

SECURITIES AND EXCHANGE COMMISSION

FORM 6-K

Current report of foreign issuer pursuant to Rules 13a-16 and 15d-16 Amendments

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STATOILHYDRO ASA

CIK: **1140625** | IRS No.: **000000000** | Fiscal Year End: **1231**
Type: **6-K** | Act: **34** | File No.: **001-15200** | Film No.: **071294346**
SIC: **2911** Petroleum refining

Mailing Address
*FORUSBEEN 50
STAVANGER Q8 N 4035*

Business Address
*FORUSBEEN 50
STAVANGER NORWAY Q8 N
4035
47 51 99 00 00*

Form 6-K

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Report of Foreign Private Issuer

Pursuant to Rules 13a-16 or 15d-16 of the Securities Exchange Act of 1934

Dated December 10, 2007

STATOILHYDRO ASA

(Exact name of registrant as specified in its charter)

FORUSBEEN 50, N-4035, STAVANGER, NORWAY

(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 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_____

This Report on Form 6-K contains a press release issued by StatoilHydro ASA on December 10, 2007, entitled "Notifiable trading".

Notifiable trading

On behalf of StatoilHydro (OSE:STL, NYSE:STO), DnB NOR has on 10 December 2007 purchased 263,000 shares for use in the group's Share saving plan.

The shares have been acquired at a price of NOK 161.89 per share. Before distribution to the employees, the Share saving plan has 2,328,501 shares.

STATOILHYDRO ASA
(Registrant)

Dated: December 10, 2007

/S/ Eldar Sætre
By: Eldar Sætre
Chief Financial Officer