

U.S. NRC Headquarters, Rockville, Maryland, December 4-5, 2017

Attendees

Thomas Aird^{SC, C}

General Engineer
U.S. NRC RES/DRA/FXHAB
thomas.aird@nrc.gov

Victoria Anderson^P

Technical Advisor
NEI
vka@nei.org

John Antignano^R

Managing Director
Nuvia USA
john.antignano@nuvia-usa.com

William Asquith^R

Research Hydrologist
U.S. Geological Survey
wasquith@usgs.gov

Greg Baecher

Professor of Engineering
University of Maryland
gbaecher@mac.com

Victoria Sankovich Bahls^R

Project Manager and Senior Hydrometeorologist
MetStat, Inc.
vbahls@metstat.com

James Barbis

Senior Water Resource Engineer
Wood
James.barbis@woodplc.com

Joseph Bellini^R

Vice President - Principal Water Resources Eng.
Aterra Solutions, LLC
joe.bellini@aterrasolutions.com

Christopher Bender

Senior Coastal Engineer
Taylor Engineering
cbender@taylorengineering.com

Michelle Bensi

Assistant Professor
University of Maryland
mbensi@umd.edu

Paul Boulden^R

President
Appendix R Solutions, Inc.
paulboulden@ars-corp.net

David Bowles

Managing Principal & Professor Emeritus
RAC Engineers and Economists, LLC & Utah
State University
David_S_Bowles@hotmail.com

Stephen Breithaupt

Hydrologist
U.S. NRC NRO/DSEA
Stephen.Breithaupt@nrc.gov

Robert Budnitz^R

Scientist
Lawrence Berkeley National Laboratory
RJBudnitz@lbl.gov

Andy Campbell

Deputy Director, DSEA
U.S. NRC NRO/DSEA
Andy.Campbell@nrc.gov

Karen Carboni^R

Program Manager
Tennessee Valley Authority
kcarboni@tva.gov

U.S. NRC Headquarters, Rockville, Maryland, December 4-5, 2017

Attendees

Shaun Carney

Senior Water Resources Engineer
RTI International
scarney@rti.org

Meredith Carr^{S, SC, C}

Hydrologist
U.S. NRC RES/DRA/FXHAB
meredith.carr@nrc.gov

Yung Hsien Chang

Human Reliability Engineer
U.S. NRC RES/DRA/HFRB
James.Chang@nrc.gov

Laura Chap^R

Senior Engineer
Atkins
laura.chap@atkinsglobal.com

Hasan Charkas

Senior Technical Leader
EPRI
hcharkas@epri.com

Yuan Cheng

Hydrologist
U.S. NRC NRO/DSEA/RHM
yuan.cheng@nrc.gov

Nilesh Chokshi

Consultant
U.S. NRC NRO/DSEA
nilesh.chokshi@nrc.gov

Young-Sun Choun

Principal Research Engineer
Korea Atomic Energy Research Institute
sunchun@kaeri.re.kr

Jon Clark^R

Project Manager
Amec Foster Wheeler
jon.clark@amecfw.com

Leremy Colf^R

Director of Disaster Science
HHS Assistant Secretary for Preparedness and
Response
leremy.colf@hhs.gov

Christopher Cook^P

Chief, Hydrology and Meteorology Branch
U.S. NRC NRO/DSEA/RHM
christopher.cook@nrc.gov

Kevin Coppersmith^R

President
Coppersmith Consulting, Inc.
kevin@coppersmithconsulting.com

William Cummings^S

Principal Engineer
Fire Risk Management, Inc.
wmark@fireriskmgt.com

Biswajit Dasgupta^R

Staff Engineer
Center for Nuclear Waste Regulatory Analyses/
SwRI
biswajit.dagupta@swri.org

Mary Alice Lisa Davis

Associate Professor
University of Alabama, Dept. of Geography
lisa.davis@ua.edu

U.S. NRC Headquarters, Rockville, Maryland, December 4-5, 2017

Attendees

Gerald (Jay) Day^R

Senior Director
Water Resources Management Division, RTI
International
gday@rti.org

