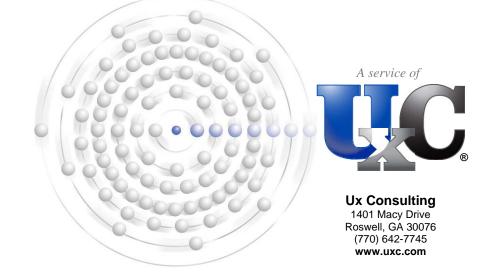
Special Ux Consulting Report

August 2009





Commercial Viability of USEC and ACP Update - 2009



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Also, UxC notes that the ACP is a classified technology program, and UxC has no access whatsoever to any classified information on the ACP. Our technical analysis of the ACP is done completely from information in USEC's own press releases and financial statements.

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Table of Contents

Executive Summary	5
USEC Viability: The Window of Opportunity is Closing	5
ACP Analysis: Untested, Unproven, and Probably Unreliable	5
DOE Loan Guarantee Application Status and Prospects	5
ACP Contracts and USEC Business Segments	6
Strategic Alternatives for USEC's Future	
Conclusions	7
1 – Introduction	8
Overview of the Report	
2 – UxC Update of the American Centrifuge Plant	
Review of ACP Developments	
Update of UxC 2008 Observations In View of ACP Developments	
General 2008 UxC Assessment of the ACP and Latest 2009 Updates	
Reliability and Lead Cascade Testing.	
Manufacturability and Operability	
USEC's Team of Suppliers	
Need for a Systems Integrator	
Cost Schodulo and Drogram	
Schedule and Program Meeting the 2002 DOE Milestones for the ACP Project	
UxC Summary View of Current ACP Status	
3 – DOE's Evaluation of USEC's Loan Guarantee Application	
Technical Issues	
DOE View of ACP Reliability	
Other Centrifuge Experience	
Financial Issues Company Credit Ratings	
Company Credit Ratings Credit Subsidy Costs	
Other Financial Issues	
4 – DOE Deferment of USEC Loan Guarantee Application Review	22
Six Month ACP Machine Testing	
Predicted Outcome	
AREVA's Loan Guarantee Application.	
Where Does USEC End Up?	
5 – Repercussions from Loan Guarantee Delay	36
Near-Term	
Continuation of ACP R&D	
Additional Piketon Cleanup Funds	
Capital Expenditures/ACP Value	
Demobilization Costs	
Credit Ratings	
Withdrawal of 2009 Earnings Guidance	
Long-Term	
6 – USEC's Recent Financial Performance	39
USEC Common Stock	
USEC Historical Earnings	
USEC Debt Structure, Payoff of Senior Notes, and Credit Ratings	
Corporate Credit Ratings	
USEC's Balance Sheet	

