SPIRENT PLC Form 6-K February 25, 2005

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

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER
PURSUANT TO RULE 13a-16 OR 15d-16
UNDER THE SECURITIES EXCHANGE ACT OF 1934

SPIRENT plc

(Translation of registrant's name into English)

Spirent House, Crawley Business Quarter, Fleming Way, Crawley, West Sussex RH10 9QL, UK.

(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

Form 20-F X Form 40-F....

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes No

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82-

SCHEDULE 11

NOTIFICATION OF INTERESTS OF DIRECTORS AND CONNECTED PERSONS

1. Name of company

SPIRENT PLC

2. Name of director

JOHN WESTON

3. Please state whether notification indicates that it is in respect of holding of the shareholder named in 2 above or in respect of a non-beneficial interest or in the case of an individual holder if it is a holding of that person's spouse or children under the age of 18 or in respect of a non-beneficial

interest

IN RESPECT OF THE DIRECTOR'S HOLDING

4. Name of the registered holder(s) and, if more than one holder, the number of shares held by each of them (if notified)

N/A

5. Please state whether notification relates to a person(s) connected with the director named in 2 above and identify the connected person(s)

N/A

6. Please state the nature of the transaction. For PEP transactions please indicate whether general/single co PEP and if discretionary/non discretionary

ACQUISITION OF ORDINARY SHARES

- 7. Number of shares / amount of stock acquired
- 62,000
- 8. Percentage of issued class
- 0.006%
- 9. Number of shares/amount of stock disposed

N/A

10. Percentage of issued class

N/A

11. Class of security

ORDINARY SHARES OF 3 1/3 PENCE

- 12. Price per share
- 67.25 PENCE
- 13. Date of transaction
- 25 FEBRUARY 2005
- 14. Date company informed
- 25 FEBRUARY 2005

15. Total holding following this notification
1,662,000
16. Total percentage holding of issued class following this notification
0.17%
If a director has been granted options by the company please complete the following boxes.
17. Date of grant
N/A
18. Period during which or date on which exercisable
N/A
19. Total amount paid (if any) for grant of the option
N/A
20. Description of shares or debentures involved: class, number
N/A
21. Exercise price (if fixed at time of grant) or indication that price is to be fixed at time of exercise
N/A
22. Total number of shares or debentures over which options held following this notification
N/A
23. Any additional information
24. Name of contact and telephone number for queries
MICHAEL ANSCOMBE TEL: 01293 767676
25. Name and signature of authorised company official responsible for making this notification

MICHAEL ANSCOMBE

Date of Notification

25 FEBRUARY 2005

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Signatures

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

	LUKE THOMAS
	(Registrant)
Date 25 February 2005	By/s/ Luke Thomas
	(Signature)*