DYKSTRA KAREN E

Form 4

October 29, 2004

FORM 4

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

OMB Number: 3235-0287

Estimated average

Expires:

Check this box if no longer subject to

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

January 31,

2005

Section 16. Form 4 or Form 5 obligations may continue.

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

burden hours per response... 0.5

OMB APPROVAL

1(b).

(City)

(State)

(Zip)

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading DYKSTRA KAREN E Issuer Symbol **AUTOMATIC DATA** (Check all applicable) PROCESSING INC [ADP] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner X_ Officer (give title Other (specify (Month/Day/Year) below) below) ONE ADP BOULEVARD 10/29/2004 Corporate Vice President (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting ROSELAND, NJ 07068 Person

| (,) | () | Table 1 - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned | | | | | | | | | |
|-----------------|---------------------|--|-----------------------------------|------------|-----------|--------------|------------------|--------------|--------------|--|--|
| 1.Title of | 2. Transaction Date | 2A. Deemed | 3. | 4. Securit | ties A | cquired | 5. Amount of | 6. | 7. Nature of | | |
| Security | (Month/Day/Year) | Execution Date, if | Transaction(A) or Disposed of (D) | | | Securities | Ownership | Indirect | | | |
| (Instr. 3) | | any | Code (Instr. 3, 4 and 5) | | | Beneficially | Form: Direct | Beneficial | | | |
| | | (Month/Day/Year) | (Instr. 8) | | | | Owned | (D) or | Ownership | | |
| | | | | | | | Following | Indirect (I) | (Instr. 4) | | |
| | | | | | (4) | | Reported | (Instr. 4) | | | |
| | | | | | (A) | | Transaction(s) | | | | |
| | | | Code V | Amount | or (D) | Price | (Instr. 3 and 4) | | | | |
| Common Stock | 10/29/2004 | | S | 1,000 | D | \$ 43.333 | 32,610.785 | D | | | |

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.

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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 | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exerc | cisable and | 7. Title | e and | 8. Price of | 9. Nu |
|-------------|-------------|---------------------|--------------------|-------------|------------|---------------|-------------|------------|----------|-------------|--------|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transaction | orNumber | Expiration D | ate | Amou | nt of | Derivative | Deriv |
| Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Under | lying | Security | Secui |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Securi | ties | (Instr. 5) | Bene |
| | Derivative | | | | Securities | | | (Instr. | 3 and 4) | | Own |
| | Security | | | | Acquired | | | | | | Follo |
| | · | | | | (A) or | | | | | | Repo |
| | | | | | Disposed | | | | | | Trans |
| | | | | | of (D) | | | | | | (Instr |
| | | | | | (Instr. 3, | | | | | | |
| | | | | | 4, and 5) | | | | | | |
| | | | | | | | | | A | | |
| | | | | | | | | | Amount | | |
| | | | | | | Date | Expiration | | or | | |
| | | | | | | | Date | little Num | Number | | |
| | | | | ~ | | | | | of | | |
| | | | | Code V | (A) (D) | | | | Shares | | |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

DYKSTRA KAREN E ONE ADP BOULEVARD ROSELAND, NJ 07068

Corporate Vice President

Signatures

By: James B. Benson (POA on file) 10/29/2004

**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).

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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