Commercial Viability of USEC and ACP Update - 2009

O sale and O sale E such sale as (s. / L'such d') (s.	
Cash and Cash Equivalents / Liquidity	
Uranium and SWU Inventories	
USEC Uranium Inventory as of December 31, 2009 and June 30, 2009 SWU Inventory as of December 31, 2008 and June 30, 2009	
Pension Benefit Liabilities	
Comments on USEC's Recent Financial Performance	
7 – USEC's Business Segments	50
SWU Segment: The Paducah GDP	
TVA Electric Power Contract	
Estimated SWU Production Costs for the Paducah GDP	
SWU Segment: The HEU Agreement	
Separate Commercial Agreement/New Pricing Formula	
Tails Assay Trade Off?	
Estimated HEU Program Forward SWU Prices	
SWU Segment: Liquidation of SWU Inventory	
• • •	
Uranium Segment: Sales, Underfeeding, and Inventory Liquidation	
Uranium Underfeeding	
Recent Uranium Prices / Optimal Tails Assay	
USEC Breakeven Point for Underfeeding	
Amount of Underfeeding in 2008 and 2009 USEC Uranium Sales Forecast	
Government Sales Segment	
ACP as a Business Segment	
USEC's \$3.3 billion of ACP Contracts	
Potential Re-Enrichment of DOE High-Assay Tails	
Content of the Supporting Legislation	
Drivers for a Tails Re-enrichment Program	
 A Proposed DOE/USEC Tails Re-Enrichment Agreement 	(2)
8 – The SWU Market: USEC's Window of Opportunity Is Closing	74
8 – The SWU Market: USEC's Window of Opportunity Is Closing Enrichment Market Without the ACP	74
 8 – The SWU Market: USEC's Window of Opportunity Is Closing	74 76 78
 8 – The SWU Market: USEC's Window of Opportunity Is Closing	74 76 78 79
 8 – The SWU Market: USEC's Window of Opportunity Is Closing	74 76 78 79 79
 8 – The SWU Market: USEC's Window of Opportunity Is Closing	74 76 78 79
 8 - The SWU Market: USEC's Window of Opportunity Is Closing	74 76 78 79 79 81 82
 8 - The SWU Market: USEC's Window of Opportunity Is Closing	74 76 78 79 79 79 81 81 82 82
 8 - The SWU Market: USEC's Window of Opportunity Is Closing	74 76 78 79 79 79 81 81 82 82
 8 - The SWU Market: USEC's Window of Opportunity Is Closing	74 76 78 79 79 79 81 82 82 82 82
 8 - The SWU Market: USEC's Window of Opportunity Is Closing	74 76 78 79 79 79 81 82 82 82 82 82 82 82 82 82 83
 8 - The SWU Market: USEC's Window of Opportunity Is Closing	74 76 78 797979818282828282838383
 8 - The SWU Market: USEC's Window of Opportunity Is Closing Enrichment Market Without the ACP 9 - USEC's Long-Term Profitability and Viability Future SWU Sales. Forecast of USEC's Average Annual SWU Delivered Price Paducah SWU Sales in the Future HEU SWU Sales in the Future SWU Inventory Sales in the Future USEC's Forecasted Net Income Other USEC Sales Major Expenses	74 76 78 79 79 81 82 82 82 82 82 82 82 83 83 83
 8 - The SWU Market: USEC's Window of Opportunity Is Closing	74 76 78 79 79 81 82 82 82 82 82 82 82 83 83 83
 8 - The SWU Market: USEC's Window of Opportunity Is Closing Enrichment Market Without the ACP	74 76 78 79 79 79 81 82 82 82 82 82 82 82 83 83 83 83 83 83 83
 8 - The SWU Market: USEC's Window of Opportunity Is Closing Enrichment Market Without the ACP	74 76 78 7979798182828282838383838383838385
 8 - The SWU Market: USEC's Window of Opportunity Is Closing Enrichment Market Without the ACP	74 76 78 79 79 79 81 82 82 82 82 82 82 82 82 82 83 83 83 83 83 83 83 83 83 83 83
 8 - The SWU Market: USEC's Window of Opportunity Is Closing Enrichment Market Without the ACP	74 76 78 79 79 79 81 82 82 82 82 82 82 82 82 82 83 83 83 83 83 83 83 83 83 83 83 83 83
 8 - The SWU Market: USEC's Window of Opportunity Is Closing Enrichment Market Without the ACP	74 76 78 79 79 79 81 82 82 82 82 82 82 82 82 83 83 83 83 83 83 83 83 83 83 83 83 83
 8 - The SWU Market: USEC's Window of Opportunity Is Closing	74 76 78 79 79 79 81 82 82 82 82 82 82 82 83 83 83 83 83 83 83 83 83 83 83 83 83
 8 - The SWU Market: USEC's Window of Opportunity Is Closing	74 76 78 79 79 79 79 81 82 82 82 82 82 82 82 82
 8 - The SWU Market: USEC's Window of Opportunity Is Closing	74 76 78 79 79 79 79 81 82 82 82 82 82 82 82 82
 8 - The SWU Market: USEC's Window of Opportunity Is Closing Enrichment Market Without the ACP	74 76 78 79 79 79 81 82 82 82 82 82 82 82 83 83 83 83 83 83 83 83 83 83 83 83 83
 8 - The SWU Market: USEC's Window of Opportunity Is Closing Enrichment Market Without the ACP	74 76 78 79 79 79 81 82 82 82 82 82 82 83 83 83 83 83 83 83 83 83 83 83 83 83
 8 - The SWU Market: USEC's Window of Opportunity Is Closing	74 76 78 79 79 79 81 82 82 82 82 82 82 83 83 83 83 83 83 83 83 83 83 83 83 83

