

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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hours per response: 0.5Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934
or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Canterna Don Louis SR</u> (Last) (First) (Middle) <u>SPX PROCESS EQUIPMENT</u> <u>611 SUGAR CREEK ROAD</u> (Street) <u>DEHAVAN WI 53115</u> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>08/24/2005</u>	3. Issuer Name and Ticker or Trading Symbol <u>SPX CORP [SPW]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Segment President</u>	5. 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 Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
<u>Common Stock⁽¹⁾</u>	<u>26,779</u>	<u>D</u>	
<u>Common Stock</u>	<u>584</u>	<u>I</u>	<u>401(k) Plan</u>

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
<u>Employee stock option to purchase common stock⁽²⁾</u>	<u>02/14/2000</u>	<u>02/13/2007</u>	<u>Common Stock</u>	<u>470</u>	<u>50.335</u>	<u>D</u>	
<u>Employee stock option to purchase common stock⁽²⁾</u>	<u>01/02/2005</u>	<u>01/01/2012</u>	<u>Common Stock</u>	<u>24,000</u>	<u>69.43</u>	<u>D</u>	
<u>Employee stock option to purchase common stock⁽²⁾</u>	<u>01/02/2004⁽³⁾</u>	<u>01/01/2013</u>	<u>Common Stock</u>	<u>24,000</u>	<u>38.57</u>	<u>D</u>	

Explanation of Responses:

- Grant of restricted stock and restricted stock units pursuant to SPX Corporation 2002 Stock Compensation Plan.
- Granted under the SPX Corporation 2002 Stock Compensation Plan or its predecessor plan, the 1992 Stock Compensation Plan.
- Option vested as to 8,000 shares on 1/2/2004 and 1/2/2005 and will vest as to 8,000 shares on 1/2/2006.

Don Canterna09/06/2005

** 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 5 (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.

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