



U.S. ARMY

Western Review

of Legislative & Regulatory Actions

Region 8



The U.S. Army Regional Environmental & Energy Office

May 2013

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

Regional News.....	2
Colorado.....	2
Montana.....	5
North Dakota.....	9
South Dakota.....	10
Utah.....	10
Wyoming.....	11
DoD Activity.....	11
Federal Activity.....	12
Professional Development.....	16
Staff Directory.....	19
Acronyms.....	20

Secretary of Defense Environmental Awards

Each year the DoD honors individuals, teams, and installations for their outstanding achievements and innovative environmental practices and partnerships that promote quality of life and increase efficiencies without compromising mission success. In the West, [this year's winners are:](#)

673rd Air Base Wing, Joint Base Elmendorf-Richardson, Alaska (Sustainability, Non-industrial Installation) By constructing a landfill gas waste-to-energy plant, the base was able to reduce greenhouse gas emissions and save \$73.6 million. In addition, base activities aided recovery of the Cook Inlet beluga whale while maintaining critical military training.

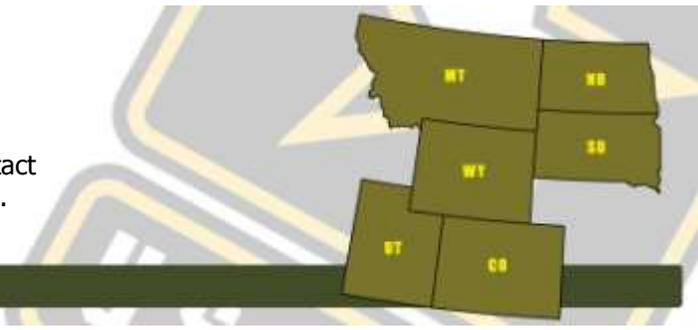
Dorenda Coleman, Arizona Army National Guard, Arizona (Sustainability, Individual/Team) Ms. Coleman was instrumental in efforts that ultimately resulted in an agreement making over three million acres of National Forest land available for military training and protecting Camp Navajo from encroachment. She played a key role in the certifications of the AZARNG's first two [LEED](#)-certified buildings and piloted a solar-powered parking lot project.

Naval Base Coronado, California (Natural Resources Conservation, Large Installation) NBC natural resources program efforts related to the San Clemente Island fox (considered for listing under the Endangered Species Act) resulted in a rebound of the species to the highest numbers ever recorded on the island. A status survey of rare plant species on San Clemente Island revealed a 10-fold increase in numbers of five listed plant species than were understood to occur. In addition, NBC successfully signed a record of decision that increased training tempo and expanded access to training areas at Silver Strand Training Complex.

June Noelani Cleghorn, Marine Corps Base Hawaii (Cultural Resources Management, Individual/Team) Ms. Cleghorn has managed several projects that enabled the execution of eight construction projects in support of MV-22 Osprey and H-1 tactical helicopter squadrons basing. Her efforts resulted in formal eligibility determinations for nearly 200 World War II era historic buildings on base. She developed a program for cultural resources management staff to teach curation and field survey techniques to Wounded Warrior and Fleet Assistance Program Marines. This program enabled the needed curation of archaeological collections and documentation at no cost while providing Marines with valuable non-military experience.

Region 8

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



REGIONAL NEWS

SHAUN MCGRATH APPOINTED EPA REGION 8 ADMINISTRATOR President Obama appointed [Shaun McGrath](#) as the regional administrator for the Environmental Protection Agency's (EPA's) Region 8 office in Denver, Colorado. Mr. McGrath joins the agency from Wheelhouse Associates, where he co-led the policy, program, and technology integration company's efforts to help governments advance clean energy and environmental goals. Expected to assume duties in May 2013, he replaces former Region 8 administrator James Martin, who resigned in February.



AIR

REGULATORY AGENDA: NEW STATIONARY SOURCES The Colorado Department of Public Health and Environment (CDPHE) adopted [amendments](#) to its standards of performance for new stationary sources. The amendments are intended to reduce the regulatory burden on owners and operators of internal combustion engines re-located into Colorado and in some cases could reduce the emission control requirements for these engines to the minimum standards required by federal New Source Performance Standards (NSPS) IIII or NSPS JJJJ requirements. This action amends Title 5, Colorado Code of Regulation (CCR) 1001-8, Regulation 6. The [final rule](#) is effective 15 MAY 13. For more information, contact [Stefanie Rucker](#) at (303) 692-3188.

LEGISLATIVE DEVELOPMENTS

The [Colorado 2013 legislative session](#) began 9 JAN 13 and adjourns 8 MAY 13. An * indicates the first time a bill appears in the 2013 Review.

