



U.S. ARMY

Western Review of Legislative & Regulatory Actions Region 8



The U.S. Army Regional Environmental & Energy Office

July 2014

The **WESTERN REGION 8 REVIEW** provides current information on natural resource, energy, and environmental issues relevant to Department of Defense interests in the six states that comprise Federal Region 8. The Review is intended to be a tool useful to DoD and Army leaders, planners, and program managers in carrying out their responsibilities. The Western Region 8 Review monitors and targets proposed and final regulations and legislation that may affect Army or DoD operations. To receive a copy of this electronic publication, send an email request to nancy.l.reese2.ctr@mail.mil.

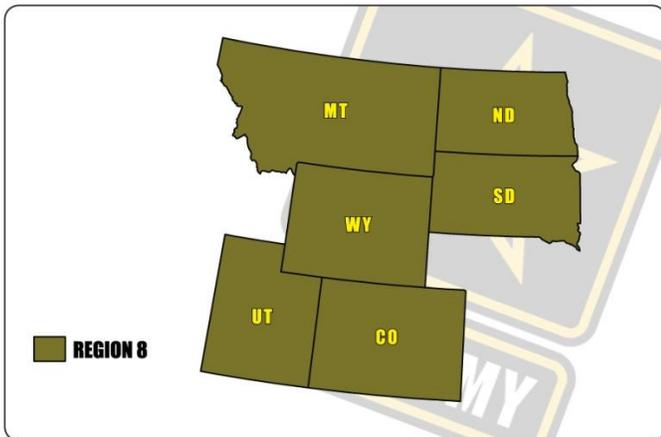


Table of Contents

Colorado	2
Montana	2
North Dakota	3
South Dakota	3
Utah	4
Wyoming	4
DoD Activity	5
Federal Activity	5
Professional Development	10
Staff Directory	16
Acronyms	17

AWARD MEMORIALIZES LAND CONSERVATION LEADER

A [new conservation award](#) memorializing the contributions of [Nancy Natoli](#), former director of the DoD's Readiness and Environmental Protection Integration (REPI) program, has been announced. The award recognizes individuals, teams, or organizations that have taken existing undersized land conservation opportunities and modified them for unexpected or outsized results, or identified and implemented new land conservation opportunities. Nominations will be considered for on-going or completed work, or for cumulative accomplishments for people, teams, or organizations that have:

- Improved the land protection movement through conservation or natural resource protection;
- Leveraged resources through innovative finance to implement projects with limited funding;
- Taken projects with limited utility and found connections that make them more useful, efficient, or beneficial to multiple stakeholders;
- Embodied Nancy Natoli's fundamental approach to land conservation:
 - Intellectual curiosity and integrity;
 - Drive to leverage multiple efficiencies to "protect the most land at the least cost;"
 - Passion for innovation in land conservation and conservation finance; and
 - Acknowledgement of the benefit of collaboration across varying agencies, governments, organizations, and groups to identify and attain common goals.

Additional consideration will be given for:

- Direct or indirect benefits to DoD's REPI program or the individual training, testing or operational mission at any DoD installation.
- Direct or indirect benefits or multiplies efforts of any federal land protection program.

The Nancy Natoli Élan Award for Innovation in Land Conservation criteria and nomination form may be found [here](#). Nominations for the inaugural 2014 award are due by 18 JUL 14. The award winner will receive a framed, United States flag that was flown over the Pentagon and an accompanying statement of recognition. For more information, contact Peter Stangel at (404) 915-2763 or visit the U.S. Endowment for Forestry and Communities [website](#).

Region 8

For more information on any state issues in Region 8, contact [Julia Miller](#), Region 8 Program Coordinator (303) 844-0952.



TOXICS

LICENSING OF RADIOACTIVE MATERIAL The Colorado Department of Public Health and Environment (CDPHE) [adopted amendments](#) to its rule for licensing of radioactive material. The amendments align state rule with federal requirements, update references, revise state policy regarding issuance of licenses, and add requirements pertaining to decommissioning. [This action](#) amends Title 6 Colorado Code of Regulation (CCR) 1007-1 Part 03 (Radiation Control – Licensing of Radioactive Material). The final rule was effective 14 JUN 14. For more information, contact [James Jarvis](#) at (303) 692-3464.

WATER

FORMER LOWRY AIR FORCE BASE SITE-SPECIFIC GROUNDWATER STANDARDS CDPHE [adopted revisions](#) to the Site-Specific Water Quality Classifications and Standards for Ground Water, Regulation 42 (5 CCR 1002-42). The revisions to Regulation 42, which were proposed by Lowry Assumption LLC, pertain to the former Lowry Air Force Base site-specific groundwater standards. The action includes adoption of a final [Regulation 42](#), [index map](#) of groundwater classifications, the [main plume alluvium map](#), and the [main plume bedrock map](#). The final rule is effective 31 JUL 14. For more information, contact [Andrew Ross](#) at (303) 692-3395.

LEGISLATIVE DEVELOPMENTS

The [Colorado 2014 legislative session](#) began 8 JAN 14 and adjourned 7 MAY 14. For information about legislation in 2014, refer to the [June 2014 edition](#) of the Review.



AIR

AIR QUALITY PERMIT APPLICATION FEE The Montana Department of Environmental Quality (MDEQ) [is proposing](#) to amend rules pertaining to definitions and air quality permit fees. This action would amend Administrative Rules of Montana (ARM) [17.8.501](#) and [17.8.504](#). For more information, contact [Elois Johnson](#) at (406) 444-2630.

AIR QUALITY RULES: INCORPORATION BY REFERENCE MDEQ [adopted](#) amendments to ARM [17.8.102](#) (Incorporation by Reference – Publication Dates). This action adopts revisions to federal laws and regulations published in the 2012 edition of the U.S. Code, as it exists on 31 DEC 13; the 1 JUL 13 edition of the Code of Federal Regulations (CFR); and revisions to Montana administrative rules in effect on 30 JUN 13. The final rule was effective 13 JUN 14. For more information, contact [Elois Johnson](#) at (406) 444-2630.

AIR QUALITY RULES: PM2.5 MDEQ is proposing to amend its air quality rules for fine particulate matter (PM2.5). In this action, MDEQ is proposing to remove PM2.5 emission limits from ARM [17.8.818](#) (Review of Major Stationary Sources and Major Modifications – Source Applicability and Exemptions) and ARM [17.8.820](#) (Source Impact Analysis). The proposed amendments are in response to recent court decisions regarding PM2.5. Comments are due 24 JUL 14. For more information, contact [Elois Johnson](#) at (406) 444-2630.

WASTE

HAZARDOUS WASTE RULES: INCORPORATION BY REFERENCE AND CORRECTION MDEQ is [proposing](#) to update the edition of the CFR adopted by reference to the 1 JUL 14 edition. In this action, MDEQ is also proposing to correct an inadvertent omission. MDEQ is proposing to amend ARM [17.53.401\(2\)](#) to resolve an inadvertent omission of a cross-reference to 40 CFR 260.2, which addresses delisting petitions. The proposed amendment corrects the omission and does not change the meaning or intent of ARM 17.53.401. Comments are due 25 JUL 14. For more information, contact [Elois Johnson](#) at (406) 444-2630.

