

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

FORM 12b-25  
NOTIFICATION OF LATE FILING

NL Industries, Inc

SEC FILE NUMBER: 1-640

Form 10-K  Form 20-F  Form 11-K  Form 10-Q  Form N-SAR

For Period Ended: September 30, 2005

Transition Report on Form 10-K  Transition Report on Form 20-F  
 Transition Report on Form 11-K  Transition Report on Form 10-Q  
 Transition Report on Form N-SAR  
For the Transition Period Ended:

Nothing in this form shall be construed to imply that the Commission has  
verified any information contained herein.

If the notification relates to a portion of the filing checked above, identify  
the Item(s) to which the notification relates: Not applicable

PART I - REGISTRANT INFORMATION

Full Name of Registrant: NL Industries, Inc

Former Name if Applicable: Not Applicable

Address of Principal Executive Office: 5430 LBJ Freeway, Suite 1700  
Three Lincoln Centre  
Dallas, Texas 75240-2697

PART II - RULES 12b-25(b) AND (c)

If the subject report could not be filed without unreasonable effort or expense  
and the registrant seeks relief pursuant to Rule 12b-25(b), the following should  
be completed.

- (a) The reasons described in reasonable detail in Part III of this form  
could not be eliminated without unreasonable effort or expense;
- (b) The subject annual report, semi-annual report, transition report on  
Form 10-K, Form 20-F, 11-K or Form N-SAR, or portion thereof, will be  
filed on or before the fifteenth calendar day following the prescribed  
due date; or the subject quarterly report or transition report on Form  
10-Q, or portion thereof, will be filed on or before the fifth  
calendar day following the prescribed due date; and
- (c) The accountant's statement or other exhibit required by Rule 12b-25(c)

has been attached, if applicable.

PART III - NARRATIVE

State below in reasonable detail the reasons why Forms 10-K, 20-F, 11-K, 10-Q, N-SAR, or the transition report or portion thereof, could not be filed within the prescribed period:

The Registrant has been unable to complete the preparation and review of its Quarterly Report on Form 10-Q for the quarter ended September 30, 2005 ("Quarterly Report") within the required time period due to unanticipated delays in assembling all information and completing all reviews required with respect to such Quarterly Report.

PART IV - OTHER INFORMATION

(1) Name and telephone number of person to contact in regard to this notification:

Greg Swalwell, Vice President, Finance and Chief Financial Officer.  
972-233-1700.

(2) Have all other periodic reports required under Section 13 or 15(d) of the Securities Exchange Act of 1934 or Section 30 of the Investment Company Act of 1940 during the preceding 12 months or for such shorter period that the Registrant was required to file such report(s) been filed? If the answer is no, identify report(s).

Yes  No

(3) Is it anticipated that any significant change in results of operations from the corresponding period for the last fiscal year will be reflected by the earnings statements to be included in the subject report or portion thereof?

Yes  No

If so, attach an explanation of the anticipated change, both narratively and quantitatively, and, if appropriate, state the reasons why a reasonable estimate of the results cannot be made.

NL Industries, Inc. has caused this notification to be signed on its behalf by the undersigned thereunto duly authorized.

Date: November 9, 2005

NL INDUSTRIES, INC.

By: /s/ Greg Swalwell.  
Greg Swalwell  
Vice President, Finance and  
Chief Financial Officer