

SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549

FORM 8-A

FOR REGISTRATION OF CERTAIN CLASSES OF SECURITIES
PURSUANT TO SECTION 12(b) OR 12(g) OF THE
SECURITIES EXCHANGE ACT OF 1934

USEC INC.

(Exact name of registrant as specified in its charter)

DELAWARE

(State of Incorporation or Organization)

52-2107911

(IRS Employer Identification No.)

2 DEMOCRACY CENTER
6903 ROCKLEDGE DRIVE
BETHESDA, MD 20817

(Address of principal executive offices) (Zip code)

If this form relates to the registration of
a class of securities pursuant to Section
12(b) of the Exchange Act and is effective
pursuant to General Instruction A.(c),
please check the following box. []

If this form relates to registration of a
class of securities pursuant to Section
12(g) of the Exchange Act and is effective
pursuant to General Instruction A.(d),
please check the following box. []

Securities Act registration statement file number to which this form relates:

333-57955

(If applicable)

Securities to be registered pursuant to Section 12(b) of the Act:

Title of Each Class to be so Registered

Common stock, par value \$.10 per share

Name of Each Exchange on Which Each Class
is to be Registered

New York Stock Exchange

Securities to be registered pursuant to Section 12(g) of the Act:

None

(Title of Class)

ITEM 1. DESCRIPTION OF REGISTRANT'S SECURITIES TO BE REGISTERED.

The description under the heading "Description of Capital Stock" relating to
the Registrant's Common Stock, par value \$.10 per share, contained in the
Prospectus included in the Registration Statement on Form S-1 (No. 333-57955)
(the "Registration Statement"), filed by the Registrant with the Securities and
Exchange Commission, is incorporated herein by reference.

ITEM 2. EXHIBITS.

1. Certificate of Incorporation of USEC Inc. (Incorporated by reference to Exhibit 3.1 to the Registrant's Registration Statement on Form S-1).
2. Bylaws of USEC Inc. (Incorporated by reference to Exhibit 3.2 to the Registrant's Registration Statement on Form S-1).
3. Specimen common stock certificate (Incorporated by reference to Exhibit 4.1 to the Registrant's Registration Statement on Form S-1).

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SIGNATURE

Pursuant to the requirements of Section 12 of the Securities Exchange Act of 1934, the registrant has duly caused this registration statement to be signed on its behalf by the undersigned, thereto duly authorized.

USEC Inc.

Date July 8, 1998

By /s/ HENRY Z SHELTON, JR.

Name: Henry Z Shelton, Jr.
Title: Vice President and
Chief Financial Officer

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