WATER

ON-SITE WASTEWATER TREATMENT MDEQ is [proposing](#) to amend regulations pertaining to new and existing sewage systems. The amendments address operations and maintenance, ownership, easements, and agreements. This action would amend [ARM 17.36.326](#) and [17.36.327](#). Comments are due 24 JUL 14. For more information, contact [Elois Johnson](#) at (406) 444-2630.

WATER QUALITY: THOMPSON RIVER WATERSHED MDEQ [held](#) a public meeting to provide information and accept written comments on a water quality plan for nine streams in and surrounding the Thompson River watershed in Sanders and Flathead counties. The *Thompson Project Area Metals, Nutrients, Sediment, and Temperature TMDLs and Water Quality Improvement Plan* describes water quality problems in four tributaries to the Thompson River, three tributaries to the lower Clark Fork River, and two tributaries to the lower Flathead River. The document provides a total maximum daily load (TMDL) for these waterbodies and outlines a strategy for improving water quality in order to meet Montana’s surface water quality standards. The meeting was held 24 JUN 14. Comments were due 11 JUL 14. For more information, contact [Jordan Tollefson](#) at (406) 444-5341.

LEGISLATIVE DEVELOPMENTS

[Montana does not hold a regular legislative session](#) in 2014.



LEGISLATIVE DEVELOPMENTS

[North Dakota does not hold a regular legislative session](#) in 2014.



LEGISLATIVE DEVELOPMENTS

The [South Dakota 2014 legislative session](#) began 14 JAN 14 and adjourned 31 MAR 14. For information about legislation in 2014, refer to the [April 2014](#) edition of the Review.



AIR

ADHESIVES AND SEALANTS: The Utah Department of Environmental Quality (UDEQ) [is proposing](#) to add an exemption to state air quality rules that would allow DoD contractors to use certain adhesives and sealants in accordance with DoD specifications. Some DoD specifications for adhesives and sealants may not meet the requirements in the existing rule. This action would amend rule [R307-342-3](#) (Exemptions) to allow compliance with DoD specifications. Comments are due 31 JUL 14. For more information, contact [Mark Berger](#) at (801) 536-4000.

SOLVENT DEGREASING RULE REVISIONS UDEQ adopted [revisions](#) to its rules establishing volatile organic compound (VOC) emission limits for degreasing and solvent cleaning operations in rule [R307-355](#). The revisions, based on stakeholder comment, allow the use of 100% isopropyl alcohol in certain applications. Previous amendments to this rulemaking added an exemption for electrical and electronic components and for operations that are exclusively covered by DoD military technical data and performed on site at installations owned or operated by the U.S. Armed Forces. The final rule was effective 2 JUN 14. For more information, contact [Mark Berger](#) at (801) 536-4000.

LEGISLATIVE DEVELOPMENTS

The [Utah 2014 legislative session](#) began 27 JAN 14 and adjourned 13 MAR 14. For information about legislation in 2014, refer to the [April 2014](#) edition of the Review.



WATER

WATER QUALITY: BEAR RIVER SEDIMENT TMDL The Wyoming Department of Environmental Quality (WDEQ) [announced](#) it has completed the sediment TMDL for a portion of the Bear River, which flows through the city of Evanston, Wyoming. Comments were due 2 JUL 14. For more information, contact Kevin Hyatt at (307) 777-8582 or visit the WDEQ TMDL [website](#).

WATER QUALITY: BLACKS FORK AND SMITHS FORK TMDL WDEQ [announced](#) it has completed the E. coli TMDL for portions of Blacks Fork and Smiths Fork rivers in Uinta County near Lyman and Mountain View, Wyoming. Comments were due 7 JUL 14. For more information, contact Kevin Hyatt at (307) 777-8582 or visit the WDEQ TMDL [website](#).

LEGISLATIVE DEVELOPMENTS

The [Wyoming 2014 legislative session](#) began 10 FEB 14 and adjourned 6 MAR 14. For information about legislation in 2014, refer to the [April 2014](#) edition of the Review.

Department of Defense Activity

ENERGY

ARMY DIRECTIVE FOR ADVANCED UTILITY METERING The Secretary of the Army signed Army Directive [2014-10](#) (Advanced Metering of Utilities). The directive sets policy and assigns responsibilities for installing advanced meters on utility systems at Army installations. It establishes standards and milestones for installation of advanced metering for electricity, natural gas, steam, and water. It also requires the Office of Assistant Chief of Staff for Installation Management (OACSIM) to develop, within nine months, a meter data management plan that describes how the Army plans to cost-effectively deploy advanced metering systems and how it intends to use the meter data to manage energy and water use. The plan will include all utility meters and provide guidance on prioritization.

COMMITTEE SUGGESTS POWER PURCHASE AGREEMENTS COULD SUPPORT REGIONAL PROJECTS The Senate Armed Services Committee issued a [report](#) suggesting the DoD should build on its use of power purchase agreements (PPAs) at individual installations and consider regional initiatives. The report acknowledged DoD's achievements in using PPAs to purchase renewable energy under long-term, competitive prices while shifting operational costs to power suppliers. The report notes that the authority for DoD to enter into PPAs comes from Title 10 U.S. Code Section 2922a ([10 USC 2922a](#)) and that authority is not restricted to individual installations. The report, S. 113-176, which accompanied Senate Bill 2410 is available from the [committee website](#).

EPEAT LIST EXPANDED DoD, General Services Administration (GSA), and National Aeronautics and Space Administration (NASA) issued an interim final rule expanding the Federal Acquisition Regulation (FAR) for Electronic Product Environmental Assessment Tool (EPEAT)-registered products ([79 FR 35859](#)). The FAR now includes televisions and imaging equipment (i.e., copiers, digital duplicators, facsimile machines, mailing machines, multifunction devices, printers, and scanners). The interim final rule was effective 24 JUN 14. Comments submitted by 25 AUG 14 will be considered in the formulation of a final rule. For more information, contact Edward Chambers at (202) 501-3221.

NATURAL RESOURCES

CORRECTION: AIR FORCE NEPA PROCESS The Air Force made technical corrections to its Environmental Impact Analysis Process, codified at [32 CFR 989 \(79 FR 35286\)](#). The rule describes the Air Force process for compliance with the National Environmental Policy Act (NEPA) and Executive Order (EO) [12114](#) (Environmental Effects Abroad of Major Federal Actions). This final rule was effective 20 JUN 14. For more information, contact Jack Bush at (703) 614-0237.

Federal Activity

SEMIANNUAL REGULATORY AGENDA Federal agencies have released their semiannual regulatory agendas ([79 FR 34115](#)). The agendas update the public on regulations and major policies currently under development. For information about policies under development, visit the [reginfo.gov](#) website and click on the current agenda and plan under the Unified Agenda tab, then select the agency of interest to view ongoing rule updates.

