

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

SEC FILE NUMBER 001-34223
CUSIP NUMBER 184496

FORM 12b-25

NOTIFICATION OF LATE FILING

(Check one):

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

For Period Ended: 12/31/12

- 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: _____

Read Instructions (on back page) Before Preparing Form. Please Print or Type.
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:

PART I — REGISTRANT INFORMATION

CLEAN HARBORS, INC.

Full Name of Registrant

Former Name if Applicable

42 Longwater Drive

Address of Principal Executive Office (Street and Number)

Norwell, MA 02061

City, State and Zip Code

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 registrant acquired on December 28, 2012 all of the outstanding shares of Safety-Kleen, Inc. and its subsidiaries for approximately \$1.3 billion. The registrant is currently finalizing its financial statements for inclusion in the registrant's Annual Report on Form 10-K for the year ended December 31, 2012, but has experienced delays in completing those financial statements. These delays have resulted primarily from the complexity and extent of work required in light of the size of that acquisition.

SEC 1344 (04-09)

Persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

(Attach extra Sheets if Needed)

PART IV — OTHER INFORMATION

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

James M. Rutledge

(Name)

(781)

(Area Code)

792-5100

(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.

The registrant previously announced its unaudited fiscal year-end 2012 financial results by press release, dated February 20, 2013, a copy of which was furnished as an exhibit to a Form 8-K filed with the Securities and Exchange Commission on February 20, 2013. Such unaudited results reflected various changes in the registrant's results of operation from the previous year, the more significant of which were summarized in the text portion of the press release. The registrant does not expect that the audited financial statements that will be included in its Form 10-K for the year ended December 31, 2012 will reflect any material differences from the results of operation reflected in such unaudited results.

CLEAN HARBORS, INC.

(Name of Registrant as Specified in Charter)

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

Date **March 1, 2013**

By **/s/ James M. Rutledge**

James M. Rutledge, Vice Chairman, President and
Chief Financial Officer

INSTRUCTION: The form may be signed by an executive officer of the registrant or by any other duly authorized representative. The name and title of the person signing the form shall be typed or printed beneath the signature. If the statement is signed on behalf of the registrant by an authorized representative (other than an executive officer), evidence of the representative's authority to sign on behalf of the registrant shall be filed with the form.

ATTENTION

Intentional misstatements or omissions of fact constitute Federal Criminal Violations (See 18 U.S.C. 1001).