

# Tri-Service Environmental Risk Assessment Working Group



## Improving DOD Risk Assessments

JSEM Conference

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# TSERAWG:

## Improving DOD Risk Assessment

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### AGENDA

- Who we are
- What we do
- Work products
- Contact information



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## WHO WE ARE:

- Chartered in 1996 as a subcommittee of the ***Tri-Service Environmental Support Centers Coordinating Committee*** (TESCCC)
- Each service identifies a TSERAWG Service Coordinator –coordinators are from AFCEE, USAEC, and NFESC



# TSERAWG:

## Improving DOD Risk Assessment

### Organizations currently represented in the TSERAWG

AFCEE	USACE ERDC
AFIOH	USACE HTRW CX
AFRL	NAVFAC
USAEC	NFESC
USACHPPM	NEHC
USAECBC	NCCOSC



# TSERAWG:

## Improving DOD Risk Assessment

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### WHAT WE DO:

- Coordinate and create better cohesion between the services in the conduct of ecological risk assessments (ERA) and human health risk assessments (HHRA) at sites worldwide
- Assist in the transfer of the most recent technical information to member organizations pertinent to ERAs and HHRAs and their applications.



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- Present guidance to the TESCCC for their approval as Tri-Service guidance
- Provide technical input from which to make policy recommendations relative to ERAs and HHRAs
- Participate in technical reviews and evaluate various techniques and methodologies for risk assessments



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## WORK PRODUCTS/TECHNICAL SUPPORT:

- Provided technical support to an Air Force Base in EPA Region 9 as part of a formal dispute concerning lead toxicity values for ERA
- Provided review and comment on Relative Risk Screening Evaluation numbers for HHRA and ERA that will be used as part of the MRSPP
- Provided review and comment on the toxicity section of current draft of the DOD Environmental Laboratory Quality Systems Manual

MRSPP= Munitions Response Site Prioritization Protocol



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- Numerous purplized guidance documents:
  - Terrestrial Toxicity Database
  - Development of Exposure and Bioaccumulation Information for Wildlife
  - Bioavailability Adjustments in HHRA and ERA

<http://chppm-www.apgea.army.mil/erawg>





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- Coordinating with MERIT on Emerging Contaminant technical issues that affect risk assessment
- Coordinating with the DOD EDQW— data is important for the risk assessment:

garbage in =  garbage out

EDQW=Environmental Data quality Work Group

MERIT= materials of evolving regulatory interest team



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## PROJECTS IN PROGRESS:

- TSERAWG Guidance on Vapor Intrusion --addressing military specific exposures and an update to the Johnson and Ettinger model
- Purplization of technical papers on various ecological risk assessment topics
- Elaboration on the use of background in risk assessment based on existing Navy policy



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## HOW WE'RE IMPROVING RISK ASSESSMENT:

- Share lessons learned across the DOD complex
- Mentor & encourage new environmental professionals
- Provide DOD environmental program managers with easy to read Joint Service Guidance
- Discuss emerging contaminants and related risk assessment issues and provide technical support to HQs
- Conduct open meetings with state, federal regulators and DOD contractors



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## CONTACT INFO:

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<http://chppm-www.apgea.army.mil/erawg/>



# TSERAWG: Improving DOD Risk Assessment

## ACRONYM LIST

AFCEE	Air Force Center for Environmental Excellence,
AFIOH	Air Force Institute for Operational Health,
AFRL	Air Force Research Laboratory, Human Effectiveness, Biosciences and Protection Division
DOD	Department of Defense
NFEC	Naval Facilities Engineering Command,
NFESC	Naval Facilities Engineering Service Center
NCCOSC	Naval Command Control and Ocean Surveillance Center
NEHC	Naval Environmental Health Center
USAEC	Army Environmental Command
USACHPPM	Army Center for Health Promotion and Preventive Medicine,
USACE ERDC	Army Engineers Research & Development Center,
USACE HTRW CX	Army Corps of Engineers' Hazardous, Toxic and Radioactive Waste Center of Expertise,
USAECBC	Army Edgewood Chemical Biological Center