AIR

NONATTAINMENT CLASSIFICATION AND SIP DEADLINES FOR PM2.5 NAAQS In response to a court remand, the Environmental Protection Agency (EPA) issued a final rule that affects areas in nonattainment for the 1997 and 2006

PM2.5 national ambient air quality standards (NAAQS). In 2013, the D.C. Circuit Court determined that the EPA should be implementing its PM2.5 standards under different Clean Air Act (CAA) requirements than those the EPA had been following. These standards, found in [CAA, Title I, Part D, Subpart 4](#), require the EPA to classify areas based on the severity of their PM2.5 pollution. The rule takes final action on the classifications. The rule sets a deadline of 31 DEC 14 for states to submit any remaining attainment-related state implementation plans (SIPs). For more information, contact Mia South at (919) 541-5550, visit [EPA's website for PM2.5](#), or view this [factsheet](#).

INTEGRATED REVIEW PLAN: NAAQS FOR NO₂ EPA released a final integrated review plan for the primary nitrogen dioxide (NO₂) NAAQS ([79 FR 36801](#)). The document contains the plans for review of the air quality criteria for health for nitrogen oxides (NO_x) and primary NAAQS for NO₂. The primary NO₂ NAAQS provide for the protection of public health from exposure to NO_x in ambient air. For more information, contact [Beth Hassett-Sipple](#) at (919) 541-4605 or visit EPA's [NO₂ standards website](#).

CLIMATE CHANGE

SUPREME COURT RULES ON EPA REGULATION OF GHG On June 23, 2014, the U.S. Supreme Court issued its decision in *Utility Air Regulatory Group v. EPA* ([No. 12-1146](#)). The Court said that EPA may not treat greenhouse gases (GHGs) as an air pollutant for purposes of determining whether a source is a major source required to obtain a permit under the Prevention of Significant Deterioration (PSD) program or Title V. The Court also said that PSD permits that are otherwise required (based on emissions of other pollutants) may continue to require limitations on GHG emissions based on the application of Best Available Control Technology (BACT). EPA is currently evaluating the implications of the Court's decision and awaiting further action by the U.S. Courts. As the agency seeks to understand the full impact of the decision on PSD and Title V permitting regulations, it will provide relevant guidance and information on GHG permitting requirements through [this website](#).

GAO REVIEW OF DoD CLIMATE CHANGE ADAPTATION The Government Accountability Office (GAO) conducted a review of DoD's actions to adapt its U.S. infrastructure to the challenges of climate change and issued a report ([GAO-14-446](#)). For this report, GAO reviewed DoD documents on climate change, infrastructure planning, and funding processes; interviewed cognizant officials; and visited or contacted 15 sites in various regions and from each military department. What GAO found is that installation officials rarely propose climate change adaptation projects because the services' processes for approving and funding military construction projects do not include climate change adaptation in the criteria used to rank potential projects. As a result, installation planners may believe that climate change adaptation projects are unlikely to successfully compete with other military construction projects for funding. GAO recommends that DoD develop a plan and milestones for completing climate change vulnerability assessments of installations; provide information to installation planners clarifying actions that should be taken to account for climate change in planning documents; and clarify the processes used to compare military construction projects for funding, to include consideration of potential climate change impacts. DoD concurred with GAO's recommendations.

CARBON EMISSION GUIDELINES FOR EXISTING STATIONARY EGUS EPA is proposing new rules that would require states to reduce GHG emissions from existing fossil fuel-fired utility electric generating units (EGUs) ([79 FR 34829](#)). The proposal is part of EPA's plan to reduce power plant carbon dioxide (CO₂) emissions by approximately 30% below 2005 levels by 2030. In the action, EPA is proposing guidelines states would use to develop state-specific goals and plans to achieve those goals. EPA is also proposing state-specific rate-based goals for CO₂ emissions from the power sector. Comments are due 16 OCT 14. Public hearings are scheduled for the week of 28 JUL 14 in Atlanta, Georgia, Denver, Colorado, Washington, D.C., and Pittsburg, Pennsylvania. For more information, contact [Amy Vasu](#) at (919) 541-0107 or view this [fact sheet](#).

CARBON EMISSION GUIDELINES FOR MODIFIED STATIONARY EGUS EPA is proposing new rules that would require states to reduce GHG emissions from modified and reconstructed fossil fuel-fired utility EGUs ([79 FR 34959](#)). Specifically, EPA is proposing standards to limit emissions of CO₂ from affected modified and reconstructed electric utility steam generating units and natural gas-fired stationary combustion turbines. Comments are due 16 OCT 14.

Public hearings are scheduled for the week of 28 JUL 14 in Atlanta, Georgia, Denver, Colorado, Washington, D.C., and Pittsburg, Pennsylvania. For more information, contact [Amy Vasu](#) at (919) 541-0107, or view this [fact sheet](#).

REVIEW OF PRESIDENT OBAMA’S CLIMATE ACTION PLAN The Congressional Research Service (CRS) prepared [a report](#) to Congress summarizing President Obama’s Climate Action Plan and actions taken to date, including quotes from speeches, Executive Orders issued, and proposed/final regulatory actions to limit carbon emissions. The report also includes a discussion of climate impacts related to the proposed Keystone XL pipeline, and a list of possible issues for Congress to explore.

CERCLA

STANDARDS AND PRACTICES FOR ALL APPROPRIATE INQUIRIES EPA is proposing to amend the standards and practices for conducting all appropriate inquiries under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) ([79 FR 34480](#)). In this action, EPA is proposing to remove the reference to ASTM International's E1527-05 (Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process) from the All Appropriate Inquiries rule. Comments are due 17 JUL 14. For more information, contact [Patricia Overmeyer](#) at (202) 566-2774.

ENERGY

GEOTHERMAL DATA The Department of Energy (DOE) launched the [National Geothermal Data System](#), an online open-source platform to facilitate the discovery and use of geothermal data, enabling researchers to speed geothermal energy development. The online tool will allow access to quantifiable, technical data in digital format, breaking down barriers to development and deployment of geothermal energy. The public data platform encompasses thousands of databases, geologic maps, and reports. It draws from digitized records that were previously unavailable in an effort to aid discovery of new data on geologic features, faults, seismicity, heat flow, geochemistry, drilling, and temperatures at various depths and in specific geographic areas.

GRID-CONNECTED BUILDINGS AND EQUIPMENT DOE is soliciting public comment on a draft framework for the physical characterization of grid-connected commercial and residential buildings end-use equipment and appliances ([79 FR 32542](#)). A [public meeting](#) was held 11 JUL 14. For more information, contact [Joseph Hagerman](#) at (202) 586-4549.

NATURAL AND CULTURAL RESOURCES

NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT REGULATIONS The Department of Interior (DOI) confirmed the interim final rule published [5 JUL 11](#), which removed the definition of Indian tribe from regulations implementing the Native American Graves Protection and Repatriation Act (NAGPRA), because the definition is inconsistent with the statutory definition of that term ([79 FR 33482](#)). The action confirms the 5 JUL 11 rule without change. DOI rules implementing NAGPRA expanded the definition of Indian tribe to include any Alaska Native corporation. In July 2010, GAO issued a report ([GAO-10-768](#)) noting the inconsistency and the uncertainties created by the expanded definition and made recommendations that DOI reassess whether Alaska Native Claims Settlement Act (ANCSA) corporations should be considered as eligible entities. DOI’s action confirms that Alaska Native corporations have been removed from the definition of Indian tribe in NAGPRA implementing regulations. The final rule was effective 11 JUN 14. For more information, contact [Sherry Hutt](#) (202) 354-1479.

