

Tuesday, October 17th, 2017

8:30 a.m.	Convene/Opening Remarks Approval of September 2017 Minutes	Dr. Joseph Hughes Chair
8:40 a.m.	Program Update	Dr. Herb Nelson Acting Executive Director
9:00 a.m.	Environmental Restoration Overview	Dr. Andrea Leeson Environmental Restoration Program Manager
9:10 a.m.	ER18-C1-1259 (ER18-1259): A Mechanistic Understanding of PFASs in Source Zones: Characterization and Control (FY18 New Start)	Dr. Jennifer Field Oregon State University Corvallis, OR
9:55 a.m.	ER18-C1-1204 (ER18-1204): Insights into the Long-Term Mass Discharge & Transformation of AFFF in the Unsaturated Zone (FY18 New Start)	Dr. Charles Schaefer CDM Smith Edison, NJ
10:40 a.m.	Break	
10:55 a.m.	ER-C2-1026 (ER18-1026): Rational Design and Implementation of Novel Polymer Adsorbents for Selective Uptake of Per- and Polyfluoroalkyl Substances From Groundwater	Dr. Damian Helbling Cornell University Ithaca, NY
11:40 a.m.	ER18-C2-1063 (ER18-1063): Regenerable Resin Sorbent Technologies with Regenerant Solution Recycling for Sustainable Treatment of Per- and Polyfluoroalkyl Substances (PFASs) (FY18 New Start)	Dr. Timothy Strathmann Colorado School of Mines Golden, CO
12:25 p.m.	Lunch	
1:25 p.m.	Environmental Restoration Overview	Dr. Andrea Leeson Environmental Restoration Program Manager
1:35 p.m.	ER18-C1-1149 (ER18-1149): Development and Laboratory Validation of Mathematical Modeling Tools for Prediction of PFAS Transformation, Transport, and Retention in AFFF Source Areas (FY18 New Start)	Dr. Linda Abriola Tufts University Medford, MA
2:20 p.m.	ER18-C2-1027 (ER18-1027): Ex Situ Treatment of PFAS Contaminated Groundwater Using Ion Exchange with Regeneration (FY18 New Start)	Dr. Mark Fuller Aptim Federal Services Lawrenceville, NJ
3:05 p.m.	Break	
3:20 p.m.	ER18-C2-1289 (ER18-1289): Treatment of Legacy and Emerging Fluoroalkyl Contaminants in Groundwater with Integrated Approaches: Rapid and Regenerable Adsorption and UV-Induced Defluorination (FY18 New Start)	Dr. Jinyong Liu UC Riverside Riverside, CA
4:05 p.m.	ER18-C2-1306 (ER18-1306): Combined In Situ / Ex Situ Treatment Train for Remediation of Per- and Polyfluoroalkyl Substance (PFAS) Contaminated Groundwater (FY18 New Start)	Dr. Michelle Crimi Clarkson University Potsdam, NY
4:50 p.m.	Public Discussion / Adjourn for the day	



8:30 a.m.	Convene	Dr. Joseph Hughes Chair
8:40 a.m.	Environmental Restoration Overview	Dr. Andrea Leeson Environmental Restoration Program Manager
8:50 a.m.	ER18-C1-1280 (ER18-1280): Evaluating the Importance of Precursor Transport and Transformation for Groundwater Contamination with Poly- and Perfluoroalkyl Substances (FY18 New Start)	Dr. Elsie Sunderland Harvard University Cambridge, MA
9:35 a.m.	Resource Conservation and Resiliency Overview	Dr. Kurt Preston Resource Conservation and Resiliency Program Manager
9:45 a.m.	RC18-C2-1006 (RC18-1006): Understanding and Assessing Riparian Habitat Vulnerability to Drought-Prone Climate Regimes on DoD Bases in the Southwestern USA (FY18 New Start)	Dr. Michael Singer UC Santa Barbara Santa Barbara, CA
10:30 a.m.	Break	
10:45 a.m.	RC18-C2-1346 (RC18-1346): Climate-Driven Landscape Disturbance Assessment (FY18 New Start)	Dr. Adam Atchley Los Alamos National Laboratory Los Alamos, NM
11:30 a.m.	RC18-C2-1183 (RC18-1183): Resiliency and Vulnerability of Boreal Forest Habitat to the Interaction of Climate and Fire Disturbance across DoD Lands of Interior Alaska (FY18 New Start)	Dr. Scott Goetz Northern Arizona University Flagstaff, AZ
12:15 a.m.	Lunch	
1:15 p.m.	RC18-C2-1322 (RC18-1322): Forecasting Dryland Ecosystem Vulnerability to Change: A Cross-system Assessment of Vegetation and Process Responses to Disturbance and Climate Variability on DoD Lands (FY18 New Start)	Dr. Scott Ferrenberg United States Geological Survey Moab, UT
2:00 p.m.	RC18-C2-1021 (RC18-1021): Using Unmanned Aerial Systems to Model Spatially-Mediated Heterogeneity in 3D Microclimate Landscapes (FY18 New Start)	Dr. Anna Carter Iowa State University Ames, IA
2:45 p.m.	Break	
3:00 p.m.	RC18-C2-1108 (RC18-1108): Aquatic Ecosystem Vulnerability to Fire and Climate Change in Alaskan Boreal Forests (FY18 New Start)	Dr. Jeffrey Falke United States Geological Survey Fairbanks, AK
3:45 p.m.	Resource Conservation and Resiliency Overview	Dr. Kurt Preston Resource Conservation and Resiliency Program Manager
3:55 p.m.	RC18-C1-1358 (RC18-1358): Using Remotely-sensed Data and Light-level Geolocator Technology to Inform Off-Post Landscape-Scale Conservation Planning for a Migratory Species (FY18 New Start)	Dr. Ashley Long Texas A&M AgriLife Research College Station, TX
4:40 p.m.	Munitions Response Overview	Dr. Herb Nelson Munitions Response Program Manager
4:50 p.m.	MR18-F2-1471 (MR-2628): Meshfree modeling of Munitions Penetrations in Soils (Follow-on to FY16 SEED Project).	Sheng-Wei Chi University of Illinois Chicago, Illinois
5:35 p.m.	Public Discussion / Adjourn for the day	



