Schedule			
Sunday, September 22, 2019			
10:00 am – 12:00 pm	ANS Stds. Mtg	Meeting Center Rm 114	
2:00 pm – 5:00 pm	Exec. Comm. Mtg	Meeting Center Rm 114	
For US callers dialing in fr	om outside the local cal	ling area: Dial the toll free	
number. When the auto a then dial the five digit Cor	· ·	s 1 for conference calls and	
Access from Public Netwo		Free Access: 1-800-414-	
2147 Comerciae DN. oc			
3:00 pm – 8:00 pm	Registration	Meeting Center	
6:00 pm – 8:00 pm	Reception	Meeting Center Rm 102	
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Monday, September 23, 2019			
7:00 am – 5:00 pm	Registration	Meeting Center	
7:00 am – 5:00 pm	Exhibits	Meeting Center Foyer/Rm 111, 112, 113	
7:30 am – 8:30 am	Breakfast	Meeting Center Rm 111/112/113	
8:30 am – 9:00 am	Welcome	Meeting Center Rm 102	
9:00 am – 10:00 am	General Session I	Meeting Center Rm 102	
	General Session I-A	Meeting Rm 111/112/113	
10:00 am – 10:30 am	Break	Meeting Center Rm 111/112/113	
10:30 am – 12:00 pm	General Session II	Meeting Center Rm 102	
	General Session II-A	Meeting Rm 111/112/113	
12:00 pm – 1:00 pm	Lunch	Meeting Center Rm 111/112/113	
1:00 pm – 2:30 pm	General Session III	Meeting Center Rm 102	
2:30 pm – 3:00 pm	Break	Meeting Center Rm 111/112/113	
3:00 pm – 5:30 pm	General Session IV	Meeting Center Rm 102	
,	General Session IV-A	Meeting Rm 111/112/113	
4:50 pm – 5:30 pm	Business Meeting	Meeting Center Rm 102	

Tuesday, September 24, 2019		
6:00 am – 7:00 am	5k Walk/Run	Idaho Falls Greenbelt
7:00 am – 5:00 pm	Exhibits	Meeting Center Foyer/Rm
		111, 112, 113
7:30 am – 8:30 am	Breakfast	Meeting Center Rm
		111/112/113
8:30 am – 10:00 am	General Session V	Meeting Center Rm 102
10:00 am – 10:30 am	Break	Meeting Center Rm
		111/112/113
10:30 am – 12:00 pm	General Session VI	Meeting Center Rm 102
	General Session VI-A	Meeting Rm 111/112/113
12:00 pm – 1:00 pm	Lunch	Meeting Center Rm
		111/112/113
12:30 pm – 5:30 pm	INL Tours	Meet in Meeting Center
		Lobby
7:00 – 9:00 pm	Evening Activity/	Museum of Idaho
	Light Hor d'oeuvre	Archimedes Exhibit
Wednesday, Septembe	r 25, 2019	
7:00 am – 5:00 pm	Exhibits	Meeting Center Foyer/ Rm
•		111, 112, 113
7:30 am – 8:30 am	Breakfast	Meeting Center Rm
		111/112/113
8:30 am – 10:00 am	NRC Session I	Meeting Center Rm 102
10:00 am – 10:30 am	Break	Meeting Center Rm
		111/112/113
10:30 am – 12:00 pm	NRC Session II	Meeting Center Rm 102
12:00 pm – 1:00 pm	Lunch	Meeting Center Rm
		111/112/113
1:00 pm – 2:30 pm	NRC Session III	Meeting Center Rm 102
2:30 pm – 3:00 pm	Break	Meeting Center Rm
		111/112/113
3:00 pm – 5:00 pm	NRC Session IV	Meeting Center Rm 102
7:00 pm – 9:00 pm	Banquet	Downtown Event Center
		480 Park Avenue

Thursday, September 26, 2019		
7:00 am – 12:00 pm	Exhibits	Meeting Center Foyer/ Rm 111, 112, 113
7:00 am – 8:00 am	Breakfast	Meeting Center Rm 111/112/113
8:00 am – 10:00 pm	General Session VII	Meeting Center Rm 102
10:00 - 10:30	Break	
NRC PUBLIC MEETING 10:30 – 12:30	NEIMA and New Criteria for Commercial Non- Power Reactors	Meeting Center Rm 102 Bridge Number: 888-322- 7213 Passcode: 33407#