<i>Colorado Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AIR/CLIMATE CHANGE				
HB 1091 <i>Representative Dave Young (D)</i> Proposes to authorize the Air Quality Control Commission to allow fleet owners to use an alternate method for demonstrating compliance with opacity standards.	✓	✓	✓	Signed by Governor
HB 1128 <i>Representative Lori Saine (R)</i> Proposes to allow a board of county commissioners to exclude any or all parts of the county from the enhanced motor vehicle emissions program area if the excluded part of the county does not violate air quality standards for carbon monoxide or ozone.	✓			Failed cross-over deadline

<i>Colorado Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
<p>*HB 1293 <i>Representative Paul Rosenthal (D)</i> Proposes to direct the Governor to establish a position for climate change issues. Requires the appointee to develop climate action plans and report to the general assembly regarding how climate change affects the state.</p>	✓	✓	✓	
<p>*SB 252 <i>Senator John P. Morse (D)</i> Proposes to raise the percentage of retail electricity sales that must be achieved from eligible energy resources by cooperative electric associations that provide service to 100,000 meters or more from 10% to 25%, starting in 2020. Increases the allowable retail rate impact for cooperative electric associations.</p>	✓	✓	✓	To Governor
ENERGY				
<p>HB 1110 <i>Representative Randy Fischer (D)</i> Proposes to lower the special fuel tax rates for compressed natural gas, liquefied natural gas, and liquefied petroleum gas, and to repeal the annual fee that is charged in lieu of the special fuel tax and the related decal system. Requires registration of plug-in electric vehicles.</p>	✓	✓	✓	To Governor
<p>SB 63 <i>Senator Kevin Grantham (R)</i> Proposes to address recycled energy (gas derived from waste) with regard to renewable energy standards and synthetic gas.</p>	✓			Failed cross-over deadline
LAND USE				
<p>SB 37 <i>Senator Larry Crowder (R)</i> Proposes to create the Pinon Canyon Maneuver Site Land Purchase Authority. Establishes its composition, management processes, responsibilities, and authorities; and its reporting and recordkeeping requirements.</p>	✓			Failed cross-over deadline
NATURAL RESOURCES				
<p>SB 83 <i>Senator Ellen Roberts (R)</i> Proposes to create the Colorado Prescribed Burning Act. The Act directs the Division of Natural Resources to promulgate rules for prescribed burning.</p>	✓	✓	✓	In concurrence
<p>SB 169 <i>Senator Larry Crowder (R)</i> Proposes to authorize the reintroduction of black-footed ferrets in Colorado pursuant to programmatic safe harbor agreements and enhancement-of-survival permits without further legislative approval.</p>	✓	✓	✓	
OTHER				
WASTE				
<p>SB 50 <i>Senator Nancy J. Todd (D)</i> Proposes to establish the Recycling Resources Economic Opportunity Fund. Specifies that fund monies be generated from fees on commercial disposal vehicles.</p>	✓	✓	✓	To Governor
<p>SB 57 <i>Senator Steve King (R)</i> Proposes to divest the CDPHE of the authority to review plans associated with solid waste facility design.</p>	✓			Failed cross-over deadline

<i>Colorado Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
WATER				
HB 1044 <i>Representative Randy Fischer (D)</i> Proposes to permit graywater to be used in accordance with terms and conditions of decrees or permits. Authorizes local authority discretion to authorize graywater use.	✓			Failed cross-over deadline
HB 1130 <i>Representative Jerry Sonnenberg (R)</i> Proposes to allow the state engineer to extend an original agreement for operation of an interruptible water supply.	✓	✓	✓	In concurrence
HB 1252 <i>Representative Millie Hamner (D)</i> Proposes to create the Petroleum Cleanup and Redevelopment Fund. Specifies how fund monies can be spent.	✓	✓	✓	To Governor
SB 19 <i>Senator Gail S. Schwartz (D)</i> Proposes to direct the water judge to disregard the decrease in use of water from government-sponsored conservation programs in its determinations of historical consumptive use in change of water right cases. Adds to the list a decrease in water use to provide for compact compliance.	✓	✓	✓	To Governor
SB 41 <i>Senator Mary Hodge (D)</i> Proposes to reverse certain Colorado Supreme Court holdings concerning flood control, fire or drought protection, beneficial use, and water rights.	✓	✓	✓	Signed by Governor
SB 72 <i>Senator Mary Hodge (D)</i> Proposes to delete a requirement for a final permit for all wells withdrawing designated ground water from the Denver basin aquifers.	✓	✓	✓	Signed by Governor
SB 74 <i>Senator Mary Hodge (D)</i> Proposes to create a mechanism to determine the acreage for an irrigation water right for which the original decree predates 1937 and is unclear about the amount of acreage that may be irrigated under the water right.	✓	✓	✓	Signed by Governor
SB 75 <i>Senator Greg Brophy (R)</i> Proposes to specify that once the state engineer issues a final permit for the withdrawal of designated ground water, the engineer cannot reduce the withdraw amount to promote conservation of water.	✓	✓	✓	Signed by Governor
SB 78 <i>Senator Angela Giron (D)</i> Proposes to provide a process for a water right holder to address erroneous recordkeeping associated with points of water diversion.	✓	✓	✓	Signed by Governor



WASTE

INTEGRATED WASTE MANAGEMENT PLAN Montana Department of Environmental Quality (MDEQ) [is proposing](#) to update the state's [solid waste management and recovery plan](#), and to adopt the revised plan by reference. The plan, first adopted in 2006 implements the Montana Integrated Waste Management Act ([75-10-803 Montana Code](#))

[Annotated \[MCA\]](#)) and serves as a planning document for department activities as well as an educational document for state and local governments. The 2013 updates would:

- Include statutory changes in 2005 to targets for waste reduction from recycling and composting that were addressed in the 2006 plan;
- Report current diversion rates and landfill capacities;
- Describe changed market conditions such as the increase of both electronic waste and construction waste, and review actions needed to address them; and
- Describe public interest in rural community recycling, and review approaches to increase recycling in rural areas.

