Form 4

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

1. Name and Address of Reporting Person*
   Casar Perez, Alfredo
   (Last) (First) (Middle)
c/o Southern Copper Corporation
11811 North Tatum Blvd., Suite 2500
Phoenix AZ 85028

2. Issuer Name and Ticker or Trading Symbol
   Southern Copper Corporation SCCO

3. Date of Earliest Transaction (Month/Day/Year)
   05/05/10

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

5. Relationship of Reporting Person(s) to Issuer
   (Check all applicable)
   - Director
   - 10% Owner
   - Officer (give title below)
   - Other (specify below)

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

<table>
<thead>
<tr>
<th>Title of Security</th>
<th>Transaction Date</th>
<th>2A. Deemed Execution Date, if any</th>
<th>3. Transaction Code (Instr. 8)</th>
<th>4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)</th>
<th>5. Amount of Securities Beneficially Owned: Direct (D) or Indirect (I)</th>
<th>6. Ownership Form: Direct (D) or Indirect (I)</th>
<th>7. Nature of Indirect Beneficial Ownership</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>05/05/10</td>
<td>A (1)</td>
<td>1200 A</td>
<td>A (2)</td>
<td>1200 D</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.
<table>
<thead>
<tr>
<th>1. Title of Derivative Security (Instr. 3)</th>
<th>2. Conversion or Exercise Price of Derivative Security</th>
<th>3. Transaction Date (Month/Day/Year)</th>
<th>3A. Deemed Execution Date, if any (Month/Day/Year)</th>
<th>4. Transaction Code (Instr. 8)</th>
<th>5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)</th>
<th>6. Date Exercisable and Expiration Date (Month/Day/Year)</th>
<th>7. Title and Amount of Underlying Securities (Instr. 3 and 4)</th>
<th>8. Price of Derivative Security (Instr. 5)</th>
<th>9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)</th>
<th>10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>11. Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
<td>V</td>
<td>(A)</td>
<td>(D)</td>
<td>Date Exercisable</td>
<td>Expiration Date</td>
<td>Title</td>
<td>Amount or Number of Shares</td>
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</table>
FORM 4 (continued)

Reporting Owners

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casar Perez, Alfredo</td>
<td>Director X</td>
</tr>
</tbody>
</table>

SIGNATURES

/s/ Alfredo Casar Perez by his Attorney-In-Fact Fabiola Alvarado
Signature 05/05/10

EXPLANATION OF RESPONSES

* If the form is filed by more than one reporting person, see Instructions 4(b)(v).


(1) Received pursuant to Issuer's Directors' Stock Award Plan for service as a director - exempt transaction under Rule 16b-3(d).

(2) N/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.