THREATENED AND ENDANGERED SPECIES

COMMENT PERIOD EXTENDED: CRITICAL HABITAT DEFINITIONS AND REGULATIONS The Fish and Wildlife Service (FWS) and National Marine Fisheries Service (NMFS) extended the public comment period for their 12 MAY 14 proposed amendments to definitions and regulations regarding critical habitat under the Endangered Species Act (ESA) ([79 FR 36284](#)). The [proposed amendment to definitions](#) would revise the term destruction or adverse modification (50 CFR Part 402.02). The [proposed rule to revise regulations](#) for designating critical habitat would clarify procedures for

designating and revising critical habitat by making minor edits to the scope and purpose, adding and removing some definitions, and clarifying the criteria for designating critical habitat. Comments are due 9 OCT 14. For more information about the proposed revised definition of destruction or adverse modification of critical habitat, contact Patrice Ashfield (FWS) at (703) 358-2171 or Cathryn Tortorici (NMFS) at (301) 427-8405. For more information about the proposed revised regulations for designating critical habitat, contact Douglas Krofta (FWS) at (703) 358-2527 or Marta Nammack (NMFS) at (301) 427-8469.

COMMENT PERIOD EXTENDED: POLICY FOR CRITICAL HABITAT EXCLUSIONS FWS and NMFS extended the public comment period for their [12 MAY 14](#) proposed draft policy regarding implementation of ESA Section 4(b)(2) ([79 FR 36330](#)). The draft policy on exclusions from critical habitat provides the services' position on how they consider partnerships and conservation plans, conservation plans permitted under ESA Section 10 (i.e., incidental take), tribal lands, national security and homeland security impacts and military lands, federal lands, and economic impacts in the exclusion process. The draft policy is meant to complement the amendments to service regulations regarding impact analyses of critical habitat designations. It is intended to clarify expectations regarding critical habitat and provide for a credible, predictable, and simplified critical habitat exclusion process. Comments are due 9 OCT 14. For more information, contact Douglas Krofta (FWS) at (703) 358-2527 or Marta Nammack (NMFS) at (301) 427-8469.

FWS EAGLE TAKE PROGRAM FWS announced it will hold five public scoping meetings to inform its decision to prepare either an Environmental Assessment (EA) or an Environmental Impact Statement (EIS) in conjunction with an evaluation of its eagle management objectives ([79 FR 35564](#)). Under the current management approach, permitted take of bald eagles is capped at 5% estimated annual productivity for bald eagles. Because FWS lacked data, it set take thresholds for golden eagles at zero for all regional populations. The decision to prepare an EA or EIS will be contingent on the complexity of issues identified during and following the scoping phase of the NEPA process. Meetings are scheduled for July and August 2014. Comments are due 22 SEP 14. For more information, contact [Eliza Savage](#) at (703) 358-2329 or visit the FWS [Migratory Bird Program website](#).

VOLUNTARY GUIDELINES TO PREVENT INTRODUCTION AND SPREAD OF AQUATIC INVASIVE SPECIES FWS released voluntary guidelines to prevent the introduction and spread of aquatic invasive species from [recreational activities](#) and [water gardening](#) ([79 FR 32308](#)). The voluntary guidelines are intended for use by agencies and organizations to inform the public and industry about the risks associated with everyday activities that may spread aquatic invasive species. The intent of this information is to encourage the public and industry to take precautions to limit the spread of aquatic invasive species. For more information, contact [Laura Norcutt](#) or visit the Aquatic Nuisance Species Taskforce [website](#).

CRITICAL HABITAT: CANADA LYNX DPS FWS reopened the public comment period on its [26 SEP 13](#) proposed revised designation of critical habitat for the contiguous U.S. distinct population segment (DPS) of the [Canada lynx](#) (*Lynx canadensis*) ([79 FR 35303](#)). The 26 SEP 13 revision would designate critical habitat for the DPS in northern Maine (unit 1), northeastern Minnesota (unit 2), northwestern Montana and northeastern Idaho (unit 3), north-central Washington (unit 4), and southwestern Montana and northwestern Wyoming (unit 5). Comments are due 21 JUL 14. For more information, contact Jodi Bush at (406) 449-5225.

LONG-EARED BAT FWS announced a six-month extension of its final determination of whether to list the [northern long-eared bat](#) (*Myotis septentrionalis*) as endangered ([79 FR 36698](#)). The service also reopened its comment period on its [2 OCT 13](#) proposed rule to list the species. The northern long-eared bat is found in the United States from Maine to North Carolina on the Atlantic Coast, westward to eastern Oklahoma and north through the Dakotas, reaching into eastern Montana and Wyoming. In Canada, it is found from the Atlantic Coast westward to the southern Yukon Territory and eastern British Columbia. Comments are due 29 AUG 14. FWS intends to publish a listing determination on or before 2 APR 15. For more information, contact Lisa Mandell at (612) 725-3548, ext. 2201.

NEW MEXICO JUMPING MOUSE FWS determined threatened status for the [New Mexico jumping mouse](#) (*Zapus hudsonius luteus*), which is found in Arizona, Colorado, and New Mexico ([79 FR 33119](#)). In addition, the service

announced it will publish critical habitat designation for the species as soon as possible. The final status rule was effective 10 JUL 14. For more information, contact Wally Murphy at (505) 346-2525.

TOXICS

DLA PCB IMPORT EXEMPTION: FINAL DIRECT RULE WITHDRAWN EPA withdrew its [2 APR 14 direct final rule](#) that would have allowed the Defense Logistics Agency (DLA) to import foreign-manufactured polychlorinated biphenyls (PCBs) from Japan beginning on 1 JUL 14 ([79 FR 33867](#)). An [accompanying proposed rule](#) was not withdrawn. A public hearing to receive public comment on the proposed rule was held 8 JUL 14. For more information, contact [William Noggle](#) at (703) 347-8769 or visit this [EPA website](#).

SAFER SUBSTITUTES FOR FLAME RETARDANTS EPA released a [final report](#) on alternatives to the flame retardant hexabromocyclododecane (HBCD) and an updated draft report on alternatives to the flame retardant pentabromodiphenyl ether (pentaBDE). These alternatives were identified through EPA's [Design for the Environment \(DfE\) Alternatives Assessment Program](#). For more information, contact Emma Lavoie or visit EPA's [website](#) for flame retardant chemicals.

TCE RISK ASSESSMENT EPA [released](#) its final risk assessment for trichloroethylene (TCE). The final TCE risk assessment was developed as part of the agency's Toxic Substances Control Act (TSCA) Work Plan, which identified chemicals for review and assessment of potential health risks those chemicals may pose. The assessment identifies health risks from TCE exposure to consumers from using spray products and workers using TCE as a degreaser/dry cleaning agent. A workshop on potential TCE degreaser alternatives is scheduled for 29-30 JUL 14. For additional information, visit EPA's [website for TSCA work plan chemicals](#).

