,995,021	I	by Valhi <sup>(1)</sup>
Common Stock \$0.01 par value								17,609,635	I	by NL <sup>(2)</sup>
Common Stock \$0.01 par value								79,567	I	by TFMC <sup>(3)</sup>
Common Stock \$0.01 par value								49,856	I	by Spouse <sup>(4)</sup>

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		(A)	(D)	Date Exercisable	Expiration Date				

Explanation of Responses:

- Directly held by Valhi, Inc. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationship to the reporting person.
- Directly held by NL Industries, Inc. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationship to the reporting person.
- Directly held by TIMET Finance Management Company. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationship to the reporting person.
- Directly held by the reporting person's spouse. The reporting person disclaims beneficial ownership of any shares of the issuer's common stock that his spouse holds.

Remarks:

A. Andrew R. Louis, Attorney-in-fact, for  
Harold C. Simmons

08/06/2009

\*\* Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.

Exhibit 99 Additional Information

Valhi, Inc. ("Valhi"), NL Industries, Inc. ("NL"), Harold C. Simmons, TIMET Finance Management Company ("TFMC") and Harold C. Simmons' spouse are the holders of 59

Titanium Metals Corporation ("TIMET") directly owns 100% of the outstanding common stock of TFMC. Valhi Holding Company ("VHC"), Harold C. Simmons' spouse, The Com

Valhi and TFMC are the direct holders of approximately 83.1% and 0.5%, respectively, of the outstanding common stock of NL. VHC, TFMC, the Foundation, Harold C. Sim

Substantially all of Contran's outstanding voting stock is held by trusts established for the benefit of certain children and grandchildren of Harold C. Simmons (th

Harold C. Simmons is the chairman of the board of each of the issuer, Valhi, TIMET, VHC, Dixie Rice and Contran and the chairman of the board and chief executive of

The Foundation directly holds approximately 0.1% of the outstanding shares of TIMET common stock and 0.9% of the outstanding shares of Valhi common stock. The Found

The CMRT directly holds approximately 8.5% of the outstanding shares of TIMET common stock and 0.1% of the outstanding shares of Valhi common stock. Contran sponso

The CDCT directly holds approximately 0.3% of the outstanding shares of TIMET's common stock. U.S. Bank National Association serves as the trustee of the CDCT. C

By virtue of the holding of the offices, the stock ownership and his services as trustee, all as described above, (a) Harold C. Simmons may be deemed to control suc

Harold C. Simmons' spouse is the direct owner of 49,856 shares of Common Stock, 269,775 shares of NL common stock, 21,575,875 shares of TIMET common stock and 200,6

Harold C. Simmons directly holds 212,483 shares of Common Stock, 881,600 shares of NL common stock, 7,779,072 shares of TIMET common stock and 175,228 shares of Val

A trust, of which Harold C. Simmons and his spouse are trustees and the beneficiaries are the grandchildren of his spouse, is the direct holder of 15,432 shares of

NL and a subsidiary of NL directly own 3,604,790 and 1,186,200 shares of Valhi common stock, respectively. Pursuant to Delaware law, Valhi treats the shares of Vall