HYDROGEN ENGINE CENTER, INC.

Form 3

March 23, 2007

FORM 3

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

OMB APPROVAL

OMB Number:

Expires: January 31,

2005 verage

3235-0104

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Estimated average burden hours per response... 0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement HYDROGEN ENGINE CENTER, INC. [HYEG] **VANDERBROOK DONALD** (Month/Day/Year) \mathbf{C} 03/14/2007 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 2502 EAST FAIR STREET (Check all applicable) (Street) 6. Individual or Joint/Group Filing(Check Applicable Line) 10% Owner Director _X_ Form filed by One Reporting X_ Officer Other Person (give title below) (specify below) ALGONA, ÂIA Â50511 Form filed by More than One Chief Operating Officer Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 4. Nature of Indirect Beneficial 1. Title of Security 2. Amount of Securities Beneficially Owned Ownership (Instr. 4) Ownership (Instr. 4) Form: (Instr. 5) Direct (D) or Indirect (I) (Instr. 5)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

Persons who 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.

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 Securities Underlying Derivative Security (Instr. 4) | | 4. Conversion or Exercise Price of | 5. Ownership Form of Derivative | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|--------------------|--|----------------------------------|------------------------------------|---|---|
| | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | Derivative Security | Security: Direct (D) or Indirect (I) | |

(Instr. 5)

| Option (right to buy) | (1) | 01/22/2007 | Common Stock | 85,000 | \$ 2.95 | D | Â |
|-----------------------|-----|------------|-----------------|--------|---------|---|---|
| Option (right to buy) | (2) | 03/14/2007 | Common | 35,000 | \$ 3.15 | D | Â |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | |
|---|---------------|-----------|-------------------------|-------|--|
| | Director | 10% Owner | Officer | Other | |
| VANDERBROOK DONALD C 2502 EAST FAIR STREET ALGONA Â IAÂ 50511 | Â | Â | Chief Operating Officer | Â | |

Signatures

/s/ Donald C.
Vanderbrook

**Signature of Reporting

Date

Date

Explanation of Responses:

- * 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).
- These Options were awarded under the company's Incentive Compensation Plan for services as an employee. The options vest immediately as to 20% and 20% per year thereafter until fully vested.
- These Options were awarded under the company's Incentive Compensation Plan for services as an officer and employee. The options vest immediately as to 20% and 20% per year thereafter until fully vested.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential 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 number.

Reporting Owners 2