Table of Contents

11 – Final Observations and Conclusions

11 – Final Observations and Conclusions	90
12 – Supporting Data and Calculations	91
Data Sheet #1: UxC Forecasted USEC SWU Revenue, Costs, and Gross Margin 2008-2018	
Data Sheet #2: UxC Forecasted USEC Profit & Loss 2008-2018	95
Data Sheet #3: UxC Forecasted USEC SWU Revenue/Costs/Gross Margin 2008-2018 with No Tails Re-Enrichment	
Data Sheet #4: UxC Forecasted USEC Profit & Loss 2008-2018 with No Tails Re-Enrichment	99
Data Sheet #5: UxC Forecasted Worldwide SWU Supply and Demand 2008-2030 with USEC's ACP as Planned	100
Data Sheet #6: UxC Forecasted Worldwide SWU Supply and Demand 2008-2030 with No ACP & Extended Paducah GDP	100
Appendix A – USEC & DOE Press Releases, July 28 & 29, 2009	101
1)USEC Press Release dated July 28, 2009, entitled "DOE Denies USEC's Loan Guarantee Application"	101
2)DOE Press Release dated July 28, 2009, entitled "Department of Energy to Accelerate Cleanup Work While USEC Further Develops ACP Technology"	
3)USEC Press Release dated July 29, 2009, entitled "USEC to Pursue Discussions on Loan Guarantee."	104
4)Letter dated July 29, 2009, from John K. Welch, USEC President and CEO to President Barack Obama	
Appendix B – Joint USEC/DOE Press Release, August 4, 2009	107
Appendix C – Brief History of USEC Since 1998 Privatization	109
Appendix D – USEC's Financial Statistics at August 17, 2009	111
Appendix E – Estimated SWU Purchase Price from Russian HEU	113
Appendix F – Texts of H.R. 2471 and S. 1061	114
Glossary of Terms	118

