



121 Crescent St

Address of Principal Executive Office (Street and Number)

Athol, MA 01331

City, State and Zip Code

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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. (Check box if appropriate)

- (a) The reason 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, Form 11-K, Form N-SAR or Form N-CSR, 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 subject distribution report on Form 10-D, 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 why Forms 10-K, 20-F, 11-K, 10-Q, 10-D, N-SAR, N-CSR, or the transition report or portion thereof, could not be filed within the prescribed time period.

The L.S. Starrett Company (the "Company") has determined that it must delay the filing of its Form 10-K for the period ending June 26, 2010 due to delays in implementing the Company's new enterprise resource planning system in North America.

The filing is expected to be within the prescribed 15 day due date.

PART IV — OTHER INFORMATION

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

Francis J. O'Brien	(978)	249-3551
(Name)	(Area Code)	(Telephone Number)

- (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 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.

For fiscal 2009, a \$3.2 million net loss was reported in the Company's Form 10-K for that period. The Company estimates a net loss of approximately \$3.0 million for Fiscal 2010, subject to potential adjustments and completion of the audit.

The L.S. Starrett Company

(Name of Registrant as Specified in Charter)

has caused this notification to be signed on its behalf by the undersigned hereunto duly authorized.

Date September 9, 2010

By /s/ Francis J. O'Brien

Francis J. O'Brien  
Chief Financial Officer

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