Scott DeNeale

Water Resources Engineer
Oak Ridge National Laboratory
denealest@ornl.gov

Stephanie Devlin-Gill

DSEA Technical Assistant
U.S. NRC NRO/DSEA
Stephanie.Devlin-Gill@nrc.gov

Alain Dib^S

Postdoctoral Scholar
University of California, Davis
aedib@ucdavis.edu

Kevin Dobbs

Visiting Scientist
NGA
kevindobbsfr@gmail.com

Adrienne Driver

Reliability and Risk Analyst
U.S. NRC NRR/DRA
Adrienne.Driver@nrc.gov

John England, Jr.^P

Lead Civil Engineer
U.S. Army Corps of Engineers, Risk
Management Center
john.f.england@usace.army.mil

J. Christopher Ey^R

Senior Professional Associate
HDR
chris.ey@hdrinc.com

Kenneth Fearon^P

Deputy Director, Division of Dam Safety and
Inspections
Federal Energy Regulatory Commission
kenneth.fearon@ferc.gov

Fernando Ferrante^{PC}

Principal Technical Leader
Electric Power Research Institute
FFerrante@EPRI.com

Mark Fuhrmann^{SC, C}

Geochemist
U.S. NRC RES/DRA/FXHAB
mark.fuhrmann@nrc.gov

Amitava Ghosh

Geotechnical Engineer
U.S. NRC NRO/DSEA/RPAC
amitava.ghosh@nrc.gov

Joseph Giacinto^R

Hydrologist
U.S. NRC NRO
joseph.giacinto@nrc.gov

Jason Giovannettone

President
HydroMetriks
jpgiovannettone@hydrometriks.com

Jeanne Godaire

Supervisory Geologist
U.S. Bureau of Reclamation
jgodaire@usbr.gov

Felix Gonzalez^R

Reliability and Risk Engineer
U.S. NRC RES/DRA/FXHAB
felix.gonzalez@nrc.gov

U.S. NRC Headquarters, Rockville, Maryland, December 4-5, 2017

Attendees

Victor Gonzalez^S

Research Civil Engineer
U.S. Army Engineer Research and Development
Center Coastal and Hydraulics Laboratory
victor.m.gonzalez@usace.army.mil

Orli Gottlieb^R

Engineer II
Alden Research Laboratory
ogottlieb@aldenlab.com

Kevin Griebenow

Civil Engineer
FERC
kevin.griebenow@ferc.gov

Eric Gross^R

Senior Civil Engineer
FERC
eric.gross@ferc.gov

Justin Habit

Intern
USDA - NRCS
justin.habit@wdc.usda.gov

Kenneth Hamburger^{F,C}

Fire Engineer
U.S. NRC RES/DRA/FXHAB
Kenneth.Hamburger@nrc.gov

Tess Harden^S

Hydrologist
U.S. Geological Survey
tharden@usgs.gov

Donnie Harrison

Senior Level Advisor for Risk Assessment
U.S. NRC Office of Nuclear Materials Safety and
Security
Donnie.Harrison@nrc.gov

Brad Harvey

Team Lead, Meteorology Team
U.S. NRC NRO/DSEA/RHM/RMET
brad.harvey@nrc.gov

Lyle Hibler

Hydrologist
U.S. NRC NRO/DSEA
lyle.hibler@nrc.gov

Claudia Hoeft

National Hydraulic Engineer
USDA - NRCS
claudia.hoeft@wdc.usda.gov

Kathleen Holman^{RS, R}

Meteorologist
Bureau of Reclamation
kholman@usbr.gov

Georgette Holmes^R

Chief, Geospatial Analysis Branch
Department of Homeland Security
georgette.holmes@hq.dhs.gov

