As filed with the Securities and Exchange Commission on May ___, 2014 Registration No. 333-182000

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

Washing	gton, D.C. 20549	
	FORM S-8	
(POST-EFFECTIV	VE AMENDMENT NO. 1)	
	STATEMENT UNDER THE IES ACT OF 1933	
	SEC INC. rant as specified in its charter)	
Delaware	52-2107911	
(State of incorporation)	(I.R.S. Employer Identification No.)	
6903 R Bethes	ocracy Center cockledge Drive sda, MD 20817 Executive Offices)(Zip Code)	
	avings Program itle of the plan)	
Senior Vice Presiden U 2 Dem 6903 R Bethes	C. Barpoulis at and Chief Financial Officer USEC Inc. accracy Center cockledge Drive da, MD 20817	
(Name and addi	ress of agent for service)	
	1) 564-3200 ling area code, of agent for service)	
Indicate by check mark whether the registrant is a large accel reporting company. See the definitions of "large accelerated file of the Exchange Act. (Check one):		
Large accelerated filer □	Accelerated filer	
Non-accelerated filer □	Smaller reporting company	×
(Do not check if a smaller reporting company)		

EXPLANATORY NOTE

Effective as of April 24, 2013, USEC Inc.'s ("USEC") common stock, par value \$.10 per share, is not an investment option under the USEC Savings Program. A total of 360,813 shares (9,020,339 shares prior to the reverse stock split of 1-for-25 shares approved by shareholders as reported on Form 8- K dated June 27, 2013) of USEC common stock are registered on this registration statement in connection with the USEC Savings Program and remain unissued as of the date hereof. As registration of such shares of USEC common stock is no longer required, USEC, by means of this post-effective amendment, hereby removes from registration such shares.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Post-Effective Amendment to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Bethesda, State of Maryland, on this 7th day of May, 2014. No other person is required to sign this Post-Effective Amendment in reliance upon Rule 478 under the Securities Act of 1933.

USEC INC.

By: /s/ Peter B. Saba

Senior Vice President, General Counsel, Chief Compliance Officer and Corporate Secretary

Peter B. Saba