

Merk Raymond J.  
Form 4  
August 28, 2009

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
Expires: January 31, 2005  
Estimated average burden hours per response... 0.5

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 \*  
Merk Raymond J.

2. Issuer Name and Ticker or Trading Symbol  
DATATRAK INTERNATIONAL  
INC [DATA]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
6150 PARKLAND BLVD., SUITE 100  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
08/26/2009

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
VP of Finance,CFO & Treasurer

MAYFIELD HEIGHTS, OH 44124

(City) (State) (Zip)

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

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

**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 Ownership (Instr. 4) |
|----------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| Common Shares, without par value |                                      |  |                                | (A) or (D) Price  | 4,639 <sup>(1)</sup>  | 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.**

SEC 1474 (9-02)

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

| 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) |               |                      |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|---------------|----------------------|
|  |  |                                      |  | Code                           | V (A) (D)   | Date Exercisable   | Expiration Date   | Title         | Amount Number Shares |
| Employee Stock Option (Right to Buy)       | \$ 0.37 <sup>(1)</sup>                                 |                                      |  |                                |   | <sup>(2)</sup>   | 08/11/2018  | Common Shares | 40,000               |
| Employee Stock Option (Right to Buy)       | \$ 0.23  | 08/26/2009                           |  | A                              | 172,500   | <sup>(3)</sup>   | 06/09/2019  | Common Shares | 172,500              |

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |                                      |       |
|---|---------------|-----------|--------------------------------------|-------|
|   | Director      | 10% Owner | Officer                              | Other |
| Merk Raymond J.<br>6150 PARKLAND BLVD.<br>SUITE 100<br>MAYFIELD HEIGHTS, OH 44124 |               |           | VP of<br>Finance, CFO &<br>Treasurer |       |

## Signatures

/s/ Raymond J. Merk, by Arthur C. Hall III, his attorney-in-fact, pursuant to Power of Attorney, dated August 10, 2007, on file with the Commission 08/28/2009

\*\*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).
- (1) Beneficial ownership of these securities was reported on a previously filed Form 3, Form 4 or Form 5.
- (2) Options were granted under the Company's 2005 Omnibus Equity Plan in reliance upon the exemption provided by Rule 16b-3. The options become exercisable in 1/3 increments over three years beginning on the first anniversary of the date of grant.
- (3) Options were granted under the Company's 2009 Omnibus Equity Plan in reliance upon the exemption provided by Rule 16b-3. The options vest ratably over a three-year period beginning on the first anniversary of the date of grant.

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.