Robert Holmes^R

National Flood Hazard Coordinator
U.S. Geological Survey
bholmes@usgs.gov

Douglas Hultstrand^R

Senior Hydrometeorologist
Applied Weather Associates
dhultstrand@appliedweatherassociates.com

Matt Humberstone

Reliability and Risk Analyst
U.S. NRC
matt.humberstone@nrc.gov

U.S. NRC Headquarters, Rockville, Maryland, December 4-5, 2017

Attendees

Jennifer Irish

Owner
Coastal Resilience Innovations, PLLC
jirish@taylorengineering.com

Sharon Jasim-Hanif^P

Natural Phenomena Hazards Policy Manager
U.S. Department of Energy
sharon.jasim-hanif@hq.doe.gov

Andrew Kalukin^R

Senior Lead Scientist
National Geospatial-Intelligence Agency
kalukin_andrew@bah.com

Joseph Kanney^{S, SC, PC, C}

Hydrologist
U.S. NRC RES/DRA/FXHAB
joseph.kanney@nrc.gov

Shih-Chieh Kao

Senior Research Scientist
Oak Ridge National Laboratory
kaos@ornl.gov

Bill Kappel^R

President/Chief Meteorologist
Applied Weather Associated
billkappel@appliedweatherassociates.com

Keith Kelson^R

Paleoflood Group Lead, Hydrologic Hazard
Team
U.S. Army Corps of Engineers, Sacramento
keith.i.kelson@usace.army.mil

Julie Kiang^R

Chief, Analysis and Prediction Branch
USGS
jkiang@usgs.gov

Minkyu Kim

Principal Researcher
Korea Atomic Energy Research Institute
minkyu@kaeri.re.kr

Kellie Kvardfort^S

Software Engineer
Idaho National Laboratory
kellie.kvarfordt@gmail.com

Mike Lee

Senior Hydrologist
U.S. NRC
Mike.Lee@nrc.gov

Shizhong Lei^R

Geoscience Technical Specialist
Canadian Nuclear Safety Commission
shizhong.lei@canada.ca

Dave Leone^R

Associate Principal / Hydraulic Engineer
GZA
davidm.leone@gza.com

L. Ruby Leung^S

Battelle Fellow
Pacific Northwest National Laboratory
ruby.leung@pnnl.gov

Marc Levitan^R

Acting Director, NWIRP
NIST
marc.levitan@nist.gov

Rachel Lombardi

Graduate Research Assistant
University of Alabama
rlombardi@crimson.ua.edu

U.S. NRC Headquarters, Rockville, Maryland, December 4-5, 2017

Attendees

David Lord^R

Senior Civil Engineer
FERC
dworld101@gmail.com

Zhegang Ma^P

Lead Risk Analysis Engineer
Idaho National Laboratory
zhegang.ma@inl.gov

Pathmathevan Mahadevan

Civil Engineer
FERC - Dam Safety Division
devan.mahadevan@ferc.gov

Kelly Mahoney^R

Meteorologist
NOAA Earth System Research Lab Physical
Sciences Division
kelly.mahoney@noaa.gov

Debbie Martin^R

Project Manager and Senior Hydrometeorologist
MetStat, Inc.
dmartin@metstat.com

Robert Mason^R

Extreme Hydrologic Events Coordinator
U.S. Geological Survey
rrmason@usgs.gov

Michael Mazaika^R

Physical Scientist (Meteorologist)
U.S. NRC NRO/DSEA/RHM/RMET
michael.mazaika@nrc.gov

Stephen McDuffie

Seismic Engineer
U.S. Department of Energy
stephen.mcduffie@rl.doe.gov

Fehmida Mesania^R

Flooding Engineer
Duke Energy
Fehmidakhatun.Mesania@duke-energy.com

Andrew Miller

Senior Engineer
Jensen Hughes
amiller@jensenhughes.com

Gabriel Miller^P

Hydrologist
Tennessee Valley Authority
gamiller0@tva.gov

Jeffery Mittman

Senior Reliability and Risk Analyst
U.S. NRC NRR/DRA/APAB
Jeffrey.Mittman@nrc.gov