A public hearing was held 3 MAY 13. Comments were due 9 MAY 13. For more information, contact [Elois Johnson](#) at (406) 444-2630.

INCORPORATION BY REFERENCE MDEQ is proposing to incorporate by reference the most recent version of the Code of Federal Regulations (CFR). The incorporation by reference process is accomplished by amending the CFR publication date specified in the Administrative Rules of Montana (ARM) [17.53.105\(3\)](#). A public hearing is scheduled for 16 MAY 13. Comments are due 23 MAY 13. For more information, contact [Elois Johnson](#) at (406) 444-2630.

LEGISLATIVE DEVELOPMENTS

The [Montana 2013 legislative session](#) began 7 JAN 13 and adjourned 24 APR 13.

<i>Montana Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AIR/CLIMATE CHANGE				
SB 44 <i>Environmental Quality Council</i> Proposes to eliminate the air pollution control advisory council and its functions.	✓	✓	✓	To Governor
ENERGY				
HB 394 <i>Representative Mike Phillips (D)</i> Proposes to allow for aggregate net metering.	✓			Failed cross-over deadline
SB 26 <i>Senator Greg Jergeson (D)</i> Proposes to revise the graduated renewable energy standard by changing deadlines and clarifying compliance requirements.	✓	✓	✓	Failed upon adjournment
SB 31 <i>Senator Debby Barrett (R)</i> Proposes to exclude existing hydroelectric resources within the definition of renewable energy resource under the Montana Renewable Power Production and Rural Economic Development Act.	✓	✓		Failed upon adjournment
SB 45 <i>Senator Jim Keane (D)</i> Proposes to revise the definition of eligible renewable resource to include hydroelectric project expansions.	✓	✓	✓	Signed by Governor
SB 52 <i>Senator Jim Keane (D)</i> Proposes to clarify what entities are responsible for reporting renewable energy credits; establishes penalties for those entities' failure to report.	✓	✓	✓	Signed by Governor

<i>Montana Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
SB 74 <i>Senator Jason Priest (R)</i> Proposes to require that renewable energy projects and universal systems benefits (public purpose) projects be green certified.	✓			Failed cross-over deadline
SB 106 <i>Senator Greg Jergeson (D)</i> Proposes to add certain definitions related to the renewable portfolio standard.	✓	✓	✓	Signed by Governor
SB 116 <i>Senator Ron Arthun (R)</i> Proposes to revise special fuel user permit laws by repealing the special fuel user's permit and by removing certain requirements.	✓	✓	✓	Signed by Governor
LAND USE				
HB 169 <i>Representative Kerry White (R)</i> Proposes to allow a local governing body to use or modify a growth policy for the purposes of coordinating and cooperating with federal land management agencies.	✓	✓	✓	Signed by Governor
SB 288 <i>Senator Chas V. Vincent (R)</i> Proposes to amend state eminent domain laws. Clarifies that property may be taken by the state or its agents in charge of the public use in accordance with eminent domain laws. Establishes criteria for an appraisal conducted pursuant to eminent domain laws.	✓	✓		Failed upon adjournment
SB 290 <i>Senator Elsie Arntzen (R)</i> Proposes to provide a process for notification of nearby municipal property owners when a change in use in certain county zoning districts occurs; and requiring the county to hold a public hearing under certain circumstances.	✓	✓	✓	Signed by Governor
SJR 15 <i>Senator Jennifer Fielder (R)</i> Proposes to request an interim study evaluating the management of certain federal lands, assessing risks, and identifying solutions.	✓	✓	✓	Approved
NATURAL RESOURCES				
HB 246 <i>Representative Kerry White (R)</i> Proposes to ban conservation easements in perpetuity and requires local governments to approve conservation easements. Removes property tax exemptions for interest held by qualifying private organizations.	✓			Failed cross-over deadline
HB 580 <i>Senator Bradley Hamlett (D)</i> Proposes to provide funding for the Greater Sage-Grouse Habitat Conservation Advisory Council.	✓	✓		Failed upon adjournment
SB 18 <i>Water Policy Committee</i> Proposes to clarify ownership of a channel or former channel of a navigable river or stream following erosion or deposition of sediments that remove lands, create new lands, or add to existing lands.	✓	✓	✓	Signed by Governor
SB 200 <i>Senator Chas V. Vincent (R)</i> Proposes to revise laws related to wolf management.	✓	✓	✓	Signed by Governor

