

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

1. Name and Address of Reporting Person* <u>JOHNSON CHARLES E II</u> (Last) (First) (Middle) <u>C/O SPX CORPORATION</u> <u>13515 BALLANTYNE CORPORATE PLACE</u> (Street) <u>CHARLOTTE NC 28277</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>SPX CORP [SPW]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>09/01/2006</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> 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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	09/01/2006		s ⁽⁷⁾		500	D	\$53.04	55,632	D	
Common Stock	09/01/2006		s ⁽⁷⁾		300	D	\$53.05	55,332	D	
Common Stock	09/01/2006		s ⁽⁷⁾		800	D	\$53.06	54,532	D	
Common Stock	09/01/2006		s ⁽⁷⁾		200	D	\$53.07	54,332	D	
Common Stock	09/01/2006		s ⁽⁷⁾		700	D	\$53.08	53,632	D	
Common Stock	09/01/2006		s ⁽⁷⁾		2,300	D	\$53.09	51,332	D	
Common Stock	09/01/2006		s ⁽⁷⁾		900	D	\$53.1	50,432	D	
Common Stock	09/01/2006		s ⁽⁷⁾		500	D	\$53.11	49,932	D	
Common Stock	09/01/2006		s ⁽⁷⁾		900	D	\$53.12	49,032	D	
Common Stock	09/01/2006		s ⁽⁷⁾		400	D	\$53.13	48,632	D	
Common Stock	09/01/2006		s ⁽⁷⁾		100	D	\$53.14	48,532	D	
Common Stock	09/01/2006		s ⁽⁷⁾		100	D	\$53.15	48,432	D	
Common Stock	09/01/2006		s ⁽⁷⁾		600	D	\$53.16	47,832	D	
Common Stock	09/01/2006		s ⁽⁷⁾		400	D	\$53.18	47,432	D	
Common Stock	09/01/2006		s ⁽⁷⁾		100	D	\$53.19	47,332	D	
Common Stock	09/01/2006		s ⁽⁷⁾		200	D	\$53.25	47,132	D	
Common Stock	09/01/2006		s ⁽⁷⁾		100	D	\$53.28	47,032	D	
Common Stock	09/01/2006		s ⁽⁷⁾		100	D	\$53.29	46,932	D	
Common Stock	09/01/2006		s ⁽⁷⁾		100	D	\$53.32	46,832	D	
Common Stock	09/01/2006		s ⁽⁷⁾		400	D	\$53.35	46,432	D	
Common Stock	09/01/2006		s ⁽⁷⁾		100	D	\$53.36	46,332	D	
Common Stock	09/01/2006		s ⁽⁷⁾		100	D	\$53.38	46,232	D	
Common Stock	09/01/2006		s ⁽⁷⁾		100	D	\$53.42	46,132	D	
Common Stock								5,000	I	Owned by spouse

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)	4. Deemed Execution Date, if any (Month/Day/Year)	5. Transaction Code (Instr. 8)	6. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	7. Date Exercisable and Expiration Date (Month/Day/Year)	8. Title and Amount of Underlying Derivative Security (Instr. 3 and 4)	9. Price of Derivative Security (Instr. 5)	10. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	11. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	12. Nature of Indirect Beneficial Ownership (Instr. 4)
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 Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
Director Stock Option (right to buy) ⁽¹⁾	\$57.9688					03/20/2000 01/01/2008	Common Stock 2,346		2,346	D	
Director Stock Option (right to buy) ⁽¹⁾	\$57.9688					03/20/2000 04/25/2007	Common Stock 1,844		1,844	D	
Director Stock Option (right to buy) ⁽¹⁾	\$57.9688					03/20/2000 01/03/2009	Common Stock 2,232		2,232	D	
Director Stock Option (right to buy) ⁽¹⁾	\$57.9688					03/20/2000 04/23/2009	Common Stock 716		716	D	
Director Stock Option (right to buy) ⁽¹⁾	\$56.25					11/13/2000 01/02/2010	Common Stock 3,280		3,280	D	
Director Stock Option (right to buy) ⁽¹⁾	\$48.44					07/02/2001 01/01/2011	Common Stock 4,000		4,000	D	
Director Stock Option (right to buy) ⁽¹⁾	\$69.43					07/02/2002 01/01/2012	Common Stock 4,000		4,000	D	
Director Stock Option (right to buy) ⁽¹⁾	\$38.57					07/03/2003 01/02/2013	Common Stock 4,000		4,000	D	
Director Stock Option (right to buy) ⁽¹⁾	\$52					08/25/2004 02/24/2014	Common Stock 3,800		3,800	D	
Phantom Stock ⁽²⁾	(3)					01/01/2006 ⁽⁴⁾ 01/01/2008	Common Stock 1,667		1,667	D	
Phantom Stock ⁽²⁾	(3)					06/23/2006 ⁽⁵⁾ 06/23/2008	Common Stock 132		132	D	
Phantom Stock	(3)					01/01/2007 ⁽⁶⁾ 01/01/2009	Common Stock 2,500		2,500	D	

Explanation of Responses:

- Options granted under the SPX Corporation 1997 Non-Employee Directors Compensation Plan.
- Phantom stock granted pursuant to the SPX Corporation 2005 Non-Employee Directors' Compensation Plan.
- Each share of phantom stock is the economic equivalent of one share of issuer common stock.
- The grant of phantom stock provided for potential vesting in three annual tranches, with the first measurement date on January 1, 2006. Vesting is determined by comparing the issuer's shareholder return with the performance of the S&P 500. Any vested portion will be settled in cash.
- The grant of phantom stock provides for automatic vesting in three equal annual tranches beginning on June 23, 2006, provided that the reporting person is still a director on the relevant vesting date. Any vested portion will settle in cash.
- The grant of phantom stock provided for potential vesting in three annual tranches, with the first measurement date on January 1, 2007. Vesting is determined by comparing the issuer's shareholder return with the performance of the S&P 500. Any vested portion will be settled in cash.
- This sale was effected pursuant to a Rule 10b5-1(c) sales plan adopted by the reporting person on June 12, 2006.

Brian Webb, Attorney In Fact 09/06/2006
for Charles E. Johnson II

** Signature of Reporting Person Date

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

* 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.

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 Number.