List of Figures

39
51
55
60
62
75
76
80

List of Tables

Table 1. ACP Budget Confirmed August 2008	22
Table 2. Cumulative ACP Expenditures as of June 30, 2009	23
Table 3. ACP Milestones and Status as Agreed to with DOE	
Table 4. USEC's Historical Earnings vs. Uranium and SWU Prices, 1999-2009	41
Table 5. USEC Debt Structure at June 30, 2009	42
Table 6. USEC's Current Credit Ratings	42
Table 7. USEC's Balance Sheet at June 30, 2009, Dec 31, 2008, and Dec 31, 2007	43
Table 8. Estimated USEC Uranium Inventory at 12/31/08 and 6/30/09	46
Table 9. Estimated Paducah GDP Production Costs per SWU	
Table 10. Estimated USEC Annual Purchase Price for HEU SWU 2009-2013	58
Table 11. Calculation of USEC Breakeven Cost for Underfeeding in 2008	61
Table 12. Quantity of USEC Underfed Uranium in 2008	
Table 13. Quantity of USEC Underfed Uranium in First Six Months of 2009	64
Table 14. UxC Forecast of USEC's Uranium Sales and Gross Margin 2008-2018 ^a	65
Table 15. USEC's Government Sales	66
Table 16. Forecasted Sales for USEC Government Sales Segment 2009 -2010	67
Table 17. Forecasted ACP Sales, Costs, Margins 2009-2018	68
Table 18. ACP SWU Supplies, As Originally Planned, Included in SWU Supply/Demand Chart	75
Table 19. Forecast of USEC's Average Annual Delivered SWU Price, 2009-2018	81
Table 20. USEC Net Income Forecast, 2008-2018	
Table 21. Ranking of Suggested USEC Strategic Alternatives	86
Table 22. UxC Forecasted USEC SWU Revenue, Costs, and Gross Margin, 2008-2018	91
Table 23. UxC Forecasted USEC Profit & Loss, 2008-2018	
Table 24. UxC Forecasted USEC SWU Revenue/Costs/Gross Margin 2008-2018 with No Tails Re-Enrichment	t.98
Table 25. UxC Forecasted USEC Profit & Loss 2008-2018 with No Tails Re-Enrichment	99
Table 26. UxC Forecasted Worldwide SWU Supply & Demand 2008-2030 with USEC's ACP as Planned	.100
Table 27. UxC Forecasted Worldwide SWU Supply & Demand 2008-2030 with No ACP & Extended Paducah	
GDP	
Table 28. Russian HEU Pricing Formula for 2008-2013	.113

1 – Introduction

In January 2008, The Ux Consulting Company, LLC (UxC) published the third report in our series of viability assessments of the United States Enrichment Corporation (USEC) along with an update to a previous UxC study on USEC's American Centrifuge Project (ACP). Over a year and a half has passed since these reports were issued, and a number of significant events have occurred that are having both positive and negative impacts on the near and long-term viability of USEC. Recent turbulent events involving whether or not the U.S. Department of Energy (DOE) would award a \$2.0 billion loan guarantee to help finance the completion of the ACP project has raised concerns about USEC's viability, especially among interested parties in the nuclear industry, investment community, and policy world.

USEC also has other fundamental business issues that it is facing, besides the intricacies of the ACP project. USEC's business will be strongly impacted by the level of the uranium market price, the end of the Russian high enriched uranium (HEU) agreement in 2013, and the need to renegotiate a new power contract with the Tennessee Valley Authority (TVA) after the current contract expires in May of 2012. USEC also has to manage a massive downsizing of its structure and market presence after the end of the HEU agreement, when it will go from a company selling 12-13 million Separative Work Units (SWU) per year (approximately \$1.8 billion in revenue) to one selling 3.5-4.0 million SWU per year (approximately \$750 million in revenue). Moreover, these changes will all be occurring while the company is being buffeted by the winds of rapid movements caused by its competitors and a volatile uranium market.

This report builds on the January 2008 report by analyzing and reviewing how these issues are impacting USEC's financial performance and how they will likely influence the company's long-term outlook. In addition, as a follow-on to our 2006 and 2008 ACP analyses, this report also presents an in-depth review of the ACP project as it stands today. Our findings for the ACP project are troublesome and lead us to a number of conclusions and strategic alternatives that we believe USEC should be considering. We also discuss the activities of USEC's competitors and how their rapid SWU capacity expansions could be closing the door on USEC's future options in the global uranium enrichment market. In the end, we look at USEC's situation as we see it from the results of our technical, financial, and market analysis, and offer some possible future scenarios.