<i>Montana Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
SB 201 <i>Senator Bradley Hamlett (D)</i> Proposes to revise laws related to wildland fire. Requires the Department of Natural Resources and Conservation to advocate for authority to engage in forest management activities to reduce fire risk on federally managed land located within the wildland-urban interface.	✓	✓	✓	To Governor
SB 273 <i>Senator Sharon Stewart-Peregoy (D)</i> Proposes to revise Montana antiquities laws. Requires state agencies to consult with Indian tribes about actions potentially affecting tribal traditional cultural property.	✓			Failed cross-over deadline
OTHER				
WASTE				
HB 146 <i>Representative Kristin Hansen (R)</i> Proposes to limit how and when the Department of Environmental Quality can impose fees on solid waste facilities. Requires justification for fee increases.	✓	✓	✓	Signed by Governor
HB 173 <i>Representative David Moore (R)</i> Proposes to revise the Department of Environmental Quality's process for certain remedial actions. Limits certain remedial actions near schools.	✓			Failed cross-over deadline
WATER				
HB 37 <i>Representative Bill McChesney (D)</i> Proposes to allow a temporary change of a water right through a lease. Establishes requirements for a temporary lease.	✓	✓	✓	Signed by Governor
HB 106 <i>Representative Pat Connell (R)</i> Proposes to clarify the process for a permit or a change in appropriation right and to streamline permit requirements in closed basins.	✓	✓	✓	Signed by Governor
HB 128 <i>Representative Galen Hollenbaugh (D)</i> Proposes to authorize the expenditure of fines collected for unlawful use of water in order to enforce water use laws.	✓	✓		Failed upon adjournment
HB 516 <i>Representative Bill Harris (R)</i> Proposes to revise water rights laws. Specifies who can hold a water right in Montana. Prohibits certain nonstate entities from receiving a water appropriation right in the state. Prohibits the U.S. or any U.S. agency from obtaining a water reservation.	✓			Failed cross-over deadline
HB 561 <i>Representative Roger Hagan (R)</i> Proposes to define the term "combined appropriation" for water wells and developed springs that are exempt from permitting.	✓			Failed cross-over deadline
HJR 7 <i>Representative Patrick Connell (R)</i> Proposes to initiate legal action against the federal government for damages to state waters.	✓	✓		Failed upon adjournment
SB 18 <i>Water Policy Committee</i> Proposes to clarify ownership of a channel and former channel of a navigable river or stream following an avulsion.	✓	✓	✓	Signed by Governor

<i>Montana Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
SB 19 <i>Water Policy Committee</i> Proposes to define appropriation terms for wells and developed springs that are exempt from permitting.	✓	✓	✓	Returned for concurrence
SB 38 <i>Water Policy Committee</i> Proposes to define terms associated with ground water appropriations within stream depletion zones. Limits the creation of stream depletion zones.	✓			Failed cross-over deadline
SB 76 <i>Senator Chas V. Vincent (R)</i> Proposes to require permits for cooling water intake structures.	✓	✓	✓	Signed by Governor
SB 233 <i>Senator Jim Peterson (R)</i> Proposes to clarify enforcement provisions for interference with a prior water right.	✓	✓		Failed upon adjournment
SB 263 <i>Senator Bradley Hamlett (D)</i> Proposes to limit the amount of ground water that can be appropriated without a permit according to the type of use and acreage of the parcel associated with that use.	✓			Failed cross-over deadline
SB 271 <i>Senator Fred Thomas (R)</i> Proposes to revise laws governing dissolution of water and sewer districts.	✓	✓	✓	Signed by Governor
SB 335 <i>Senator Bradley Hamlett (D)</i> Proposes to provide for removal of a natural obstruction that impairs a prior water right.	✓	✓	✓	To Governor
SB 346 <i>Senator Chas V. Vincent (R)</i> Proposes to revise water laws related to ground water appropriations exempt from permitting. Revises definitions and clarifies senior water right enforcement against certain ground water appropriations.	✓	✓	✓	To Governor
SB 347 <i>Senator Chas V. Vincent (R)</i> Proposes to specify that a diversion or withdrawal of water or a modification of stream flow is not degradation under the Water Quality Act.	✓	✓	✓	Vetoed by Governor [veto message]
SB 355 <i>Senator Bradley Hamlett (D)</i> Proposes to create a petition process to judicially determine claims for existing water rights that were exempt from filing for the adjudication of water rights.	✓	✓	✓	Signed by Governor



LEGISLATIVE DEVELOPMENTS

The [North Dakota 2013 legislative session](#) began 8 JAN 13 and adjourned 3 MAY 13.

<i>North Dakota Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
AIR/CLIMATE CHANGE				
ENERGY				
SB 2209 <i>Senator Jerry Klein (R)</i> Proposes to address eminent domain siting of an energy conversion facility or a transmission facility.	✓	✓	✓	Signed by Governor
SB 2291 <i>Senator Jerry Klein (R)</i> Proposes to provide for net metering.	✓			Failed cross-over deadline
LAND USE				
NATURAL RESOURCES				
OTHER				
WASTE				
HB 1149 <i>Representative Dick Anderson (R)</i> Proposes to create and enact a new subsection to section 37-17.1-07.1 of the North Dakota Century Code, relating to emergency response to hazardous materials incidents.	✓	✓	✓	Signed by Governor
WATER				
HB 1398 <i>Representative George J. Keiser (R)</i> Proposes to create a new water extraction tax.	✓			Failed cross-over deadline
HB 1440 <i>Representative Curt Kreun (R)</i> Proposes to create and enact three new sections to chapter 61-35 of the North Dakota Century Code, relating to exclusion of cities from water districts and state water commission policies on funds for water districts.	✓	✓	✓	Signed by Governor
HB 2154 <i>Senator Jerry Klein (R)</i> Proposes to change registration fees for above and underground tanks.	✓	✓	✓	Signed by Governor



AIR

ADOPTION BY REFERENCE: AIR POLLUTION CONTROL PROGRAM South Dakota Department of Environment and Natural Resources [is proposing](#) to adopt by reference regulations published in the CFR as of 1 JUL 12. In addition, the agency is proposing to revise certain obsolete and unnecessary statues and rules. Comments are due 15 MAY 13. A [public hearing](#) is scheduled for 16 MAY 13. For more information, contact Marlys Heidt at (605) 773-3151.