Monday, September 23			
8:30 am – 4:	50 pm		
8:30 – 8:45	Welcome	Robert Boston, DOE-ID Manager	
8:45 – 9:00	INL Overview	Marianne Walck, INL	
		DLD and Chief Research Officer	
9:00 - 10:00	General Session I – Versatile Tes	t Reactor Project	
	Sean O'Kelly, Chair	-	
9:00 - 9:30	Fast Test Reactor Experiment	Kemal Pasamehmetoglu	
	Programs	_	
9:30 -10:00	Versatile Test Reactor	John Bumgardner	
	Preliminary Design		
	Considerations		
10:00 - 10:30	Break - Meeting Center Rm 111/11	.2/113	
10:30 - 12:00	General Session II - Reactor Up	grades and Age Management	
	Rm 102 – Tom Newton, Chair		
10:30 - 10:40	Sponsor Presentation	ThermoFisher Scientific	
10:40 - 11:00	A Life Cycle and Aging	Hans Vogel	
	Management investment		
	strategy to sustain long term		
	strategic irradiations at ATR		
11:00 – 11:20	Breazeale Reactor Beam Lab	Jeffrey A. Geuther	
	Refurbishment Progress Report		
11:20 - 11:40	External Review of the	Mike Middleton	
	Deuterium Cold Source Project		
11:40 - 12:00	Update on status of Oregon	Robert Schickler	
	State instrumented fuel element		
11:00 - 12:00	General Session II-A - Reactor Upgr	ades and Age Management	
	Rm 111/112/113 – Melinda Krahe	nbuhl, Chair	
11:00 – 11:20	Conversion of the Idaho State	Ashoak Naragarn	
	University AGN Control Console		
	to Solid State Circuitry		
11:20 – 11:40	Lessons Learned from Upgrading	Matthew Lund	
	the UUTR		
11:40 – 12:00	UMASS Lowell I&C Upgrades	Thomas Regan	
12:00 – 1:00 Lunch Meeting Center Rm 111/112/113			

1.00 - 2.20 (General Session III – Research Ad	rtivitios
1:00 - 2:50		Luvities
1.00 1.10	Rm 102 – Steve Reese, Chair	NAC Lateral Control
1:00 - 1:10	Sponsor Presentation	NAC International
1:10 – 1:30	59 Years and Counting –	Luke Yaraskavitch
	Ongoing Research Activities in	
1.00 1.50	the ZED-2 Reactor	<u> </u>
1:30 – 1:50	The Future of Neutron Science	Tom Newton
	at NCNR	
1:50 – 2:10	Modernization and	Michael Reichenberger and
	enhancement of neutron	John Boyington
l	spectrum correction software	
	for ATR irradiation experiments	
2:10 – 2:30	Innovative measurement	Josh Daw
	systems for in-pile irradiation	
	experiments	
2:30 – 3:00 Break – Meeting Center Rm 111/112/113		
3:00 – 5:30 (General Session IV – Operations	
	Rm 102 – Les Foyto, Chair	
3:00 – 3:10	Sponsorship Presentation	MURR
3:10 - 3:30	An Overview of TREAT	Andy Beasley
	Operations Since Restart	
3:30 - 3:50	ATR Path to Excellence	Kelly Estes
3:50 - 4:10	Operational Overview and	Sam Giegel
	Capabilities of TREAT	
4:10 - 4:30	Fuel Examinations at UT-Austin	Larry Hall
4:30 - 4:50	2019 Status Report-Research	Doug Morrell
l	Reactor Infrastructure Program	
3:00 - 5:30 G	ieneral Session IV-A – Operation	ıs
l	Rm 111/112/113 - Jeff Geuthe	er, Chair
3:10 to 3:30	Impact of Samarium on Power	Nathan Manwaring
	Distribution and Consequent	
	Safety Rod Worths, in the	
	Advanced Test Reactor	
3:30 to 3:50	Reactivity Initiated Accident	Leigh Ann Emerson
	Testing in TREAT	
3:50 to 4:10	Automation of Sensitivity	Brenna Carbno
	Studies for U10Zr	
4:10 to 4:30	Low-enriched depletion	Joseph Nielsen
	benchmarks in the ATR	
4:30 to 4:50	DOE Independent Oversight	Kevin Witt
1	Program	
4:50 - 5:30	TRTR Business Meeting	
	DOE Independent Oversight Program	Kevin Witt

