Crescenzo Andrew R. Form 4 January 30, 2012

FORM 4

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

Check this box subject to

if no longer 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)

(Last)

Common

Stock, par

value \$0.01

1. Name and Address of Reporting Person * Crescenzo Andrew R.

(Middle)

C/O ENZO BIOCHEM, INC., 527

(First)

MADISON AVENUE

(Street)

NEW YORK, NY 10022

2. Issuer Name and Ticker or Trading Symbol

ENZO BIOCHEM INC [ENZ]

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

01/26/2012

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

5. Relationship of Reporting Person(s) to Issuer

OMB APPROVAL

3235-0287

January 31,

2005

0.5

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Number:

Expires:

response...

Estimated average

burden hours per

(Check all applicable)

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

Senior VP of Finance 6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

(D) or

Indirect (I)

(Instr. 4)

6. Ownership 7. Nature of

Beneficial

Ownership

(Instr. 4)

Form: Direct Indirect

Person

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

Transaction(A) or Disposed of

4. Securities Acquired

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

01/26/2012

Code (D) (Instr. 8)

A

3.

(Instr. 3, 4 and 5) (A)

Amount (D) Price

12,000

Reported Transaction(s) (Instr. 3 and 4)

5. Amount of

Beneficially

Securities

Owned Following

D <u>(1)</u> $64,584 \frac{(2)}{}$

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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. onNumber of Derivative Securities Acquired (A) or Disposed of (D)		ate	7. Title a Amount of Underlying Securities (Instr. 3 a	of ng s	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
				Code V	(Instr. 3, 4, and 5) (A) (D)	Date Exercisable	Expiration Date	or Title Nu of	umber		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Crescenzo Andrew R. C/O ENZO BIOCHEM, INC. 527 MADISON AVENUE NEW YORK, NY 10022

Senior VP of Finance

Signatures

/s/ Andrew R. Crescenzo 01/30/2012

**Signature of Reporting 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).
 - The Reporting Person was granted 12,000 shares of restricted common stock, par value \$0.01 per share ("Common Stock"), of the
- (1) Company on January 26, 2012 in connection with his service as an officer of the Company. The shares will vest in three equal annual installments, beginning on January 26, 2013.
- (2) Includes 7,584 shares of Common Stock held in the Company's 401(k) plan.

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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