UNITED STATES SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of Earliest Event Reported):

December 14, 2004

USEC Inc.

(Exact name of registrant as specified in its charter)

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Delaware	1-14287	52-2107911
(State or other jurisdiction of incorporation)	(Commission File Number)	(I.R.S. Employer Identification No.)
2 Democracy Center, 6903 Rockledge Drive, Bethesda, Maryland		20817
(Address of principal executive offices)		(Zip Code)
Registrant's telephone number, including area	code:	(301) 564-3200
	Not Applicable	
Former name of	or former address, if changed since la	ast report
Shook the appropriate how below if the Form 9 K filling is in	standed to simultaneously esticty the	filing chliquian of the registrant under any of the
Check the appropriate box below if the Form 8-K filing is in following provisions:	nterided to simultaneously satisfy the	s ming obligation of the registrant under any of the
 Written communications pursuant to Rule 425 under the Soliciting material pursuant to Rule 14a-12 under the E Pre-commencement communications pursuant to Rule Pre-commencement communications pursuant to Rule 	Exchange Act (17 CFR 240.14a-12) e 14d-2(b) under the Exchange Act (1	

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Item 5.02. Departure of Directors or Principal Officers; Election of Directors; Appointment of Principal Officers.

On December 14, 2004, the employment of William H. Timbers, Jr., President and Chief Executive Officer of USEC Inc. ("USEC"), was terminated. (A copy of the related press release issued by USEC on December 14, 2004 is attached as Exhibit 99.1.) Pursuant to the terms of the Amended and Restated Employment Agreement with Mr. Timbers, effective as of July 29, 2004 (the "Amended and Restated Employment Agreement"), Mr. Timbers was deemed to have resigned as a director of USEC and each of its subsidiaries for which he served as a director as of the date of the termination of his employment with USEC. (A copy of the Amended and Restated Employment Agreement was filed as an exhibit to USEC's Quarterly Report on Form 10-Q for the period ended September 30, 2004.)

USEC intends to engage in a dialogue with Mr. Timbers regarding the terms of his termination. Any dispute between USEC and Mr. Timbers regarding such terms would be subject to arbitration. Subject to the outcome of this dialogue or arbitration process, USEC believes that it is not obligated to provide the payments and benefits required under the Amended and Restated Employment Agreement for a termination of Mr. Timbers' employment without cause (as defined by the Amended and Restated Employment Agreement). However, if it is determined that Mr. Timbers' employment was terminated without cause, USEC estimates that the maximum cash payments that it would have to make to or on behalf of Mr. Timbers would not exceed \$18 million, which, after taking into account amounts previously accrued, would reduce net income, on an after-tax basis, by no more than \$8 million.

James R. Mellor, Chairman of the Board of Directors of USEC, has assumed the responsibilities of President and Chief Executive Officer, effective December 14, 2004. The Board will form a committee to conduct an executive search for a successor President and Chief Executive Officer.

Mr. Mellor, who is 74, has been a director of USEC since 1998. From 1994 until his retirement in 1997, Mr. Mellor served as Chairman and Chief Executive Officer of General Dynamics Corporation, a company engaged in shipbuilding and marine systems, land and amphibious combat systems, information systems, and business aviation businesses. His prior positions at General Dynamics were as President and Chief Executive Officer from 1993 to 1994 and as President and Chief Operating Officer before 1994. Mr. Mellor also serves on the Board of Directors of AmerisourceBergen Corporation, Computer Sciences Corporation, and Net2Phone, Inc. In addition, he serves on the Board of Trustees of the Scripps Research Institute.

In July 2004, USEC and Mr. Mellor entered into a revised Consulting Agreement, which continues to be effective at this time. Under the terms of this agreement, USEC pays Mr. Mellor a fixed amount of \$175,000, and reimburses Mr. Mellor for his reasonable and necessary travel and living expenses in the performance of services under the agreement. A copy of Mr. Mellor's Consulting Agreement was filed as an exhibit to USEC's Quarterly Report on Form 10-Q for the period ended September 30, 2004. USEC anticipates entering into an employment agreement with Mr. Mellor in the near future.

Item 9.01. Financial Statements and Exhibits.

Exhibit Number -- 99.1

Description -- Press release, dated December 14, 2004, issued by USEC Inc. announcing the departure of William H. Timbers, President and Chief Executive Officer of USEC Inc.

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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 hereunto duly authorized.

USEC Inc.

December 20, 2004

By: /s/ Ellen C. Wolf

Name: Ellen C. Wolf

Title: Senior Vice President and Chief Financial Officer

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Exhibit Index

Exhibit No.	Description
99.1	Press release, dated December 14, 2004, issued by USEC Inc. announcing the departure of William H. Timbers, President and Chief Executive Officer of USEC Inc.

December 14, 2004 Charles Yulish (301) 564-3391

Steven Wingfield (301) 564-3354

William H. Timbers Leaves USEC Inc.

— Chairman Mellor Assumes Executive Role —

Bethesda, MD – USEC Inc. (NYSE: USU) announced today that William H. Timbers, president and chief executive officer, is leaving the Company. James R. Mellor, chairman of USEC, has assumed the responsibilities of president and chief executive officer and will continue to be supported by a strong management team.

The Board will form a committee to conduct an executive search for a successor president and chief executive officer. The Board expressed its appreciation to Mr. Timbers for the key role he played in the development and privatization of the Company.

Mr. Mellor has been chairman of USEC for the past six years since the privatization of the Company in 1998. Prior to that time, he served as chairman and chief executive officer of General Dynamics Corporation, a major company engaged in shipbuilding and marine, combat, and information systems, and other business areas. He currently serves on numerous boards of directors, including AmerisourceBergen Corporation, Computer Sciences Corporation, and Net2Phone Inc.

"The Company has transitioned from a government entity to a successful global business and is now moving forward toward a new phase of diversification and growth. We will remain focused on our core business of uranium enrichment and our demonstration of the American Centrifuge, which is expected to be the world's most efficient commercial uranium enrichment technology," Mr. Mellor said. "I look forward to working even more closely with the talented people of USEC in pursuing our goals."

USEC Inc., a global energy company, is the world's leading supplier of enriched uranium fuel for commercial nuclear power plants.