

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

POST-EFFECTIVE AMENDMENT NO. 1  
TO  
FORM S-8  
REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

**KRONOS WORLDWIDE, INC.**  
(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction of  
incorporation or organization)

**87-0110150**  
(I.R.S. Employer  
Identification Number)

**Three Lincoln Centre**  
**5430 LBJ Freeway, Suite 1700**  
**Dallas, Texas 75240-2697**  
(Address of Principal Executive Offices) (Zip Code)

**KRONOS WORLDWIDE, INC. 2003 LONG-TERM INCENTIVE PLAN**  
(Full title of the plan)

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**A. Andrew R. Louis**  
**Vice President, Secretary and Associate General Counsel**  
**Kronos Worldwide, Inc.**  
**Three Lincoln Centre**  
**5430 LBJ Freeway, Suite 1700**  
**Dallas, Texas 75240-2697**  
**(972) 233-1700**

(Name and address of agent for service) (Telephone number, including area code, of agent for service)

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer," and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer   
Non-accelerated filer

(Do not check if a smaller reporting company)

Accelerated filer   
Smaller reporting company

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## DEREGISTRATION

The registrant's board of directors terminated the Kronos Worldwide, Inc. 2003 Long-Term Incentive Plan (the "*Plan*") effective June 15, 2012. Accordingly, the registrant hereby deregisters any and all shares of the registrant's common stock, par value \$0.01 per share, registered pursuant to this registration statement that will never be issued or sold under the Plan.

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## SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all the requirements for filing on Form S-8 and has duly caused this Post-Effective Amendment No. 1 to the Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the city of Dallas, Texas on June 26, 2012:

**KRONOS WORLDWIDE, INC.**

By: /s/ A. Andrew R. Louis  
A. Andrew R. Louis  
Vice President and Secretary

Pursuant to the requirements of the Securities Act, this Post-Effective Amendment No. 1 to the Registration Statement has been signed by the following persons in the capacities and on the dates indicated:

Signature	Title	Date
* <u>Harold C. Simmons</u>	Chairman of the Board	June 26, 2012
* <u>Steven L. Watson</u>	Vice Chairman of the Board and Chief Executive Officer (Principal Executive Officer)	June 26, 2012
* <u>C. H. Moore, Jr.</u>	Director	June 26, 2012
* <u>George E. Poston</u>	Director	June 26, 2012
* <u>Glenn R. Simmons</u>	Director	June 26, 2012
* <u>R. Gerald Turner</u>	Director	June 26, 2012
<u>/s/ Gregory M. Swalwell</u> Gregory M. Swalwell	Executive Vice President and Chief Financial Officer (Principal Financial Officer)	June 26, 2012
<u>/s/ Tim C. Hafer</u> Tim C. Hafer	Vice President and Controller (Principal Accounting Officer)	June 26, 2012
*By: <u>/s/ A. Andrew R. Louis</u> A. Andrew R. Louis Attorney-in-Fact		June 26, 2012