Doss James Form 4 September 30, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

Number:

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obligations may continue. See Instruction

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 * Doss James | | | 2. Issuer Name and Ticker or Trading Symbol R F INDUSTRIES LTD [RFIL] | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) | | | |
|--|----------|----------|--|---|--|--|--|
| (Last) | (First) | (Middle) | 3. Date of Earliest Transaction | (Chech an approach) | | | |
| | | | (Month/Day/Year) | Director 10% Owner | | | |
| 7610 MIRAMAR ROAD, BUILDING 6000 | | | 09/28/2010 | X Officer (give title Other (specify below) Chief Financial Officer, Sec | | | |
| | (Street) | | 4. If Amendment, Date Original | 6. Individual or Joint/Group Filing(Check | | | |
| | | | Filed(Month/Day/Year) | Applicable Line) | | | |
| SAN DIEGO, CA 92126 | | | | _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person | | | |

| (City) | (State) (Z | (Zip) 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 on(A) or Disposed of (D) (Instr. 3, 4 and 5) | | | 5. Amount of Securities Beneficially Owned Following | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | | |
| | | | Code V | Amount | (A) or (D) | Price | Reported Transaction(s) (Instr. 3 and 4) | | | | |
| Common Stock | 09/28/2010 | | M | 667 | A | \$ 4.5 | 667 | D | | | |
| Common Stock | 09/28/2010 | | S | 667 | D | \$ 7 | 0 | D | | | |
| Common Stock | 09/28/2010 | | M | 2,000 | A | \$ 4.05 | 2,000 | D | | | |
| Common Stock | 09/28/2010 | | S | 2,000 | D | \$ 7 | 0 | D | | | |
| Common Stock | 09/28/2010 | | M | 2,000 | A | \$ 4.49 | 2,000 | D | | | |

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Common 09/28/2010 S 2,000 D \$ 7 0 D Stock

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

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Chief Financial Officer, Sec

(9-02)

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) | | 3 (|
|---|---|--------------------------------------|---|---|---|-------|--|--------------------|---|--|-----|
| | | | | Code V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | |
| Stock Option | \$ 4.5 | 09/28/2010 | | M | | 667 | 10/31/2009 | 10/30/2013 | Common Stock | 667 | |
| Stock Option | \$ 4.05 | 09/28/2010 | | M | | 2,000 | 01/16/2009 | 01/15/2014 | Common Stock | 2,000 | |
| Stock Option | \$ 4.49 | 09/28/2010 | | M | | 2,000 | 01/21/2010 | 01/20/2015 | Common Stock | 2,000 | |

Reporting Owners

Relationships Reporting Owner Name / Address Officer Other Director 10% Owner

Doss James

7610 MIRAMAR ROAD, BUILDING 6000

SAN DIEGO, CA 92126

Signatures

Reporting Person

/s/James Doss 09/30/2010 **Signature of Date

2 Reporting Owners

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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.