

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* SIMMONS HAROLD C			2. Issuer Name and Ticker or Trading Symbol KRONOS WORLDWIDE INC [KRO]			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) Chairman of the Board		
(Last) (First) (Middle) 5430 LBJ FREEWAY, SUITE 1700			3. Date of Earliest Transaction (Month/Day/Year) 09/11/2008					
(Street) DALLAS TX 75240			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		
(City) (State) (Zip)								

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	09/11/2008		j ⁽¹⁾		300	A	\$12.39	36,656	I	by Spouse ⁽²⁾
Common Stock \$0.01 par value	09/11/2008		j ⁽¹⁾		700	A	\$12.4	37,356	I	by Spouse ⁽²⁾
Common Stock \$0.01 par value	09/11/2008		j ⁽¹⁾		2,200	A	\$12.5	39,556	I	by Spouse ⁽²⁾
Common Stock \$0.01 par value	09/12/2008		j ⁽¹⁾		100	A	\$12.47	39,656	I	by Spouse ⁽²⁾
Common Stock \$0.01 par value	09/12/2008		j ⁽¹⁾		900	A	\$12.5	40,556	I	by Spouse ⁽²⁾
Common Stock \$0.01 par value	09/15/2008		j ⁽¹⁾		1,200	A	\$12.49	41,756	I	by Spouse ⁽²⁾
Common Stock \$0.01 par value	09/15/2008		j ⁽¹⁾		4,100	A	\$12.5	45,856	I	by Spouse ⁽²⁾
Common Stock \$0.01 par value								152,867	D	
Common Stock \$0.01 par value								28,995,021	I	by Valhi ⁽³⁾
Common Stock \$0.01 par value								17,516,132	I	by NL ⁽⁴⁾
Common Stock \$0.01 par value								5,203	I	by TFMC ⁽⁵⁾

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		Date Exercisable	Expiration Date					

Explanation of Responses:

- Open market purchase by the reporting person's spouse. 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.
- 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.

Remarks:

Exhibit Index Exhibit 99 - Additional Information

A. Andrew R. Louis, Attorney-in-fact, for
Harold C. Simmons 09/15/2008

** 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.

