

Orphanos Anthony  
Form SC 13D/A  
July 11, 2011

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

**SCHEDULE 13D**  
**Under the Securities Exchange Act of 1934**  
**(Amendment No. 2)\***

**Bion Environmental Technologies, Inc.**

(Name of Issuer)

**Common Stock, \$.0001 Par Value**

(Title of Class of Securities)

**09061Q307**

(CUSIP Number)

**Anthony G. Orphanos**  
**c/o Carret Asset Management LLC**  
**40 West 57th Street, 20th Floor**

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**New York, NY 10019**

(Name, Address and Telephone Number of Person

Authorized to Receive Notices and Communications)

**June 30, 2011**

(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of Rule 13d-1(e), Rule 13d-1(f) or Rule 13d-1(g), check the following box. [X]

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 (the "Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No. **09061Q307**

(1)

Name of Reporting Person:

Anthony G. Orphanos

(2)

Check the appropriate box if a member of a group:

(a)

Not applicable

(b)

(3)

SEC use only

(4)

Source of funds:

PF and OO

(5)

Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

(6)

Citizenship or place of organization

USA

Number of Shares Beneficially Owned by Each Reporting Person With:

(7)

Sole voting power: 3,270,171

(8)

Shared voting power: 696,263

(9)

Sole dispositive power: 3,270,171

(10)

Shared dispositive power: 696,263

(11)

Aggregate amount beneficially owned by each reporting person: 3,966,434

(12)

Check if the aggregate amount in Row (11) excludes certain shares [ ]

Not applicable

(13)

Percent of class represented by amount in row (11): 29.5%

(14)

Type of reporting person: IN

ITEM 1. SECURITY AND ISSUER

(a)

Title of Class of Equity Securities: Common Stock, \$.0001 Par Value

(b)

Name of Issuer: Bion Environmental Technologies, Inc.

(c)

Address of Issuer's Principal Executive Offices:

Box 566 / 1774 Summitview Way

Crestone, Colorado 81131

ITEM 2. IDENTITY AND BACKGROUND

(a)

Name of Person Filing: Anthony Orphanos

(b)

Address of Principal Business Office or, if none, residence:

c/o Carret Asset Management LLC

40 West 57th Street, 20th Floor

New York, NY 10019

(c)

Present occupation or employment and name, principal business and address of any corporation or other organization in which such employment is conducted:

Senior Managing Director

Carret Asset Management LLC

40 West 57th Street, 20th Floor

New York, NY 10019

(d)

Filing person has not during the past five years been convicted in a criminal proceeding.

(e)

Filing person has not during the past five years been a party to a civil proceeding of a judicial or administrative body of competent jurisdiction.

(f)

Citizenship: USA

### ITEM 3. SOURCE AND AMOUNT OF FUNDS OR OTHER CONSIDERATION

All of the Issuer's securities which were acquired by Mr. Orphanos, his IRA, or his wife were paid for using personal funds. All of the Issuer's common shares acquired by clients of Mr. Orphanos were paid for using funds of the clients. The amounts of funds paid for these securities are not provided because these transactions have occurred over a number of years and Mr. Orphanos would have to go to an unreasonable amount of time and expense to provide the amount of funds paid for all of the securities. Mr. Orphanos was already a ten percent shareholder on January 13, 2007, when the Issuer first became a reporting company under Section 12(g) of the Securities Exchange Act of 1934, as amended. He then filed a Form 3 on January 13, 2007 and his first Schedule 13 G on February 7, 2008 which reported his beneficial ownership at those times.

ITEM 4. PURPOSE OF TRANSACTION

All purchases by Mr. Orphanos and by his clients were made for investment purposes.

ITEM 5. INTEREST IN SECURITIES OF THE ISSUER

(a)

Amount Beneficially Owned: 3,966,434 (1)(2)

Percent of Class: 29.5%

(b)

Number of shares as to which such person has:

(i)

sole power to vote or to direct the vote:

3,207,171 (1)

(ii)

shared power to vote or to direct the vote:

696,263 (2)

(iii)

sole power to dispose or to direct the

disposition of:

3,207,171 (1)

(iv)

shared power to dispose or to direct the

disposition of:

696,263 (2)

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(1) Includes 493,563 shares and 112,000 shares underlying options and warrants held directly by Mr. Orphanos and 685,707 shares held in several IRA's. Also includes 1,978,901 common shares owned by certain clients of Mr. Orphanos, over which Mr. Orphanos exercises discretionary authority.

(2) Includes 130,263 shares held jointly with his wife and 566,000 shares underlying warrants held by the Danielle Christine Bassani Trust, of which Mr. Orphanos is a co-trustee.

(c)

During the period since the last Schedule 13D was filed (9/10/10), clients of Mr. Orphanos purchased a total of 159,500 shares of the Issuer in accounts at prices ranging from \$2.45 to \$3.49 per share. In addition, there were 131,840 shares delivered into accounts of clients of Mr. Orphanos.

On March 17, 2011, Mr. Orphanos purchased from the Issuer 46,500 warrants at a price of \$.95 per warrant. Each warrant is exercisable at a price of \$2.25 until December 31, 2015. In addition, on June 1, 2011, Mr. Orphanos purchased from the Issuer 60,000 units at a price of \$2.50 per unit. Each unit consisted of one share of common stock and one warrant, with each warrant entitling the holder to purchase one-half share of common stock at an exercise price of \$3.00 per share.

(d)

Not applicable.

(e)

Not applicable.

ITEM 6. CONTRACTS, ARRANGEMENTS, UNDERSTANDINGS OR RELATIONSHIPS WITH RESPECT TO SECURITIES OF THE ISSUER

Not applicable.

ITEM 7. MATERIALS TO BE FILED AS EXHIBITS

Not applicable.

**SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: July 11, 2011

*/s/ Anthony G. Orphanos*

ANTHONY G. ORPHANOS