FORM 4

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

OMB APPROVAL
OMB 3235Number: 0287
Estimated average

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

burden hours per response...

Amount

Number

Shares

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| (Print or Ty | pe Kesp | olises) | | | | | | | | | | | | 1 | | |
|---|---|--|-----------|---|------------------------------------|-------|--|---|-------------------|--|--|------------|----------------------------------|--|--|--|
| 1. Name and Address of Reporting Person *- Appling Michael JR | | | | 2. Issuer Name and Ticker or Trading Symbol Main Street Capital CORP [MAIN] | | | | | Is | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) | | | | | | |
| (Last) (First) (Middle) 1300 POST OAK BLVD., STE. 800 | | | | 3. Date of Earliest Transaction (Month/Day/Year) 06/15/2011 | | | | | | | | | | pelow) | | |
| (Street) HOUSTON, TX 77056 | | | | 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 Person | | | | | | |
| (City) | | (State) (Z | ip) | Table I | - Non- | Deriv | ative Secur | ities | Acquir | ed, Disposed of | f, or Bei | neficially | Owned | i | | |
| (Instr. 3) Date | | 2. Transaction Date (Month/Day/Year) | Executi | | 3. Transac Code (Instr. 8 | | (A) or Disp | Securities Acquired of (D) or Disposed of (D) astr. 3, 4 and 5) | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | | | Benef | lirect icial ership | | |
| | | | | | Code | V | Amount | or (D) | Price | (Ilisu. 3 and 4) | | (nstr. 4) | | | | |
| Common | Stock | 06/15/2011 | | | J <u>(1)</u> | V | 20.939 | A | \$ 18.32 | 31,661.4536 | D |) | | | | |
| Common | Stock | 06/15/2011 | | | J(1) | V | 191.8979 | A | \$ 18.32 | 31,853.3515 | D |) | | | | |
| Reminder: | | on a separate line for | r each cl | lass of securi | ties ben | | | | | | | | ana | | | |
| | | | | | | i | nformation equired to | n co res | ntained pond u | d to the collec d in this form a unless the form control numbe | are not m displ | t | | 1474 9-02) | | |
| | | Table II | | | | • | | | | ficially Owned | | | | | | |
| 1. Title of | | 3. Transaction | | outs, calls, w A. Deemed | 4. | | 5. | 6 | | | 7. Title a | and 8. | Price of | 9. Number of | 10. | 11. Natur |
| Derivative Security (Instr. 3) | Convers or Exerc Price of Derivati Security | cise (Month/Day/Y | ear) an | xecution Date ry Aonth/Day/Y | Co | de | tion Number of Derivat Securiti Acquire (A) or Dispos of (D) (Instr. 3 | ive les ed ed ed s, | | Day/Year) US | Amount Underlyi Securitie (Instr. 3 | ing Se | erivative ecurity astr. 5) | Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | Security: Direct (D) or Indirect | of Indirec Beneficia Ownersh (Instr. 4) |

Date

Exercisable Date

Expiration

Title

Reporting Owners

| Denouting Owner Name / Address | Relationships | | | | | | |
|--|---------------|-----------|---------|-------|--|--|--|
| Reporting Owner Name / Address | Director | 10% Owner | Officer | Other | | | |
| Appling Michael JR 1300 POST OAK BLVD. STE. 800 HOUSTON, TX 77056 | X | | | | | | |

Signatures

| /s/ Rodger A. Stout as Attorney-in-Fact for Michael Appling, Jr. | 07/15/2011 |
|--|------------|
| 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) The reporting person acquired these shares under a dividend reinvestment plan, pursuant to a dividend reinvestment transaction exempt from Section 16 under Rule 16a-11.

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.