	Tuesday, Sept	ember 24	
8:30 – 10:00 General Session V – Research and Utilization			
	Dave Schoonen, Chair		
8:30 - 8:40	Sponsorship Presentation	BWXT	
8:40 – 9:00	Temperature and flux sensors for test reactors	Troy Unruh	
9:00 – 9:20	Reestablishing Liquid Metal Cooled Fuel Testing at TREAT	Bruce Kelly	
9:20 – 9:40	ATRC Neutronics Model Validation Efforts	Joshua Peterson-Droogh	
9:40 - 10:00	TREAT Experiments: Sweetening Nuclear Fuels Research Through the Use of Additive Manufacturing	Cody Race	
10:00 - 10:30 I	10:00 – 10:30 Break - Meeting Center Rm 111/112/113		
		Instrumentation and Experiments	
	Rm 102 – Sarah Don, Chair	•	
10:30 - 10:40	Information & Updates	Sean O'Kelly	
10:40 - 11:00	Low Activation Materials for	Joe Palmer	
	Holders and Containments in		
	Test Reactor Experiments		
11:00 – 11:20	Applications of low-cost computing & IO board Raspberry Pi	Garrett Wendel	
11:20 - 11:40	TREAT Advanced	Kevin Tsai	
	Instrumentation Deployment		
11:40 – 12:00	Real-time axial neutron flux profile measurement at ATR-C	Rose Holtz	
10:40 - 12:00	General Session VI-A – Advanced Ir	nstrumentation and Experiments	
	Rm 111/11/113 - Clive Townsend	, Chair	
10:40 - 11:00	Emulating a GA NM-1000 Wide-	Randall Hyde	
	Range Channel Using an NMP-		
	1000 and an NLW-1000		
11:00 – 11:20	Deterioration and Replacement	Bruce Meffert	
	of Reactor Water Cleanup		
	System Resin Columns at MURR		
11:20 – 11:40	Breazeale Reactor Control	Jeff Geuther	
	Console Renovation		

11:40 - 12:00	Development of a High	Martin Shaw	
	Temperature Neutron Flux		
	Detector		
12:00 - 1:00	12:00 – 1:00 Lunch (persons on tours get in line first)		
12:30 - 5:50	Tours – ATR and TREAT		
	1:45 – ATR		
3:00 - Travel to TREAT			
3:30 – Tour TREAT			
4:45 – Return to Idaho Falls			
7:00 – 9:00 p	m Social at Museum of Idaho	– 200 N. Eastern Ave	

Wednesday, September 25				
8:30 - 5:00 N	8:30 – 5:00 NRC Day			
8:30 - 10:30	NRC			
	Introduction	Greg Castro		
Session #1	NEIMA implementation background and schedule implications	Duke Kennedy		
Session#1a	NPUF rulemaking implications for NRC and RTR licensees	Duke Kennedy, Al Adams		
Session #2	Discussion of methods available for licensees to licensing amendments more repeatable and efficient	Patrick Boyle		
10:30 - 11:00	Break - Meeting Center Rm 111/1	12/113		
11:00 - 12:00				
Session #2a	NRC Summer Intern and hiring programs information	Greg Casto		
Session #3	Discussion of 50.59 screening and evaluation practices	Tony Mendiola, Patrick Boyle, Greg Casto		
12:00 - 1:00	Lunch			
1:00 - 2:30	NRC			
	Introduction	Tony Mendiola		
Session #4	Operator licensing information program and revisions to examiner standards	Michele DeSouza		
2:30 - 3:00	2:30 – 3:00 Break – Meeting Center Rm 111/112/113			
3:00 - 5:00	NRC			
Session #5	Facility inspections program	Kevin Roche		
Session #6	Security inspection program and Part 71 spent fuel transport regulation	Bill Schuster		
7:00 – 9:00 Banquet – Downtown Event Center – 480 Park Avenue Keynote Speaker: Harold McFarlane "70 X 70: A Brief History of Idaho's Reactors"				

Thursday, September 26			
8:00 - 10:00	8:00 – 10:00 General Session VII		
	Dave Broussard, Chair		
8:00 - 9:00	NSUF Research Reactor Fitness	Brenden Heidrich	
	Workshop Results Panel		
9:00 – 9:20	MIT NRL Initial Operator	Marshall Wade	
	Training Program		
9:20 – 9:40	IAEA Integrated RR Utilization	Ron Crone	
	Review		
9:40 - 10:00	IAEA Activities in Support Of	Ram Sharma	
	Capacity Building With Use And		
	Access To Research Reactors		
10:00 - 10:10	Closing Remarks	Sean O'Kelly	
10:10 – 10:30 Break			
10:30 – 12:30	NRC Public Meeting - Section	Duke Kennedy and Al Adams	
	106 of the Nuclear Energy		
	Innovation and Modernization		
	Act (NEIMA) and New Criteria		
	for Commercial NPUF		