

World Nuclear Fuel Cycle Conference (WNFC 2019)

Miami, Florida, USA
9 – 11 April 2019

ISBN: 978-1-7138-0809-1

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2019) by Nuclear Energy Institute
All rights reserved.

Printed with permission by Curran Associates, Inc. (2020)

For permission requests, please contact Nuclear Energy Institute
at the address below.

Nuclear Energy Institute
1201 F St., NW, Suite 1100
Washington, DC 20004-1218
USA

Phone: (202) 739-8000
Fax: (202) 785-4019

www.nei.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

TOTAL U.S. NUCLEAR PLANT GENERATING COSTS	1
<i>M. Korsnick</i>	
BUILDING THE FUTURE OF ENERGY	6
<i>D. Bost</i>	
SECURITY OF SUPPLY POLICY ON THE EXAMPLE OF EURATOM	11
<i>D. Kozak</i>	
UTILITY FUEL PROCUREMENT STRATEGIES	22
<i>N/A</i>	
CNNC'S ROLE IN THE NUCLEAR FUEL CYCLE	28
<i>C. Liu</i>	
NAVIGATING US TRADE LAW AND SUPPLY CHAIN SECURITY	36
<i>N. Fischer</i>	
FUEL BURNUP AND ENRICHMENT LIMIT EXTENSION UPDATE	42
<i>F. Smith</i>	
NEXT GENERATION FUELS	50
<i>D. Fletcher</i>	
LIQUID NUCLEAR FUEL: CHALLENGES AND OPPORTUNITIES	61
<i>R. Rickman</i>	
A DECADE IN REVIEW: STRUCTURAL CHANGES IN THE NUCLEAR FUEL MARKETS	65
<i>A. Bryndza</i>	
VIMY: THE BEST LAND POSITION IN “THE ATHABASCA DOWN UNDER”	75
<i>M. Young</i>	
WHEELER RIVER: PHOENIX HAS POTENTIAL TO BE LOWEST COST URANIUM MINING OPERATION THIS CYCLE	95
<i>N/A</i>	
EXPANDING THE SUPPLY CAPACITY OF THE LANCE PROJECT VIA LOW PH ISR	103
<i>W. Heili</i>	
DELIVERING A COMPETITIVE ECONOMIC OUTCOME FOR NEW NUCLEAR	119
<i>M. Caplan</i>	
ROSATOM IN CHANGING ENVIRONMENT	125
<i>I. Sesyutchenkov</i>	
NUCLEAR FUEL CYCLE FACILITIES IN BRAZIL: PROSPECTS AND CHALLENGES	132
<i>C. Costa</i>	
GLOBAL NUCLEAR PERFORMANCE AND HARMONY VISION	155
<i>P. Costes</i>	
IDENTIFYING, EVALUATING, AND MITIGATING COMPLEX RISKS IN INTERNATIONAL TRANSPORT OF SPENT NUCLEAR FUEL	167
<i>D. Osborn</i>	
INNOVATIVE TECHNOLOGY FOR THE DISPOSAL OF SPENT NUCLEAR FUEL AND OTHER HIGH-LEVEL WASTE	176
<i>R. Baltzer</i>	
CONSOLIDATED INTERIM STORAGE	183
<i>N/A</i>	
MINERAL RESOURCES IN A LOW-CARBON FUTURE	190
<i>L. Grancea</i>	
THE PRIVATIZATION OF KAZATOMPROM	198
<i>R. Rizvi</i>	
SUPPLY DISCIPLINE IN THE URANIUM MARKET WNEC	204
<i>N/A</i>	
THE URANIUM EDGE THE ROLE OF INVESTMENT FUNDS	209
<i>B. Munro</i>	
Author Index	