Michael Mobile^R

Senior Technical Specialist
GZA
michael.mobile@gza.com

Mathieu Mure-Ravaud^S

PhD student
UC-Davis
mmureravaud@ucdavis.edu

Norberto Nadal-Caraballo^{S, P, R}

Leader, Coastal Hazards Group
U.S. Army Engineer R&D Center, Coastal and
Hydraulics Laboratory
Norberto.C.Nadal-Caraballo@usace.army.mil

Keil Neff^S

Hydrologic Engineer
Bureau of Reclamation, Technical Service
Center, Flood Hydrology & Meteorology
kneff@usbr.gov

U.S. NRC Headquarters, Rockville, Maryland, December 4-5, 2017

Attendees

Kit Yin Ng

Chief Engineer
Bechtel Infrastructure and Power LLC
kyng@bechtel.com

Thomas Nicholson^C

Senior Technical Advisor
U.S. NRC RES/DRA
thomas.nicholson@nrc.gov

Lauren Ning

Reliability And Risk Engineer
U.S. NRC RES/DRA/PRAB
lauren.ning@nrc.gov

Nicole Novembre^R

Chief Hydrologic Engineer
MetStat, Inc.
nnovembre@metstat.com

Desta O'Connor^R

U.S. Department of Homeland Security
Desta.OConnor@HQ.DHS.GOV

Tye Parzybok^R

President/CEO and Chief Meteorologist
MetStat, Inc
tyep@metstat.com

Sanja Perica^R

HDSC Chief
NOAA/NWS/OWP
sanja.perica@noaa.gov

Jacob Philip^C

Sr. Geotechnical Engineer
U.S. NRC RES/DE/SGSEB
jacob.philip@nrc.gov

Frances Pimental^P

Sr. Project Manager, Risk and Technical
Support
NEI
fap@nei.org

Rajiv Prasad^S

Senior Research Scientist
Pacific Northwest National Laboratory
rajiv.prasad@pnnl.gov

Steven Prescott

PRA Software Engineer
Idaho National Lab
Steven.Prescott@inl.gov

Kevin Quinlan^R

Physical Scientist
U.S. NRC NRO/DSEA
kevin.quinlan@nrc.gov

John Randall^R

U.S. NRC RES Retired
JohnRandall2@comcast.net

Mehdi Reisi Fard

Reliability and Risk Analyst
U.S. NRC NRR/DRA/APLB/RILI
mehdi.reisifard@nrc.gov

Tammie Rivera

Reliability And Risk Engineer
U.S. NRC RES/DRA/FXHAB
Tammie.Rivera@nrc.gov

Christina Roy^R

NGA Liaison to DHS - FEMA
National Geospatial-Intelligence Agency
christina.c.roy.us@gmail.com

U.S. NRC Headquarters, Rockville, Maryland, December 4-5, 2017

Attendees

Karen Ryberg^S

Research Statistician
U.S. Geological Survey
kryberg@usgs.gov

MarkHenry Salley^C

Branch Chief
U.S. NRC RES/DRA/FXHAB
MarkHenry.Salley@nrc.gov

Periandros Samothrakis

Engineering Specialist - Hydraulics & Hydrology
Bechtel Corporation
psamothr@bechtel.com

Selim Sancaktar

Reliability and Risk Analyst
U.S. NRC RES
selim.sancaktar@nrc.gov

Raymond Schneider^P

Fellow
Westinghouse Electric Corporation
schneire@westinghouse.com

Penny Selman^R

Sr. Program Manager, Seismic
Tennessee Valley Authority
pbselman@tva.gov

Ken Shelley^R

Southern Nuclear
klshelly@southernco.com

Nathan Siu^P

Sr Technical Adviser in PRA
U.S. NRC RES/DRA
Nathan.Siu@nrc.gov

Brian Skahill^S

Engineer
USACE Coastal and Hydraulics Laboratory
Hydrologic Systems Branch
Brian.E.Skahill@usace.army.mil