HEALTH OF HONEY BEES AND OTHER POLLINATORS The President released a [memorandum](#) addressing federal efforts to enhance the health of pollinators, including honey bees, native bees, birds, bats, and butterflies ([79 FR 35901](#)). The memorandum establishes a Pollinator Health Task Force, co-chaired by the Department of Agriculture and EPA, and including DoD and other agency heads. The task force will develop a National Pollinator Health Strategy, with explicit goals and a Pollinator Research Action Plan. Task force member agencies will develop plans to enhance pollinator habitat, and subsequently implement, as appropriate, such plans on managed lands and facilities. Task force member agencies will incorporate pollinator health as a component of all future restoration and reclamation projects. Consistent with law and the availability of appropriations, DoD will support habitat restoration projects for pollinators and direct military service installations to use, when possible, pollinator-friendly native landscaping and minimize use of pesticides harmful to pollinators through integrated vegetation and pest management practices. The U.S. Army Corps of Engineers (USACE) will incorporate conservation practices for pollinator habitat improvement on the 12 million acres of lands and waters at resource development projects across the country, as appropriate. The Council on Environmental Quality and GSA will revise respective guidance documents for designed landscapes and public buildings to incorporate, as appropriate, pollinator-friendly practices into site landscape performance requirements to create and maintain high quality habitats for pollinators. Future landscaping projects at all federal facilities will, to the maximum extent appropriate, use plants beneficial to pollinators.

WASTE

DEFINITION OF HAZARDOUS WASTE EPA published a correction to [40 CFR 261.3](#) to clarify that the [rebuttable presumption](#) does not apply to certain metalworking oils/fluids containing chlorinated paraffins and to certain used oils contaminated with chlorofluorocarbons (CFCs) removed from refrigeration units ([79 FR 35290](#)). The final rule was effective 20 JUN 14.

WATER

WESTERN GOVERNORS SIGN PACT TO PROVIDE DROUGHT INFORMATION TO STATES The Western Governors' Association (WGA) [signed](#) a memorandum of understanding (MOU) with the National Oceanic and Atmospheric Administration

(NOAA) that renews and strengthens collaboration on drought and flood preparedness. The purpose of the [MOU](#) is to improve the development, coordination, and dissemination of drought and extreme weather data, information, and analysis in support of resource management decisions in Western states. The parties to the MOU will work to ensure that collection and sharing of crucial drought, flooding, and extreme weather-related data and information are improved and sustained. This may include soil moisture monitoring in the Missouri River Basin and snowpack monitoring in the Mountain West and coastal watersheds.

MS4 PERMIT COMPENDIUM OF STATE PERMITTING APPROACHES EPA released a [MS4 Permit Compendium](#) of state municipal separate storm sewer system (MS4) permitting approaches. To develop the compendium, EPA reviewed all state and EPA-issued individual and general MS4 permits issued up to June 2014. The review focused on MS4 permitting approaches that incorporated retention-based post-construction standards. It also focused on permitting approaches that directly implement TMDLs through numeric requirements or pollutant-specific management measures, or a combination of both. The compendium, which presents examples of different permitting approaches, is divided into two major sections. Section A provides examples of permits that implement post-construction performance and/or design standards. Section B presents different permitting approaches to address impaired waters and TMDLs. Some permits appear in more than one category. For more information, visit EPA's [Stormwater MS4 website](#).

COMMENT PERIOD EXTENDED: AGRICULTURAL ACTIVITY PERMIT EXEMPTION EPA and USACE extended the comment period for their [21 APR 14](#) proposal to exempt certain agricultural activities from Clean Water Act (CWA) Section 404 dredge and fill permits ([79 FR 34526](#)). The public comment period was extended to 7 JUL 14. For more information, contact [Damaris Christensen](#) (EPA) at (202) 566-2442 or [Stacey Jensen](#) (USACE) at (202) 761-5856.

COMMENT PERIOD EXTENDED: DEFINITION OF WATERS OF THE U.S. EPA and USACE extended the public comment period for the [proposed rule](#) titled *Definition of 'Waters of the United States' Under the Clean Water Act* published 21 APR 14 ([79 FR 35712](#)). Comments are due 20 OCT 14. For more information, contact [Donna Downing](#) (EPA) at (202) 566-2428 or [Stacey Jensen](#) (USACE) at (202) 761-5856.

ALTERNATIVE TEST METHODS APPROVED FOR DRINKING WATER EPA approved 21 alternative test methods for use in determining the compliance with national primary drinking water regulations ([79 FR 35081](#)). The final rule is effective 19 JUN 14. The new methods are listed along with other approved methods on EPA's website. For more information, contact [Glynda Smith](#) at (513) 569-7652, visit EPA's [website](#), or view this [fact sheet](#).

Professional Development

FEDERAL FACILITIES ENVIRONMENTAL STEWARDSHIP AND COMPLIANCE ASSISTANCE CENTER - [FedCenter.gov](#) is the federal government's home for comprehensive environmental stewardship, compliance assistance, and professional development information. FedCenter.gov provides a wide variety of information in the following areas:

- Program development (e.g., environmental management systems, green procurement program);
- Federal and state regulatory requirements for various facility activities;
- Regulatory Watch for information on new or changed laws or regulations;
- P2 opportunities and best management practices;
- EPA enforcement notices;
- Links to state environmental programs;
- Access to [environmental assistance](#);
- Access to free, FedCenter-sponsored courses:
 - [Environmental Compliance for Federal Laboratories](#) (FedCenter membership required);
 - [Environmental Management Systems](#) (FedCenter membership required);
 - [Underground Storage Tanks](#) (FedCenter membership required);

- Environmental [conferences](#), meetings, [training](#), and workshop information;
- Applicable laws and Executive Orders; and
- Industry sector-specific newsletters.

FedCenter also provides member assistance services such as:

- Collaboration tools for workgroups,
- Environmental reporting tools, and
- Daily newsletter and subscription services.

USACE PROSPECT TRAINING USACE announces course availability for the FY14 PROSPECT (i.e., Proponent-Sponsored Engineer Corps Training) program. Please see the [Course Catalog \(a.k.a. Purple Book\)](#) and [List of Classes and schedule](#) for details. Courses are open to all federal, state, county and city employees and contractors. There are different registration processes for each entity.

NAVY AND ISEERB ENVIRONMENTAL TRAINING FY14 The Navy and the Interservice Environmental Education Review Board (ISEERB) Environmental Training schedule for FY14 is available. Course topics include environmental overview and management, law planning and sustainability, pollution prevention, restoration, conservation, supplemental and Internet/computer-based training, and more.

AIR FORCE CIVIL ENGINEERING SCHOOL TRAINING FY14 The Air Force Civil Engineering School offers a variety of environmental management courses and seminars, including ISEERB offerings. Courses offered by the Civil Engineer School are available to all military and civilian employees of the U.S. government, free of charges. Travel costs are borne by the student.