LEGISLATIVE DEVELOPMENTS

The [South Dakota 2013 legislative session](#) began 8 JAN 13 and adjourned 25 MAR 13.



AIR

PLASTIC PART COATING OPERATIONS Utah Department of Environmental Quality (UDEQ) released revisions to its [proposed new rule](#) (R307-353) applicable to automobile, truck, and business machine plastic part coating line operations that have the potential to emit 2.7 tons of volatile organic compounds (VOCs) per year and that are located in Box Elder, Cache, Davis, Salt Lake, Tooele, Utah and Weber counties. The rule would establish reasonably available control technologies (RACT) requirements reduce VOC emissions. The [proposed revisions](#) make clarifications and add definitions. For more information, contact [Mark Berger](#) at (801) 536-4000. The rule may be adopted MAY 13.

OUTDOOR WOOD BOILER PROHIBITION UDEQ adopted a [final rule](#) prohibiting future sales of outdoor wood boilers. This action is intended to facilitate attainment with the National Ambient Air Quality Standard (NAAQS) for fine particulate matter (PM2.5) and to minimize the emissions of PM2.5 from existing outdoor wood boilers. The final rule was [effective](#) 10 APR 13. For more information, contact [Mark Berger](#) at (801) 536-4000.

WATER

NONPOINT SOURCE POLLUTION MANAGEMENT PLAN UDEQ is requesting public comment on the draft Utah Statewide Management Plan for Nonpoint Sources of Pollution. The purpose of this plan is to identify the strategy the state will use to control pollution from nonpoint sources to the navigable waters and to improve and protect the quality of such waters. The agency is also accepting comments for the Storm Water Management Plan and Hydrologic Modification Plan included in the appendices of the Statewide Management Plan. Comments are due 21 MAY 13. For more information, contact [Jim Bowcutt](#).

NOTIFICATION OF CHANGES TO SEWAGE EFFLUENT USE OR POINT OF DISCHARGE UDEQ [repealed R655-7](#) (Administrative Procedures for Notifying the State Engineer of Sewage Effluent Use or Change in the Point of Discharge for Sewage Effluent). The rule is repealed because it no longer applies in statute. The [repeal](#) was effective 7 MAR 13. For more information, contact [Marianne Burbidge](#) at (801) 538-7370.

LEGISLATIVE DEVELOPMENTS

The [Utah 2013 legislative session](#) began 28 JAN 13 and adjourned 14 MAR 13.



LEGISLATIVE DEVELOPMENTS

The [Wyoming 2013 legislative session](#) began 8 JAN 13 and adjourned 27 FEB 13.

Department of Defense Activity

ENERGY

AIR FORCE ENERGY STRATEGIC PLAN The updated [Air Force Energy Strategic Plan](#) replaces the 2010 Energy Plan and shifts how the Air Force looks at energy. The plan incorporates energy security and operational energy into the Air Force's strategic energy priorities and goals. By developing a robust, resilient, and ready energy posture, the Air Force will expand operational effectiveness in air, space, and cyberspace, and enhance national security.

TOXICS

RISK ALERT: PHTHALATES DoD's [Emerging Contaminants Program](#) recently completed a detailed impact assessment and identified ten phthalates as "high risk" chemicals due to national and international regulations that are likely to limit production and use. Because of their use as raw materials in numerous applications and the complexity of the defense supply chain, it is extremely difficult to identify all phthalates used in DoD systems and equipment. However, the Phase II Impact Assessment identified the use of phthalates in chemical, biological defense (CBD) equipment as presenting a high risk. In particular, chemical substitutes may or may not meet critical performance requirements for some CBD applications due to the proprietary nature of the equipment. A memo identifying the ten chemicals as high risk is attached to this document (DUSD-IE Memo-Phthalates Risk 4-11-13).

RISK ALERT: 1-BROMOPROPANE DoD's Emerging Contaminants Program issued a chemical and materials emerging risk alert for 1-Bromopropane (1-BP). The risk alert was issued in response to a proposal from the American Conference of Governmental Hygienists to lower the threshold limit value time-weighted average from 10 parts per million (ppm) to 0.1 ppm. If implemented, this change presents a risk to certain DoD industrial operations and may require actions to meet the standards. The primary uses of 1-BP by the DoD are as a solvent, a degreaser, and as an ingredient in adhesives, coatings, and aerosols. Examples of shops and operations that may use 1-BP include flight-line and equipment maintenance, engine cleaning/plating, electroplating, and fire protective services. 1-BP is also used as a case mount sealant in small- and medium-caliber munition cartridges. Additional information is available in the risk alert attached to this document (OSD-ATL 1-Bromopropane Risk Alert April 2013.pdf).