Brennan Smith

Senior Research Scientist/Group Leader
Oak Ridge National Laboratory/Energy-Water
Resources Systems Group
smithbt@ornl.gov

Curtis Smith

Division Director
Idaho National Laboratory
Curtis.Smith@inl.gov

Ellen Smith^R

Oak Ridge National Laboratory
smithed@ornl.gov

Thomas Spink^R

Project Manager
TVA
tespink@tva.gov

Mathini Sreetharan

Senior Engineer
Dewberry
msreetharan@dewberry.com

Lance Stewart

Graduate Assistant
Murray State University Dept. of Geosciences
cstewart19@murraystate.edu

Gary Stinchcomb

Assistant Professor
Murray State University Dept. of Geosciences
gstinchcomb@murraystate.edu

U.S. NRC Headquarters, Rockville, Maryland, December 4-5, 2017

Attendees

Craig Talbot

Principal Engineering Specialist
Bechtel Corporation
ctalbot@bechtel.com

Robert Taylor

Director, DSEA
U.S. NRC NRO/DSEA
Robert.Taylor@nrc.gov

Stewart Taylor

Bechtel Fellow
Bechtel Global Corporation
swtaylor@bechtel.com

Keith Tetter^R

Reliability and Risk Engineer
U.S. NRC
Keith.Tetter@nrc.gov

Jenise Thompson^R

Geologist
U.S. NRC NRO/DSEA/RGS
jenise.thompson@nrc.gov

Nebiyu Tiruneh^{SC}

Hydrologist
U.S. NRC NRO
nebiyu.tiruneh@nrc.gov

Nicholas Valos^R

Region 3 Senior Reactor Analyst
U.S. NRC Region 3
nicholas.valos@nrc.gov

Andrew Verdin^{RS, R}

Hydrologic Engineer
Bureau of Reclamation
averdin@usbr.gov

Carrie Vuyovich^S

Engineer
USACE Cold Regions Research and
Engineering Laboratory
Carrie.m.vuyovich@usace.army.mil

Tony Wahl^{RS, R}

Hydraulic Engineer
USBR
twahl@usbr.gov

Bin Wang^R

Senior Technical Specialist
GZA GeoEnvironmental, Inc.
bin.wang@gza.com

Weijun Wang^R

Geotechnical Engineer
U.S. NRC NRO
weijun.wang@nrc.gov

Z. Gary Wang

Reliability and Risk Engineer
U.S. NRC RES/DRA/PRB
Zeechung.Wang@nrc.gov

David Watson

Senior Research Scientist
Oak Ridge National Laboratory
watsondb@ornl.gov

David Watson

Project Manager/Flood Engineer
Duke Energy
David-Watson3@duke-energy.com

Michael Weber^S

Director, Office of Nuclear Regulatory Research
U.S. NRC RES
Michael.Weber@nrc.gov

U.S. NRC Headquarters, Rockville, Maryland, December 4-5, 2017

Attendees

John Weglian^P

Senior Technical Leader

EPRI

jweglian@epri.com

Jason White^R

Physical Scientist

U.S. NRC NRO/DSEA/RHM/RMET

Jason.White@nrc.gov

Gordon Wittmeyer^R

Director of Technical Resources

Center for Nuclear Waste Regulatory Analyses,

Southwest Research Institute

gordon.wittmeyer@swri.org

Jeff Wood^R

Reliability and Risk Analyst

U.S. NRC RES/DRA/PRAB

jeffery.wood@nrc.gov

Joseph Wright

Supervisory Hydraulic Engineer

Bureau of Reclamation, Technical Service

Center, Flood Hydrology & Meteorology

jmwright@usbr.gov

David Ziebell^R

Senior Technical Leader

EPRI

dziebell@epri.com