DEFENSE AND FEDERAL ENVIRONMENTAL TRAINING/AWARENESS The U.S. Army offers numerous environmental training courses (classroom and online). Explore training opportunities on the [US Army Environmental Command \(AEC\) website](#), which has links to training provided by DoD organizations.

24-26 JUN 14 LOS ANGELES, CALIFORNIA ESPC COMPREHENSIVE WORKSHOP. This three-day comprehensive [workshop](#) covers the process of implementing Energy Savings Performance Contract (ESPC) projects, from the initial steps of acquisition planning through project development, task order award, construction, project acceptance by the government, and the performance period.

Online Training

FEMP eTRAINING COURSES The Federal Energy Management Program (FEMP) offers interactive, online eTraining courses to help federal agencies develop core competencies and comply with energy-efficiency and renewable-energy water-management and sustainability requirements. FEMP is partnering with the National Institute of Building Sciences' Whole Building Design Guide (WBDG) to host these comprehensive, FEMP-developed eTraining courses. [Promotional materials](#) are available to help federal agencies encourage the completion of FEMP's eTraining courses. For more information about FEMP eTraining courses, contact [Beverly Dyer](#) at (202) 586-7753. The following courses are available:

- [Advanced Electric Metering in Federal Facilities](#) (3.5 hours, .40 CEUs)
- [Building Automation Systems for Existing Federal Facilities](#) (3.5 hours, .40 CEUs)
- [Commissioning for Existing Federal Buildings](#) (4.5 hours, .50 CEUs)
- [Energy-Efficient Federal Purchasing](#) (4.5 hours, .50 CEUs)
- [Energy Savings Performance Contracting](#) (8.5 hours, .90 CEUs)
- [Federal On-Site Renewable Power Purchase Agreements](#) (2.5 hours, .30 CEUs)
- [Launching a Utility Energy Services Contract \(UESC\): Getting to Yes!](#) (3 hours, .40 CEUs)
- [Managing Water Assessment in Federal Facilities](#) (3.5 hours, .40 CEUs)

- [Measurement and Verification in ESPCs](#) (3 hours, .40 CEUs)
- [Planning an Energy Assessment for Federal Facilities](#) (4 hours, .50 CEUs)
- [Selecting, Implementing, and Funding Photovoltaic Systems in Federal Facilities](#) (3.5 hours, .40 CEUs)
- [Sustainable Institutional Change for Federal Facility Managers](#) (3 hours, .40 CEUs)
- [Utility Service Contracts and Energy Project Incentive Funds](#) (90 minutes)

ENERGY STAR WEBCASTS. Among the offerings:

- [Federal Guiding Principles Checklist](#) – This webcast will teach federal energy and sustainability professionals how to use the ENERGY STAR® measurement and tracking tool, Portfolio Manager, to help ensure compliance with the Guiding Principles for High Performance Sustainable Buildings required by Executive Orders 13423 and 13514. The focus is on the Guiding Principles for Sustainable Existing Buildings.
- [Portfolio Manager 101](#) – This webcast demonstrates the core functionality of EPA’s new Energy Star Portfolio Manager tool. Attendees will learn to navigate the new Portfolio Manager, add a property and enter details, enter energy and water consumption data, share properties, generate performance reports to assess progress, and respond to data requests.
- [Portfolio Manager 201](#) – This webcast will explore advanced functionalities of EPA’s Energy Star Portfolio Manager tool, including managing and tracking changes to property uses over time; using spreadsheet templates to update property data; setting goals and targets to plan energy improvements for properties; generating and using custom reports; and using the Sustainable Buildings Checklist.

CLIMATE READY WATER UTILITIES EPA’s Climate Ready Water Utilities initiative assists the water sector (drinking water, wastewater, and stormwater utilities) in addressing impacts from climate change. This information helps utility owners and operators better prepare their systems for the impacts of climate change. The website has links to [tools and resources](#), new and recorded [training webinars](#), and more.

CLIMATE CHANGE SCIENCE AND MANAGEMENT WEBINAR SERIES This [webinar series](#) was developed to inform scientists, land managers, and the public about potential and predicted climate change impacts on fish and wildlife and to help guide resource management decisions across the United States. Video recordings with closed captioning are made available one to two weeks after each presentation.

WATER’S IMPACT ON THE ENERGY SECTOR This webinar features Stacy Tellinghuisen, senior energy/water policy analyst at Western Resource Advocates, who shares new research on the national impacts of water scarcity on the energy sector, including how the expanded use of renewable energy and energy efficiency can help reduce the potential impacts that prolonged droughts will have on the energy sector.

READINESS AND ENVIRONMENTAL PROTECTION INTEGRATION PROGRAM – Webinar Series The REPI Webinar Series is presented by DoD in partnership with the [Land Trust Alliance](#). This online series covers best practices, tutorials and knowledge sharing on REPI partnerships that support military mission and accelerate the pace and rate of conservation. All webinars begin at 1:00 p.m. Eastern unless otherwise noted.

EPA NPDES TRAINING COURSES AND WORKSHOPS Training courses, workshops, and webcasts explain the regulatory framework and technical considerations of the NPDES Permit program. They are designed for permit writers, dischargers, EPA officials, and other interested parties. Topics include vessel general permits, combined sewer overflows, energy management, green infrastructure, pesticides, pretreatment, sanitary sewer overflows, and stormwater.

EPA SUSTAINABLE MATERIALS MANAGEMENT ACADEMY Learn about key issues, successful projects, and a variety of best management practices for creating waste management programs. Building on the familiar concept of [Reduce, Reuse, Recycle](#), sustainable materials management (SMM) is a systemic approach that seeks to reduce materials use and their associated environmental impacts over their entire life cycle, starting with extraction of natural resources and

product design and ending with decisions on recycling or final disposal. The format is a formal presentation followed by a question and answer session.

ITRC INTERNET BASED TRAINING The Interstate Technology and Regulatory Council (ITRC) is a state-led coalition working with federal partners, industry, academia, and stakeholders to achieve regulatory acceptance of environmental technologies. In conjunction with EPA's Technology Innovation and Field Services Division, ITRC delivers training courses via the Internet to reach a geographically dispersed audience of regulators, consultants, and other members of the environmental community. The training sessions last approximately two hours, cover technical and regulatory information specific to environmental technologies and innovative approaches, and are supported by consensus-based ITRC guidance documents. Visit the site often to view upcoming internet-based training events.

EPA RCRA TRAINING RCRA-related online courses, seminars, webinars, podcasts, and videos are posted throughout EPA's waste website. Introductory and advanced courses are included for federal and state regulators, the regulated community, organizations, associations, and consumers interested in environmental laws, regulations, and implementation. Topics include general RCRA, RCRA corrective action, Environmental Management Systems (EMS), e-waste, groundwater characterization and cleanup, land revitalization, land disposal restrictions, sustainable materials management web academy, and environmental justice and RCRA permitting.

AMPHIBIAN AND REPTILE WEB-BASED LECTURE SERIES DoD's [Partners in Amphibian and Reptile Conservation \(PARC\)](#) hosts a monthly lecture series conducted by DoD biologists and professional herpetologists. The lecture series is conducted using Defense Connect Online. The goal of the lecture series is to help members stay connected and keep up with scientific studies and news. Copies of previous lectures are available on the [PARC group and photo site](#).