TRAINING

DoDI 1322.28 REALISTIC MILITARY TRAINING OFF FEDERAL REAL PROPERTY DoD released Department of Defense Instruction ([DODI 1322.28](#)), Realistic Military Training Off Federal Real Property, effective 18 MAR 13. The DoDI establishes policy, assigns responsibilities, and provides procedures for planning, coordinating, and conducting realistic military training (RMT) off federal real property in accordance with DoD Directive ([DoDD 1322.18](#)). The DoDI applies to all DoD forces (including general purpose forces and special operations forces) training off federal property in the U.S. or its territories, with some exceptions.

Federal Activity

AIR

EPA PROPOSES TIER 3 MOTOR VEHICLE EMISSION AND FUEL STANDARDS In advance of formal publication in the Federal Register, EPA released [draft proposed rules](#) addressing auto emissions and reducing the allowable sulfur content of gasoline by more than 60%, to 10 ppm in 2017. For more information, contact [Enesta Jones](#) at (202) 564-7873.

REMOVAL OF THE VENTING PROHIBITION FOR CERTAIN REFRIGERANT SUBSTITUTES EPA is proposing to exempt certain refrigerant substitutes from the [Clean Air Act Section 608](#) prohibition on venting, release and disposal ([78 FR 21871](#)). Specifically, EPA is proposing to exempt isobutane (R-600a) and R-441A, which were listed as acceptable as refrigerant substitutes in household refrigerators, freezers, and combination refrigerators and freezers; and propane (R-290), which was listed as acceptable as a refrigerant substitute in retail food refrigerators and freezers (standalone units only). Comments are due 11 JUN 13. For more information, contact [Sally Hamlin](#) at (202) 343-9711.

MERCURY AND AIR TOXICS STANDARDS EPA adopted revisions to its [16 FEB 12](#) new source numerical standards in the [Mercury and Air Toxics Standards National Emission Standards for Hazardous Air Pollutants](#) and to the definitional and monitoring provisions that were addressed in the proposed [reconsideration rule](#) ([78 FR 24073](#)). The final rule was effective 24 APR 13. For more information, contact [William Maxwell](#) at (919) 541-5430.

CLIMATE CHANGE

REVISIONS TO GREENHOUSE GAS REPORTING RULE EPA proposed amending the [Greenhouse Gas Reporting Rule](#) to reflect revised global warming potentials of some greenhouse gases that have been published by the Intergovernmental Panel on Climate Change and to add global warming potentials for certain fluorinated greenhouse gases ([78 FR 19801](#)). Proposed revisions include:

- Amending [Subpart A--Global Warming Potentials \(GWPs\)](#): Revise Table A-1 of subpart A of Part 98 (hereafter referred to as "Table A-1") by updating the GWP values of certain compounds and adding certain fluorinated greenhouse gasses (F-GHGs).
- Considering options for revising and republishing emissions estimates for the reporting years 2010, 2011, and 2012 using the revised GWPs.
- GHGs with proposed revised GWPs for Table A-1 include methane, nitrous oxide, and sulfur hexafluoride.
- Adopting only GWP values based on a 100-year time horizon.

For more information, contact [Carole Cook](#) at (202) 343-9263.

ONLINE MAP SHOWS ALGAE BIOMASS FACILITIES AND PROJECTS WORLDWIDE The Algae Biomass Organization has published an [online map](#) showing algae production facilities and research projects worldwide. The algae industry map shows the locations of algae-related companies, research institutions, national laboratories, demonstration and commercial projects, and other efforts undertaken by organization members and non-members.

NATIONAL FISH, WILDLIFE, AND PLANTS CLIMATE ADAPTATION STRATEGY Fish and Wildlife Service (FWS) and the National Oceanic and Atmospheric Administration announced the availability of the final [National Fish, Wildlife, and Plants Climate Adaptation Strategy](#). The purpose of the strategy is to support natural resource professionals and other decision makers in taking action to conserve the nation's fish, wildlife, plants, and ecosystems. Adaptation principles in the strategy:

- Improve consideration of impacts of climate change to fish, wildlife, and plants;
- Enhance coordination between sectors and natural resource managers, land use planners, and decision makers regarding climate change adaptation;
- Use integrated planning to engage all levels of government and multiple stakeholders in multi-sector planning; and
- Assess the need for, and utility of, expanding compensatory mitigation requirements for projects that reduce ecosystem resilience.

For more information, contact [Mark Shaffer](#) at (703) 358-2603.

ENERGY

ENERGY SAVINGS PERFORMANCE CONTRACTS IMPROVEMENT Department of Energy (DOE) seeks comments and information regarding improvements to Energy Savings Performance Contracts (ESPCs) ([78 FR 20097](#)). Procedures for federal agencies to implement the use of energy savings performance contracting are codified at [10 CFR Part 436, Subpart B](#). DOE has awarded various "umbrella" indefinite delivery, indefinite quantity (IDIQ) contracts to energy services companies. These DOE IDIQ contracts can be used by federal agencies by awarding task orders for ESPC projects at their facilities. The DOE Federal Energy Management Program's efforts to promote and improve ESPC projects have been primarily through the DOE IDIQ contract vehicle. In addition to requesting comments about improving the contracting process, DOE seeks comment on areas such as:

- Improvements to measurement and verification methodologies, to achieve and maintain the greatest assurance of energy savings at the least cost;
- Approaches to encourage innovative or underutilized energy efficiency and renewable energy technologies;
- Approaches to increase confidence in investing in technologies with good potential but little implementation experience; and
- Approaches to incentivize energy services companies (ESCOs) to propose innovative or underutilized technologies.

