FORM 3

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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## INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF **SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| Lefebyre Menrin C  |         |         | . Date of Event<br>Requiring Stater<br>Month/Day/Yea     | ment (             | 3. Issuer Name and Ticker or Trading Symbol CLEAN HARBORS INC [ CLH ] |   |                        |   |  |  |   |  |
|--|---------|---------|--|--------------------|---|---|------------------------|---|--|--|---|--|
|  |         |         | 09/11/2009   | 4                  | Relationship of Reporting Person(s) to Issuer (Check all applicable)  |   |                        |   | 5. If Amendment, Date of Original Filed (Month/Day/Year) |  |   |  |
| NE 21 83 23 W5   |         |         |  |                    | X   | Director Officer (give title below) Executive Vice Pr |                        | 10% Owner Other (specify below)                                   |  | 6. Individual or Joint/Group Filing (Check Applicable Line)  Form filed by One Reporting |   |  |
| (Street)   |         |         |  |                    |   |   |                        |   |  | A Person   |   |  |
| GRIMSHAW<br>————   | A0      | T0H 1W0 |  |                    |   |   |                        |   |  | Form filed by More than One<br>Reporting Person  |   |  |
| (City)   | (State) | (Zip)   |  |                    |   |   |                        |   |  |  |   |  |
| Table I - Non-Derivative Securities Beneficially Owned   |         |         |  |                    |   |   |                        |   |  |  |   |  |
| 1. Title of Security (Instr. 4)  |         |         |  |                    | 2. Amount of Securities<br>Beneficially Owned (Instr. 4)              |   | tr. 4)                 | 3. Ownership<br>Form: Direct (D)<br>or Indirect (I)<br>(Instr. 5) |  | 4. Nature of Indirect Beneficial Ownership<br>(Instr. 5)                                 |   |  |
| Common Stock   |         |         |  |                    | 102,076   |   |                        | D   |  |  |   |  |
| Common Stock <sup>(1)</sup>  |         |         |  |                    | 1,207   |   |                        | D   |  |  |   |  |
| Common Stock <sup>(2)</sup>  |         |         |  |                    | 10,000  |   |                        | D   |  |  |   |  |
| Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) |         |         |  |                    |   |   |                        |   |  |  |   |  |
| 1. Title of Derivative Security (Instr. 4)   |         |         | 2. Date Exercisable and Expiration Date (Month/Day/Year) |                    | 3. Title and Amount of Secur<br>Underlying Derivative Secur<br>4)     |   | rity (Instr. Con<br>or |   | ersion   | 5.<br>Ownership<br>Form:   | 6. Nature of Indirect<br>Beneficial Ownership<br>(Instr. 5) |  |
|  |         |         | Date<br>Exercisable                                      | Expiration<br>Date | Title   | ,   |                        | Amount<br>or<br>Number<br>of<br>Shares                            | Exerci<br>Price of<br>Deriva<br>Securi                   | of<br>itive  | Direct (D)<br>or Indirect<br>(I) (Instr. 5)                 |  |

## **Explanation of Responses:**

- 1. Restricted stock under Performance Based Restricted Stock Plan.
- 2. Restricted Stock issued upon becoming an officer with a 5 year vesting period as to 20% on each annual anniversary commencing 7/31/10.

Marvin G. Lefebvre

09/15/2009

\*\* 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 5 (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.

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