

RIO TINTO PLC
Form 6-K
February 10, 2012

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, DC 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER

PURSUANT TO RULE 13A-16 OR 15D-16 OF

THE SECURITIES EXCHANGE ACT OF 1934

For 9 February 2012

Commission file number: 001-10533

Commission file number: 001-34121

Rio Tinto plc

Rio Tinto Limited

(Translation of registrant's name into English)

ABN 96 004 458 404
(Translation of registrant's name into English)

**2 Eastbourne Terrace
London, W2 6LG, United Kingdom
(Address of principal executive offices)**

**Level 33, 120 Collins Street
Melbourne, Victoria 3000, Australia
(Address of principal executive offices)**

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

Form 20-F Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

Indicate by check mark whether by furnishing the information contained in this Form, the registrant 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-

EXHIBITS

99.1 9 February 2012 Rio Tinto - Earnings release

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrants have duly caused this report to be signed on their behalf by the undersigned, thereunto duly authorised.

Rio Tinto plc
(Registrant)

By /s/ Ben Mathews
Name Ben Mathews
Title Secretary

Date 10 February 2012

Rio Tinto Limited
(Registrant)

By /s/ Ben Mathews
Name Ben Mathews
Title Assistant Secretary

Date 10 February 2012