The public comment period [is extended](#) to 17 MAY 13. For more information, contact [Randy Jones](#) at (720) 356-1667.

ONLINE ENERGY PORTAL The [U.S. Energy Information Administration](#) released a [press report](#) about its new online, interactive view of government national and state energy data and information available to the public. The [new portal](#) takes the administration's portfolio of state energy data and analyses and organizes it geographically. Its 30-layer mapping feature provides a visual representation of energy infrastructure and energy resources at the national, state, congressional district, or county level. Map layers for federal lands and [electric reliability regions](#) are also included. Users can pan and zoom in to see energy facilities and resources related to power production, distribution, fossil fuel resources, and renewable energy resources (wind, solar, biomass, and geothermal potential).

GAO REPORT: FEDERAL SUPPORT FOR RENEWABLE AND ADVANCED ENERGY TECHNOLOGIES The Government Accountability Office (GAO) released a report assessing federal support for renewable and advanced energy technologies ([GAO-13-514T](#)). Report highlights are available [here](#). As part of this effort, the GAO conducted:

- A broad review of federal initiatives that promote wind energy, including the extent to which initiatives may provide duplicative support and the extent to which agencies assess applicant need for the initiatives' support; and
- A review of the status of DOE's efforts to use its loan and loan guarantee authorities and remaining credit subsidy appropriations to support projects under its [Title XVII](#) Innovative Technology Loan Guarantee Program and [Advanced Technology Vehicles Manufacturing](#) loan program.

For more information, contact [Frank Russo](#) at (202) 512-3841.

COST OF WIND ENERGY The National Renewable Energy Laboratory (NREL) released a new report, [2011 Cost of Wind Energy Review](#). The report describes the levelized cost of energy (LCOE) for a typical land-based wind project installed in the U.S in 2011, as well as the modeled LCOE for a fixed-bottom offshore wind project proposed for installation in the U.S. It is intended to provide insight into current component-level costs and a basis for understanding variability in the LCOE across the industry. Data and tools developed from this analysis are used to inform wind technology and cost projections, goals, and improvement opportunities. The report is updated annually.

INTERNATIONAL CODE COUNCIL TO UPDATE ENERGY CONSERVATION CODE On behalf of the International Code Council (ICC), the National Institute of Standards and Technology (NIST) has published an announcement seeking to increase public participation in developing and maintaining ICC codes and standards ([78 FR 18321](#)). [ICC updates](#) international codes every three years based on receipt of proposals from interested individuals and organizations. For more information, contact [David Alderman](#) at (301) 975-4019.

HAZARDOUS MATERIAL

HAZARDOUS MATERIALS: REVISION OF MAXIMUM AND MINIMUM CIVIL PENALTIES The Pipeline and Hazardous Materials Safety Administration (PHMSA) is revising the maximum civil penalty for a knowing violation of the [Federal Hazardous Material Transportation Law](#) or a regulation, order, special permit, or approval issued under that law. The maximum civil penalty for a knowing violation is now \$75,000, except that the maximum civil penalty is \$175,000 for a violation that results in death, serious illness, or severe injury to any person or substantial destruction of property. In addition, there is no longer a minimum civil penalty amount, except that the minimum civil penalty amount of \$450 applies to a violation relating to training. The final rule was effective 17 APR 13. For more information, contact Deborah Boothe at (202) 366-8553.

THREATENED & ENDANGERED SPECIES

STATUS REVIEW AND CRITICAL HABITAT OF BLACK-BACKED WOODPECKER FWS will initiate a status review and consideration of critical habitat for the Oregon Cascades-California population and Black Hills population of the black-backed woodpecker ([78 FR 21086](#)). Additional information can be found on the [FWS website](#). Comments are due 10 JUN 13. For more information, contact Karen Leyse at (916) 414-6600.

RECOVERY PLAN: BLACK FOOTED FERRET FWS released a [draft recovery plan](#) for the for the [black-footed ferret](#) (*Mustela nigripes*) ([78 FR 23948](#)). The species is known or believed to occur in Arizona, Colorado, Kansas, Montana, Nebraska, New Mexico, North Dakota, South Dakota, Utah, and Wyoming. Comments are due 24 JUN 13. For more information, contact the national black-footed ferret conservation center recovery coordinator at (970) 897-2730.

TOXICS

PROTECTIVE ACTION GUIDES AND PLANNING GUIDANCE FOR RADIOLOGICAL INCIDENTS EPA is proposing updates to the 1992 Manual of Protective Action Guides and Protective Actions for Nuclear Incidents, referred to as [the 1992 PAG Manual](#) ([78 FR 22257](#)). The PAG Manual is a planning guide for emergency responders, and does not change federal, state, or local environmental standards. Emergency responders can use the manual for any radiation incident. The proposed update includes new science, expands the document's relevancy to more than just nuclear power plants, and incorporates recent guidance on re-entry, cleanup, and waste disposal. Comments are due 17 JUL 13. For more information, contact [Sara DeCair](#) at (202) 343-9108.

