WEISBERG ROBERT I

Form 4

December 30, 2009

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

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if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

Check this box

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * WEISBERG ROBERT I

2. Issuer Name and Ticker or Trading

Symbol

ENVIRONMENTAL POWER CORP [(EPG)]

Issuer

5. Relationship of Reporting Person(s) to

(Check all applicable)

(Last)

(First)

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year)

12/29/2009

X_ Director Officer (give title below)

10% Owner Other (specify

C/O ENVIRONMENTAL POWER CORPORATION, 120 WHITE PLAINS ROAD, 6TH FLOOR

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

6. Individual or Joint/Group Filing(Check Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

TARRYTOWN, NY 10591

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

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial (Instr. 4)

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

Code V Amount (D) Price

(A)

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. Transactio Code (Instr. 8)		5. Number of or 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 Amoun Underlying Securiti (Instr. 3 and 4)	
				Code	V		(D)	Date Exercisable	Expiration Date	Title	Amor or Numl of Sh
Stock Appreciation Right (1)	\$ 0.2	12/29/2009		A		15,000		12/29/2009	12/28/2019	Common Stock	15,0

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

WEISBERG ROBERT I

C/O ENVIRONMENTAL POWER CORPORATION
120 WHITE PLAINS ROAD, 6TH FLOOR

Signatures

TARRYTOWN, NY 10591

/s/ Scott E. Pueschel, Attorney-in-Fact for Robert I. Weisberg

12/30/2009

**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).
- The stock appreciation right is fully vested, and may be settled in cash, shares of the Company's common stock or a combination thereof, at the Company's discretion.

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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