AREA SOURCE BOILER RULE VIDEO SERIES A new [EPA video series](#) explaining the Area Source Boiler Rule recently became available. The series consists of modules regarding:

- An overview of rule applicability, including specific rule requirements and compliance dates;
- How to conduct an energy assessment;
- How to conduct a boiler tune-up; and
- Recordkeeping and reporting requirements of the rule.

Area sources are commercial (e.g., laundries, apartments, hotels), institutional (e.g., schools, churches, medical centers, municipal buildings) or industrial (e.g., manufacturing, refining, processing, mining) facilities that emit or have the potential to emit less than 10 tons per year (tpy) of a single hazardous air pollutant, or less than 25 tpy combined hazardous air pollutants. The Area Source Boiler Rule affects boilers at these facilities that burn coal (including coal refuse, petroleum coke, or synthetic fuels derived from coal), oil or other liquid fuel, biomass, and non-waste materials. 2014 compliance dates for the Area Source Boiler Rule include:

- 21 MAR 14—deadline for completing the initial tune-up for existing boilers, and
- 19 JUL 14—deadline for submitting the notification of compliance status (NOCS) for tune-ups.

VARIOUS DATES: THROUGH AUGUST 2014. [FOG Prevention Training for Rural Communities in the Pacific Northwest](#). The Pacific Northwest Pollution Prevention Resource Center (PPRC) is providing one day workshops for rural communities in Alaska, Idaho, Oregon, and Washington to reduce the harmful impacts of fats, oils, and grease (FOG) in sewers. For information about workshop locations, dates, and times, contact the [Pacific Northwest Pollution Prevention Resource Center](#).

BEST PRACTICES FOR COMPREHENSIVE WATER MANAGEMENT FOR FEDERAL FACILITIES This comprehensive water management training provides federal facility and energy managers with knowledge and skills to assist in meeting water-related legislative and executive order requirements. Learners will develop skills in increasing water efficiency and reducing water use through sound operations and maintenance practices and water-efficient technologies. Several methods for meeting needs for non-potable water through alternate water sources, such as rainwater harvesting,

reclaimed wastewater, and gray water are discussed. Water metering is covered, as well as life cycle costing and establishing the overall economics for strategic water management.

MILITARY MUNITIONS SUPPORT SERVICES - MMRP TOOLS This is one of the monthly webinar sessions for the Military Munitions Support Services (M2S2) community. During this session, speakers will make presentations on a variety of topics relative to the latest updates on successful use of MMRP tools.

PRELIMINARY ASSESSMENT AND SITE INSPECTION (PA/SI) WEBINAR SERIES The CERCLA Education Center (CEC) is offering a nine-part Preliminary Assessment and Site Inspection (PA/SI) [webinar series](#) in June and July 2014. PA/SI is an intermediate training course designed for personnel who are required to compile, draft, and review PA, SI and hazard ranking system (HRS) documentation records and packages submitted for sites proposed for the National Priorities List (NPL). If you are unable to make one of the sessions, archived versions will be made available at www.clu-in.org. The series includes:

- **Module 1: Overview of the Site Assessment Process under CERCLA.** 30 JUN 14. This introductory module will provide an overview of key provisions of CERCLA and the response process established by the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). In addition, it will provide an overview of the purpose, scope, and requirements for performing a remedial PA and remedial SI at sites regulated under the Comprehensive Emergency Response and Cleanup Liability Act (CERCLA).
- **Module 2: Basics of Performing Site Assessments and Conducting the PA.** 2 JUL 14. This module will provide an overview of the basics of performing site assessments including the purpose and scope of the different steps in the site assessment process and the roles and responsibilities of the different parties involved. It will identify and explain procedures for performing a remedial PA.
- **Module 3: Site Evaluation and Scoring Site Sources.** 7 JUL 14. This module focuses on the specific elements of the scoring process that participants must understand to successfully apply the scoring model to a PA.
- **Module 4: PA Scoring Exercise: Groundwater Migration Pathway.** 9 JUL 14. This module will review the groundwater migration pathway. Participants will review appropriate site information and the instructors will lead them through inputting the information into the Quickscore software.
- **Module 5: PA Scoring Exercise: Surface Water Migration Pathway.** 11 JUL 14. This module will review the surface water migration pathway. Participants will review appropriate site information and the instructors will lead them through inputting the information into the Quickscore software.
- **Module 6: PA Scoring Exercise: Soil Exposure and Air Migration Pathways.** 14 JUL 14. This module will review the soil exposure and the air migration pathways. Participants will review appropriate site information and the instructors will lead them through inputting the information into the Quickscore software.
- **Module 7: Conducting the SI, Overview of SI Strategies, and Site Sources.** 21 JUL 14. This module will identify the step-by-step activities for conducting a remedial SI, including discussion of health and safety considerations for field activities, establishing data quality objectives and developing sampling strategies to obtain data for HRS scoring, validating data and preparing a final report to document the decision-making process. It will provide an overview on how to develop SI sampling strategies that consider and address the needs of the HRS.
- **Module 8: SI Sampling Strategies for Groundwater and Surface Water.** 28 JUL 14. This module will provide an overview of SI sampling strategies for the groundwater migration pathway and the surface water migration pathway.
- **Module 9: SI Sampling Strategies for Soil and Air.** 30 JUL 14. This module will provide an overview of SI sampling strategies for the soil exposure pathway and the air migration pathway.

***ENERGY TRAINING FOR FEDS** FEMP is sponsoring, planning, and implementing the [Energy Exchange Training Event](#) in August 2015. The event will:

- Provide an effective and efficient forum to obtain valuable training
- Provide International Association for Continuing Education and Training (IACET) learning credits
- Facilitate the application of best practices

- Cover topics related to energy efficiency, renewable energy, transportation/fleet, water efficiency, and greenhouse gas management
- Demonstrate the connection between actions and impacts as related to energy consumption, sustainability, energy efficiency, and energy security
- Feature expertise from all levels of project and policy implementation to enable federal agencies to meet energy-related goals and provide energy leadership
- Satisfy training requirements mandated by and address requirements outlined in federal requirements and challenges.

***DISTRIBUTED-SCALE RENEWABLE ENERGY PROJECTS: FROM PLANNING TO PROJECT CLOSEOUT** [This 2.5 hour webinar](#) focuses on the planning and implementation of distributed-scale renewable energy projects (i.e., those smaller than 10 megawatts). The course outlines a detailed 10-step process from technology screening to project closeout. It explores online tools and resources for renewable energy projects on federal sites.

* indicates the first time a professional development opportunity appears in the Review.

How the Regional Offices Work for You

When used within the framework of ISO 14001, the *Western Region Review* can be part of an installation's procedures to satisfy Section 4.3.2 (Legal and other requirements) of ISO 14001. Information in the *Review* is intended for general guidance, and the reader should refer to cited source documents for more detailed information to determine the applicability and scope of the referenced legislation and regulations.