Thursday, October 19th, 2017

8:30 a.m.	Convene	Dr. Joseph Hughes Chair
8:40 a.m.	Weapons Systems and Platforms Overview	Dr. Robin Nissan WP Program Manager
8:50 a.m.	WP18-C4-1074 (WP18-1047): Development of an Agile, Novel Expeditionary Battlefield Manufacturing Plant using Recycled and Reclaimed Thermoplastic Materials (FY18 New Start)	Dr. Prabhat Krishnaswamy Engineering Mechanics Corporation of Columbus Arlington, OH
9:35 a.m.	WP18-C4-1215 (WP18-1323): Recycling and Reuse of Metal Alloys by a Single Solid-State Additive Manufacturing and Repair Process (FY18 New Start)	Dr. Paul Allison University of Alabama Tuscaloosa, AL
10:20 a.m.	Break	
10:35 a.m.	Weapons Systems and Platforms Overview	Dr. Robin Nissan WP Program Manager
10:45 a.m.	WP18-C1-1114 (WP18-1114): Emulsion Characterization Study for Improved Bilgewater Treatment and Management (FY18 New Start)	Ms. Danielle Paynter Naval Surface Warfare Center Carderock, MD
11:30 a.m.	WP18-C1-1148 (WP18-1148): Revealing Bilgewater Emulsion Formation and Breaking by In Situ Multiplexed Chemical Imaging and Microfluidics	Dr. Xiao-Ying Yu Pacific Northwest Natl' Labs Richland, WA
12:15 p.m.	Lunch	
1:15 p.m.	Weapons Systems and Platforms Overview	Dr. Robin Nissan WP Program Manager
1:25 p.m.	WP18-C3-1193 (WP18-1193): An Integral Hypergolic Hybrid-Solid Fuel Ramjet Concept for AP-Free High Performance Tactical Rocket Motors (FY18 New Start)	Dr. Mark Pfeil U.S. Army Aviation & Missile Research, Development, and Engineering Center Huntsville, AL
2:10 p.m.	Weapons Systems and Platforms Overview	Dr. Robin Nissan WP Program Manager
2:20 p.m.	WP18-F2-1439 (WP18-1439) Development and Evaluation of Non-Chromate LHE ZnNi Passivations for DoD Electrical Connectors (Follow-on to FY15 SEED Project)	Dr. Matthew O'Keefe Missouri S&T Rolla, MO
3:05 p.m.	Break	
3:20 p.m.	Munitions Response Overview	Dr. Herbert Nelson Munitions Response Program Manager
3:30 p.m.	MR18-C1-1233 (MR18-1233): Improved Penetrometer Performance in Stratified Sediment for Cost-Effective Characterization, Monitoring and Management of Submerged Munitions Sites (FY18 New Start)	Dr. Nina Stark Virginia Tech Blacksburg, VA
4:15 p.m.	Environmental Restoration Overview	Dr. Andrea Leeson ER Program Manager
4:25 p.m.	ER18-F6-1472 (ER-2531): Role of Acidophilic Methanotrophs in Long Term Natural Attenuation of VOCs in Low pH Aquifers (Follow On to FY15 Limited Scope Project)	Dr. Paul Hatzinger Aptim Federal Services Lawrenceville, NJ
5:10 p.m.	Public Discussion / Adjourn	



Scientific Advisory Board Meeting
October 17-19, 2017
The Potomac Institute for Policy Studies
901 North Stuart Street, Suite 200, Arlington, VA 22203