

**JOINT U.S. - RUSSIAN WORKSHOP/DEMONSTRATION OF CRYSTALLINE  
POROUS SILICA "GUBKA" APPLICATIONS  
CINCINNATI, OHIO - JUNE 19-21, 2001  
IDAHO FALLS, IDAHO - JUNE 25-29, 2001**

**Russian Delegation:**

Albert Aloy, V.G. Khlopin Radium Institute  
Alexandre Anshits, Institute of Chemistry & Chemical Technology, Siberian Branch of RAS  
Olga Charonova, Institute of Chemistry & Chemical Technology, Siberian Branch of RAS  
Alexandre Tretiakov, Mining and Chemical Combine

**U.S. Delegation:**

Jenya Macheret, U.S. Department of Energy, DOE  
Dieter Knecht, Idaho National Engineering and Environmental Laboratory  
Troy Tranter, Idaho National Engineering and Environmental Laboratory  
Terry Todd, Idaho National Engineering and Environmental Laboratory  
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**Interpreters:**

Serguei Silichtchev, Thomas E. Albert and Associates, Inc.  
Kevin Kelly, Thomas E. Albert and Associates, Inc.

**CINCINNATI, OHIO, JUNE 19-21, 2001**

**AGENDA**

**Tuesday, June 19**

9:00 a.m. – 10:00 a.m.	Workshop Welcome and Introductions (Amerisuites meeting rooms, Forest Park and Hamilton)
9:30 a.m. – 10:30 a.m.	Site Overviews <ul style="list-style-type: none"><li>- US (DOE-NMFA and Fernald)</li><li>- Russian</li></ul>
10:30 a.m. – 11:00 a.m.	Break
11:00 a.m. – 12:00 p.m.	Description of Gubka Technology
12:00 p.m. – 1:00 p.m.	Lunch
1:00 p.m. – 2:00 p.m.	Gubka Testing at INEEL and Russia
2:00 p.m. – 4:00 p.m.	Fernald Deployment/Experience with Gubka <ul style="list-style-type: none"><li>- Need/Challenge</li><li>- Application</li><li>- Waste characterization/acceptance</li><li>- Results to date</li><li>- Environmental compliance</li></ul>
4:00 p.m. – 5:00 p.m.	Questions and answers and meeting summary

**Wednesday, June 20**

9:00 a.m. – 12:00 p.m.	Potential DOE complex needs/applications of Gubka Liquid technical standards
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	- Laboratory wastes
	- Informal discussion on Gubka applicability
12:00 p.m. – 1:00 p.m.	Lunch
1:00 p.m. – 3:00 p.m.	Other Russian Technologies
	- Modified Gubka for Ion Exchange
	- Sludge Treatments
3:00 p.m. – 4:00 p.m.	Commercialization opportunities
6:00 p.m. – 8:00 p.m.	Evening discussions/reception

**Thursday, June 21**

9:00 a.m. – 9:30 a.m.	Arrive at Fernald and Badge-In
9:30 a.m. – 10:30 a.m.	Welcome, Introductions and Summary of Progress
10:30 a.m. – 11:30 a.m.	Lab Tour for Russian scientists
11:30 a.m. – 12:00 p.m.	Depart Fernald/Badge-Out
12:00 p.m. – 1:30 p.m.	Lunch and return to hotel conference room
1:30 p.m. – 4:00 p.m.	Development of the Record of Meeting

**IDAHO FALLS, IDAHO, JUNE 25-29, 2001**

**Monday, June 25**

9:00 a.m. – 9:30 a.m.	Welcome and preliminary discussions
9:30 a.m. – 11:30 a.m.	Radiochemistry Lab waste solution treatability study tests
11:30 a.m. - 1:00 p.m.	Lunch
1:00 p.m. – 3:30 p.m.	Test results discussion including waste acceptance issues

**Tuesday, June 26**

9:00 a.m. – 9:15 a.m.	Welcome and introductions-DOE-ID, NMFA, BBWI (Willard Arts Center Conference Room)
9:15 a.m. – 10:00 a.m.	Russian site overviews
10:00 a.m. – 11:00 a.m.	Summarize recent progress on Gubka solution stabilization testing, including ion exchange applications
12:00 p.m. – 1:00 p.m.	Lunch
1:00 p.m. – 2:00 p.m.	Summarize Gubka application to stabilize radioactive solutions at Fernald
2:00 p.m. – 4:00 p.m.	Commercialization opportunities-open discussion with all

**Wednesday, June 27**

9:00 a.m. – 10:00 a.m.	Hydrogen getter needs
10:00 a.m. – 11:00 a.m.	Hydrogen getter test progress
11:00 a.m. – 12:00 p.m.	Potential Gubka hydrogen getter applications-Anshits
12:00 p.m. – 1:00 p.m.	Lunch
1:00 p.m. – 1:45 p.m.	Lab Tour
1:45 p.m. – 3:00 p.m.	Seminar of Russian Gubka technology Idaho Research Center, Conference Room #120
	- Gubka preparation and properties
	- Applications for solution stabilization
	- Applications for catalysis
3:00 p.m. – 4:00 p.m.	Informal individual discussions
4:00 p.m. – 4:30 p.m.	Wrap Up and summary

**Thursday, June 28**

9:00 a.m. – 12:00 p.m.

Proposed future tests and scope of work (Willard Arts Center)

- Ion exchange applications
- Gas phase trapping

12:00 p.m. – 1:00 p.m.

Lunch

1:00 p.m. – 2:00 p.m.

Finalize scope of work

2:00 p.m. – 4:00 p.m.

Record of meeting

**Friday, June 29**

Meeting closeout