The US Army Regional Environmental and Energy Offices monitor state legislative and regulatory actions on your behalf. If a proposed state action has (1) critical mission impact; (2) conflicts with a federal requirement; and/or (3) a disproportionate effect on the Army or DoD, we coordinate with the potentially affected installations, commands, and/or other military Services to further assess the potential impact. If action is needed on a proposed measure we work with Army or Service regulatory experts to communicate DA/DoD position, coordinating with the affected installations and commands. Comments are combined from all parties in a single DoD/Army package and formally submitted to the state.

Want to comment on a rule or bill in the Review?

Please contact your Regional Environmental Coordinator listed in the Staff Directory.

Staff Directory

Mark Mahoney

Director /DoD REC Region 8
(303) 844-0956
mark.a.mahoney.civ@mail.mil

Kevin Ward

Regional Counsel
(303) 844-0955
kevin.m.ward40.civ@mail.mil

Park Haney

Deputy Director
(303) 844-0957
reed.p.haney.civ@mail.mil

Julia Miller

Region 8 Program Coordinator (Marstel-Day, LLC)
(303) 844-0952
julia.c.miller16.ctr@mail.mil

Tim Kilgannon

Army Coordinator Region 9
(303) 844-0953
timothy.r.kilgannon.civ@mail.mil

Park Haney

Acting Army Coordinator Region 10
(303) 844-0957
reed.p.haney.civ@mail.mil

Adriane Miller

Project Manager (Plexus Scientific Corporation)
(410) 278-6137
adriane.b.miller2.ctr@mail.mil

Nancy Reese

Regulatory Affairs Specialist (Marstel-Day, LLC)
(303) 844-0954
nancy.l.reese2.ctr@mail.mil

Additional Multi-Service Contacts

Clark Pitchford

Navy REC Region 8
(360) 315-5440
clark.pitchford@navy.mil

Mike Garrison

Air Force REC Region 8
(214) 767-4652
david.garrison.1@us.af.mil

Acronyms

ACHP	Advisory Council on Historic Preservation
ACUB	Army Compatible Use Buffer
AFFF	aqueous film forming foam
ARM	Administrative Rules of Montana
ATSDR	Agency for Toxic Substances and Disease Registry
BACT	best available control technology
BART	best available retro-fit technology
BLM	Bureau of Land Management
BTU	British thermal unit
CAA	Clean Air Act
CAFE	corporate average fuel economy
CAIR	Clean Air Interstate Rule
CAMR	Clean Air Mercury Rule
CCR	Code of Colorado Regulations
CDNR	Colorado Department of Natural Resources
CDPHE	Colorado Department of Public Health and Environment
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CEQ	Council on Environmental Quality
CFR	Code of Federal Regulation
CH ₄	methane
CNOR	candidate notice of review
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
COE	Corps of Engineers
CrVI	hexavalent chromium
CSB	Chemical Safety Board
CWA	Clean Water Act
CWQCC	Colorado Water Quality Control Commission
CX	categorical exclusion
DA	Department of Agriculture
DO	dissolved oxygen
DoD	Department of Defense
DOE	Department of Energy
DOI	Department of Interior
DOT	Department of Transportation
ECA	emission control area
DPS	distinct population segment
ECF	emission comparable fuel
EIO	Energy Initiatives Office
EIS	environmental impact statement
EO	Executive Order
EPA	Environmental Protection Agency
EQC	Environmental Quality Council
ESA	Endangered Species Act of 1973
ESTCP	Environmental Security Technology Certification Program
FERC	Federal Energy Regulatory Commission
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FONSI	finding of no significant impact
FS	Forest Service
FWS	Fish and Wildlife Service
FY	fiscal year
GAO	Government Accountability Office
GHG	greenhouse gas

GSA	General Service Administration
HCFC	hydrochlorofluorocarbon
HFC	hydrofluorocarbon
HFE	hydrofluorinated ethers
INRMP	integrated natural resource management plan
ISEERB	Interservice Environmental Education Review Board
ITRC	Interstate Technology and Regulatory Council
JLUS	Joint Land Use Study
LBP	lead-based paint
LEED	Leadership in Energy and Environmental Design
LID	Low-Impact Development
MACT	maximum achievable control technology
MBER	Montana Board of Environmental Review
MCL	maximum contaminant level
MCLG	maximum contaminant level goal
MDEQ	Montana Department of Environmental Quality
MDNRC	Montana Department of Natural Resources and Conservation
MERIT	Materials of Evolving Regulatory Interest Team
MGA	Midwestern Governors Association
MOU	memorandum of understanding
MMS	Minerals Management Service
MS4	municipal separate storm sewer system
MSGP	multi-sector general permit
N ₂ O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NCSL	National Conference of State Legislatures
NDDOH	North Dakota Department of Health
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NF ₃	nitrogen trifluoride
NHTSA	National Highway Transportation Safety Administration
NIST	National Institute of Standards and Technology
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NO ₂	nitrogen dioxide
NOx	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NRC	National Research Council
NSPS	New Source Performance Standard
NSR	New Source Review
OMB	Office of Management and Budget
ORCR	Office of Resource Conservation and Recovery
ORW	outstanding resource water
P2	pollution prevention
PBDE	polybrominated diphenyl ethers
PFC	perfluorocarbons
PFOA	perfluorooctanoic acid
PFOS	perfluorooctane sulfonic acid
PM	particulate matter
PM _{2.5}	particulate matter 2.5 microns in diameter or less
PM ₁₀	particulate matter 10 microns in diameter or less
POPs	persistent organic pollutants
ppb	parts per billion
PSD	Prevention of Significant Deterioration
PWS	public water system
RCRA	Resource Conservation and Recovery Act
RGGI	Regional Greenhouse Gas Initiative

RICE	Reciprocating Internal Combustion Engine
RoC	Report on Carcinogens
RoHS	European Union's Restriction of Hazardous Substances
RRP	Renovation, Repair, and Painting
SDDENR	South Dakota Department of Environment and Natural Resources
SERDP	Strategic Environmental Research and Development Program
SI	spark-ignition
SIP	State Implementation Plan
SNAP	significant new alternatives policy
SNUR	significant new use rule
SO ₂	sulfur dioxide
SOx	sulfur oxides
SPCC	spill prevention, control, and countermeasures
TiO ₂	titanium dioxide
TMDL	total maximum daily load
tpy	tons per year
TRI	Toxics Release Inventory
TSCA	Toxic Substance Control Act
UDEQ	Utah Department of Environmental Quality
UDNR	Utah Department of Natural Resources
UFC	Unified Facilities Criteria
ug/m ³	micrograms per cubic meter
UPDES	Utah Pollutant Discharge Elimination System
U.S.	United States
USACE	United States Army Corps of Engineers
USAEC	United States Army Environmental Command
USGS	United States Geological Survey
UST	underground storage tank
USTCA	Underground Storage Tank Compliance Act
VOC	volatile organic compound
WCI	Western Climate Initiative
WDEQ	Wyoming Department of Environmental Quality
WGA	Western Governors' Association
WOSL	Wyoming Office of State Lands
WRAP	Western Regional Air Partnership