Overview of the Report

This report is a comprehensive, updated review of the current status and future prospects for USEC as a company, especially in light of the July 28 DOE announcement regarding its initial evaluation of USEC's \$2.0 billion loan guarantee application for completion of the ACP project. The DOE had technical and financial concerns with the ACP technology and with USEC's financial wherewithal to repay such a large loan and did not award a loan guarantee to USEC. Instead, DOE offered USEC \$45 million to continue ACP testing for 12-18 months. Although the DOE initially requested USEC to withdraw its loan guarantee application, the DOE reversed that request and has allowed USEC another six months or so to further test the ACP technology. At the end of the additional ACP testing, the DOE will re-evaluate the USEC application. All of this has resulted in delays in the ACP program (on top of delays that were already inherent in the program execution) that will impact USEC's timely commercialization of the ACP. In this report, we discuss USEC's current situation stemming from the DOE's recent actions and the impact this, and other business items, will have on USEC's future as an on-going concern. This report is structured as follows:

In **Chapter 2 – UxC Update of the American Centrifuge Plant**, we look at the progress of the USEC American Centrifuge Plant project since our last report of January 2008. USEC's many announcements on ACP events since January 2008 are listed and analyzed for insights into technical progress. We also look closely at the progress on milestones jointly established by USEC and the DOE in 2002 that were created to mark key and timely events in the commercialization of the ACP. Our findings are telling and interesting, not only about the progress made on the ACP but also about the manner in which the ACP was launched and later managed by USEC.

In **Chapter 3 – DOE's Evaluation of USEC's Loan Guarantee Application,** we construct an in-depth analysis of what we think were the technical and financial issues with the ACP project and with USEC that caused the DOE initially to deny a loan guarantee for the ACP project. After an initial request for USEC to withdraw its loan guarantee application, the DOE reversed its position one week later and agreed to allow USEC an additional six months or so to further test the ACP machines for readiness for commercial startup.

In **Chapter 4 – DOE Deferment of USEC Loan Guarantee Application Review**, we analyze this DOE deferment of a review of USEC's loan guarantee application for six months (or longer), and we make a prediction, not only on the outcome of a loan guarantee, but also on the more comprehensive outlook for what this means for USEC.

Chapter 5 – Repercussions from Loan Guarantee Delay discusses the obvious and potential consequences of even a six-month delay for USEC in getting a DOE loan guarantee and the possibility of a longer delay.

Chapter 6 – **USEC's Recent Financial Performance** reviews and analyzes the movements in USEC's stock price, the basis of its recent earnings, USEC's debt structure, and key items on its balance sheet, including USEC's rapid reduction in cash over the last 9-12 months. We look closely at USEC's uranium and SWU inventories and why it is important to understand how USEC accounts for these inventories.

In **Chapter 7 – USEC's Business Segments**, we delve deeply into USEC's sources of revenue and their costs and margins to ascertain if USEC will have the where-withal to sustain itself as an on-going, private corporation through at least 2018.

Since USEC does not operate in a vacuum, in **Chapter 8 – The SWU Market: USEC's Window of Opportunity Is Closing,** we take an over-arching view of the SWU market today and in the future from both the supply and demand sides, and analyze where USEC might fit in this market with or without an ACP facility. The current activities of USEC's competitors are critically important to USEC's future position in the market, and we explore these in some depth in this chapter.

Making assumptions about USEC's sources of revenues and costs, we then analyze its long-term profitability through 2018 in **Chapter 9** – **USEC's Long-Term Profitability and Viability.** Power costs to run the Paducah gaseous diffusion plant and purchase price costs for SWU under the HEU agreement are critical to this analysis. USEC's non-SWU sources of income are also comprehensively explored.

Lastly, the report examines a number of potential strategic alternatives that could be available to USEC. **Chapter 10 – Strategic Alternatives** examines several strategic options for USEC and ranks them by probability of occurrence and benefit to USEC. Some alternatives provide better outcomes than others, and some are more under USEC's control than others.

Chapter 11 – Final Observations and Conclusions wraps up the report with some final words on USEC's latest predicament regarding a delay in a DOE loan guarantee and also with issues in the ACP program itself.

In **Chapter 12 – Supporting Data and Calculations**, we include detailed data spreadsheet analyses for USEC's sources of revenue and its future profit and loss comparisons based on UxC's expert judgments.

A number of useful reference items are also included in the attached **Appendices** and **Glossary of Terms** at the end of this document.

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