

# **National Environmental Evaluation and Remediation Consortium**

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# Kansas State University

- Hazardous Substance Research Center
- Institute for Environmental Research
- Konza Prairie Biological Station
- National Institute for Land Management and Training

# DOD Compliance Guidance

- Integrate environmental compliance into all planning

# DOD Pollution Prevention Guidance

- Minimize environmental risks to operating personnel
- Reduce or eliminate hazardous or environmentally unacceptable materials in new weapon system acquisition programs
- Integrate health and safety concerns into all operations and activities

# DOD Environmental Stewardship Guidance

- Include environmental considerations and costs in all decisions

# DOD Management and Organization Guidance

- Provide clear and timely environmental program guidance

# NEER Mission Statement

The National Environmental Evaluation and Remediation Consortium (NEER) addresses complex environmental issues which affect the health and safety of our air, water, and land. Its focus encompasses environmental problems which cross the spectrum of federal, state, and local responsibilities. NEER accomplishes its mission through scientific research, environmental training, independent assessment, technology transfer, and community services/assistance with a unique teaming approach of integrating scientific and operational problem solvers.

# NEER Consortium Partners

- Kansas State University
- Great Plains/Rocky Mountain Hazardous Substance Research Center
- Nanoscale Materials, Inc.
- M2 Technologies
- Aqua-Terr, Inc.

# Nonlethal Environmental Evaluation and Remediation Center

- Joint Nonlethal Weapons Directorate (JNLWD) project
  1. Establishment of NEER Center
  2. Establish priorities for environmental assessment, research, and remediation activities
  3. Conduct environmental assessments and research

# JNLWD Evaluation Priorities

- Environmental Assessment of Nonlethal Training Range at Fort Leonard Wood
- Malodorants and Irritants
- Anti-traction Material
- Running Gear Entanglement System
- Advanced Tactical Laser
- Pulsed Energy Projectile
- Nonlethal Objective Individual Combat Weapon Munition
- Thermobaric Technology

# Anti-Traction Material

- Fate of petroleum hydrocarbons in the formulation
- Health effects associated with acrylamide monomer that may be present
- Impact of repeated application and clean up on the training area

# Conclusions

- It is important to provide clear and timely environmental guidance
- Early proactive environmental evaluation enables environmental requirements to be included in product development