

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

OMB APPROVAL	
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1. Name and Address of Reporting Person* <u>SIMMONS HAROLD C</u> (Last) (First) (Middle) 5430 LBJ FREEWAY, SUITE 1700 (Street) DALLAS TX 75240 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>KRONOS WORLDWIDE INC [KRO]</u>	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) <input type="checkbox"/> Other (specify below) Chairman of the Board
	3. Date of Earliest Transaction (Month/Day/Year) 02/22/2012	
	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

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	02/22/2012		P		100,000	A	\$22.291 ⁽²⁾	777,940	D	
Common Stock \$0.01 par value	02/22/2012		j ⁽¹⁾		100,000	A	\$22.291 ⁽²⁾	882,876	I	by Spouse ⁽³⁾
Common Stock \$0.01 par value								57,990,042	I	by Valhi ⁽⁴⁾
Common Stock \$0.01 par value								35,219,270	I	by NL ⁽⁵⁾
Common Stock \$0.01 par value								373,334	I	by TFCM ⁽⁶⁾
Common Stock \$0.01 par value								5,372	I	by Contran ⁽⁷⁾

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:

- Open market purchase by the reporting person's spouse.
- The price reported in Column 4 is a weighted average price. These acquisitions involved 118 purchases at prices ranging from \$21.83 to \$22.50 per share. The reporting person undertakes to provide to the issuer, any security holder of the issuer or the U.S. Security and Exchange Commission, upon request, the full information regarding these purchases.
- 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.
- Directly held by Contran Corporation. 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 02/22/2012

** 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

The following persons directly hold the following percentages of the outstanding shares of common stock of Kronos Worldwide, Inc. ("Kronos"):

Valhi, Inc. ("Valhi").....	50.0%
NL Industries, Inc. ("NL").....	30.4%
Annette C. Simmons.....	0.8%
Harold C. Simmons.....	0.7%
TIMET Finance Management Company ("TFMC").....	0.3%
Contran Corporation ("Contran").....	less than 0.1%

Titanium Metals Corporation ("TIMET") is the sole stockholder of TFMC.

The following persons directly hold the following percentages of the outstanding shares of common stock of Valhi:

Valhi Holding Company ("VHC").....	92.6%
TFMC.....	1.9%
Harold Simmons Foundation, Inc. (the "Foundation").....	0.7%
Harold C. Simmons.....	0.4%
Contran Amended and Restated Deferred Compensation Trust ("CDCT").....	0.3%
Annette C. Simmons.....	0.2%
The Combined Master Retirement Trust ("CMRT").....	0.1%
The Annette Simmons Grandchildren's Trust (the "Grandchildren's Trust")	less than 0.1%
Contran.....	less than 0.1%

Except as otherwise indicated, the following persons directly hold the following percentages of the outstanding shares of common stock of TIMET:

VHC.....	23.9%
Annette C. Simmons.....	12.5%
CMRT.....	8.8%
Harold C. Simmons.....	3.2%
Kronos.....	2.4%

Contran.....	2.0%
NL.....	0.8%
Valhi.....	0.5%
Grandchildren's Trust.....	less than 0.1%

NL's percentage ownership of TIMET common stock includes 0.3% directly held by a subsidiary of NL.

The following persons directly hold the following percentages of the outstanding shares of common stock of NL:

Valhi.....	83.0%
Harold C. Simmons.....	2.2%
Annette C. Simmons.....	0.8%
TFMC.....	0.5%
Kronos.....	less than 0.1%

Dixie Rice Agricultural Corporation, Inc. ("Dixie Rice") is the direct holder of 100% of the outstanding shares of common stock of VHC. Contran is the holder of 100% of the outstanding shares of common stock of Dixie Rice.

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 (the "Trusts"), of which Mr. Simmons is the sole trustee, or is held by Mr. Simmons or persons or other entities related to Mr. Simmons. As sole trustee of each of the Trusts, Mr. Simmons has the power to vote and direct the disposition of the shares of Contran stock held by each of the Trusts. Mr. Simmons, however, disclaims beneficial ownership of any shares of Contran stock that the Trusts hold.

The Foundation is a tax-exempt foundation organized for charitable purposes. Harold C. Simmons is the chairman of the board of the Foundation and may be deemed to control the Foundation.

Contran sponsors the CMRT as a trust to permit the collective investment by master trusts that maintain the assets of certain employee benefit plans Contran and related companies adopt. Mr. Simmons is the sole trustee of the CMRT and a member of the trust investment committee for the CMRT. Mr. Simmons is a participant in one or more of the

employee benefit plans that invest through the CMRT.

U.S. Bank National Association serves as the trustee of the CDCT. Contran established the CDCT as an irrevocable "rabbi trust" to assist Contran in meeting certain deferred compensation obligations that it owes to Harold C. Simmons. If the CDCT assets are insufficient to satisfy such obligations, Contran is obligated to satisfy the balance of such obligations as they come due. Pursuant to the terms of the CDCT, Contran (i) retains the power to vote the shares held directly by the CDCT, (ii) retains dispositive power over such shares and (iii) may be deemed the indirect beneficial owner of such shares.

Mr. Harold C. Simmons is chairman of the board of Kronos, Valhi, TIMET, VHC, Dixie Rice and Contran, and chairman of the board and chief executive officer of NL.

By virtue of the offices held, the stock ownership and his services as trustee, all as described above, (a) Mr. Simmons may be deemed to control certain of such entities and (b) Mr. Simmons and certain of such entities may be deemed to possess indirect beneficial ownership of, and a pecuniary interest in, shares of common stock directly held by certain of such other entities. However, Mr. Simmons disclaims such beneficial ownership of, and such pecuniary interest in, such shares beneficially owned, directly or indirectly, by any of such entities, except to the extent of his vested beneficial interest, if any, in the shares the CDCT and the CMRT hold directly.

The reporting person understands that NL, a subsidiary of NL and Kronos directly own 3,604,790 shares, 1,186,200 shares and 574,972 shares, respectively, of Valhi common stock as of the date of this statement. As already stated, Valhi is the direct holder of approximately 83.0% of the outstanding shares of common stock of NL and 50.0% of the outstanding shares of Kronos common stock. As a result of Valhi's direct and indirect ownership of NL, its subsidiary and Kronos, the reporting person further understands that, pursuant to Delaware law, Valhi treats the shares of Valhi common stock that NL, its subsidiary and Kronos own as treasury stock for voting purposes. For the purposes of this statement, such shares of Valhi common stock that NL, its subsidiary and Kronos hold directly are not deemed outstanding.

Annette C. Simmons is the wife of Harold C. Simmons. Mr. Simmons

may be deemed to share indirect beneficial ownership of the shares that his wife holds directly. Mr. Simmons disclaims beneficial ownership of all securities that his wife holds directly. Mrs. Simmons disclaims beneficial ownership of all shares she does not hold directly.

The Grandchildren's Trust is a trust of which Harold C. Simmons and his wife are trustees and the beneficiaries are the grandchildren of his wife. Mr. Simmons, as co-trustee of this trust, has the power to vote and direct the disposition of the shares the trust holds. Mr. Simmons disclaims beneficial ownership of any shares that this trust holds.