

Boston Avenue Capital
 Form 4
 May 24, 2007

FORM 4

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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 Person *
 Boston Avenue Capital

2. Issuer Name and Ticker or Trading Symbol
 EDEN BIOSCIENCE CORP
 [EDEN]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)

(Last) (First) (Middle)
 15 EAST 5TH STREET, SUITE 3200
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 05/22/2007

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

TULSA, OK 74103

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 ___ Form filed by One Reporting Person
 ___X___ Form filed by More than One Reporting Person

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|--|
| | | | Code | V Amount (D) Price | | | |
| Common Stock | 05/22/2007 | | P | 7,466 A \$ 1.0799 | 970,797 | I (1) | see footnote #1 |

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

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.

SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|
| | | | | | | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| | | | | | | Code | V | (A) | (D) |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| Boston Avenue Capital 15 EAST 5TH STREET SUITE 3200 TULSA, OK 74103 | | X | | |
| Yorktown Avenue Capital, LLC C/O T. WAGMAN @ FREDERIC DORWART LAWYERS 124 EAST FOURTH STREET TULSA, OK 74103 | | X | | |
| Value Fund Advisors, LLC 415 SOUTH BOSTON AVENUE 9TH FLOOR TULSA, OK 74103 | | X | | |
| Gillman Charles M 415 SOUTH BOSTON AVE 9TH FLOOR TULSA, OK 74103 | | X | | |

Signatures

Frederic Dorwart 05/24/2007

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(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).
- (1) 270,733 directly owned by Boston Avenue Capital, LLC (Boston); 700,064 directly owned by Yorktown Avenue Capital, LLC (Yorktown).

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Remarks:

This is a joint filing with Value Fund Advisors, LLC (VFA) as the designated filer. Also included in this filing are Boston, YC

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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