OCONNELL DESMOND H JR

Form 3

January 10, 2007

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

OMB APPROVAL

OMB Number:

3235-0104

Expires:

January 31, 2005

0.5

Estimated average burden hours per

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF **SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, response... 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 Person *

 OCONNELL DESMOND H JR

(Last) (First)

3155 PORTER DRIVE

(City)

(Instr. 4)

1. Title of Security

Statement

(Month/Day/Year) 01/10/2007

2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol

STEMCELLS INC [STEM]

(Middle)

(Zip)

Person(s) to Issuer

4. Relationship of Reporting

5. If Amendment, Date Original Filed(Month/Day/Year)

(Check all applicable)

(Street)

(State)

_X__ Director 10% Owner Officer Other (give title below) (specify below)

6. Individual or Joint/Group

Filing(Check Applicable Line) _X_ Form filed by One Reporting Person

Form filed by More than One

Reporting Person

PALO ALTO, CAÂ 94304

Table I - Non-Derivative Securities Beneficially Owned

(Instr. 4)

2. Amount of Securities Beneficially Owned

Ownership Form: Direct (D)

or Indirect (I) (Instr. 5)

4. Nature of Indirect Beneficial

Ownership (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)

Title

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 (Instr. 5)

6. Nature of Indirect Beneficial Ownership

Date Exercisable Expiration

Date

Amount or Number of Shares

Derivative Security

Security: Direct (D) or Indirect

(I)

1

(Instr. 5)

Option to Purchase $01/09/2008_{\frac{(1)}{2}} 01/09/2017 \frac{\text{Common}}{\text{Stock}} 20,000 \$ 3.43_{\frac{(1)}{2}} D \hat{A}$

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

OCONNELL DESMOND H JR

3155 PORTER DRIVE PALO ALTO, CAÂ 94304

ÂXÂÂ

Signatures

Desmond H. O'Connell, Jr. by Iris Brest,
Attorney-in-Fact

01/10/2007

**Signature of Reporting Person 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).

Non-employee directors receive an option for 20,000 shares of the Company's common stock on appointment to the Board of Directors.

The option vests one third on each of the first three anniversaries of each such option, and has a strike price equal to the closing price of the stock on the date of appointment. Mr. O'Connell became a member of the Board on January 10, 2006; the closing price of the stock was \$3.44 on that date.

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.

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