WASTE

VAPOR INTRUSION GUIDELINES EPA released external review drafts of two guidance documents about vapor intrusion: [a general guidance document for all compounds](#) and one focused on [petroleum hydrocarbons released from underground storage tanks](#). When final, these guidance documents will guide vapor intrusion exposure assessment and mitigation actions. [Comments](#) are due 24 MAY 13.

WATER

STEAM ELECTRIC POWER GENERATING EFFLUENT GUIDELINES In advance of publication in the Federal Register, EPA issued a [proposed rule](#) to amend its steam electric effluent guidelines and standards. The agency intends to align this Clean Water Act rule with a related rule for coal combustion residuals (CCRs, also known as “coal ash”) proposed in 2010 under the Resource Conservation and Recovery Act. The two rules would apply to many of the same facilities and would work together to reduce pollution associated with coal ash and related wastes. Additional information on this rule can be found on the [EPA website](#). For more information, contact [Jezebele Alicea-Virella](#) at (202) 566-1755.

CONSTRUCTION AND DEVELOPMENT POINT SOURCE CATEGORY Pursuant to a settlement agreement, EPA proposed clarifying changes to the effluent limitations guidelines and standards for the Construction and Development (C&D) point source category ([78 FR 19434](#)). This proposed rule would withdraw the numeric discharge standards, which are currently stayed, and make clarifying changes to the language of several of the non-numeric provisions of the existing rule. Proposed changes to various sections of [40 CFR 450](#) include:

- Revision to 40 CFR 450.21(a)(1): Control stormwater volume and velocity to minimize soil erosion in order to minimize pollutant discharges.
- Revision to 40 CFR 450.11: Several provisions of the C&D rule require permittees to implement controls unless infeasible. EPA will add the definition of infeasibility to 40 CFR 450.11.
- Revision of 40 CFR 450.21(a)(2): Control stormwater discharges, including both peak flowrates and total stormwater volume, to minimize channel and streambank erosion in the immediate vicinity of discharge points.
- Revision of 40 CFR 450.21(d)(2): Minimization of exposure is not required in cases where exposure to precipitation and stormwater will not result in a discharge of pollutants, or where exposure of a specific material or product poses little risk of stormwater contamination.
- Removal of numeric standard and monitoring provisions at 40 CFR 450.22(a) and 450.22(b).

Comments are due 31 MAY 13. For more information, contact [Jesse Pritts](#) at (202) 566-1038.

MULTI-SECTOR GENERAL PERMIT FOR STORMWATER DISCHARGES Office of Management and Budget (OMB), Office of Information and Regulatory Affairs [received EPA’s draft multi-sector general permit \(MSGP\) for stormwater discharges](#), initiating the inter-agency review process that must be completed before EPA can publish the draft permit in the Federal Register. EPA has given little public indication of what changes might be included in the draft MSGP, which was finalized in 2008. The permit authorizes the discharge of stormwater from timber, chemicals, mining, and other industries in states where EPA is the permitting authority. The federal permit also serves as a model for similar permits in many states. The draft MSGP would replace the current permit, which expires 29 SEP 13.

EPA REGION 8 SEWAGE SLUDGE NPDES PERMIT Region 8 EPA reissued its general permit for facilities or operations that generate, treat, and/or use/dispose of sewage sludge by means of land application, landfill, and surface disposal under the National Pollutant Discharge Elimination System (NPDES) permit program ([78 FR 25081](#)). The permit is effective in the states of Colorado, Montana, North Dakota, and Wyoming. South Dakota and Utah currently are authorized to administer the biosolids (sludge) program codified under [40 CFR Part 503](#). Facilities/operations that had obtained coverage under the previous general permit and that submitted a request for coverage under this renewal permit are covered automatically unless the permit issuing authority requires the submittal of a new notice of intent (NOI). Facilities that incinerate sewage sludge are not eligible for coverage under these general permits and must apply for an individual permit. For more information, contact [Bob Brobst](#) at (303) 312-6129. Additional information, including the final general permits for each covered state, a fact sheet, documents, handbooks, and more is available from a [website](#) maintained by EPA Region 8.

Professional Development

***COURSE CANCELLATION/RESCHEDULE** [Advanced Historic Law and Section 106 Compliance](#) course, originally scheduled for 7-9 MAY 13 at Fort Belvoir, has been rescheduled for 13-15 AUG 13 at Joint Base Mayer/McNair/Hendersonhall.

***COURSE CANCELLATION** [ENVIRONMENT, ENERGY SECURITY & SUSTAINABILITY SYMPOSIUM AND EXHIBITION \(E2S2\)](#) has been cancelled.

***MAY 21–22, 2013: GOLDEN CO** [Distributed Wind/Solar Interconnection Workshop](#). This two-day workshop will answer questions about interconnecting wind and solar plants and other distributed generation applications to electric distribution systems and provide insight to integrating large-scale renewable generation into the transmission system.

***28-30 JUN 13, Park City, UT** [Western Governors Association \(WGA\) Annual Meeting](#) The following topics will be discussed at the 2013 WGA Annual Meeting: healthcare, education, endangered species, energy, and public lands. The Western Governors' Association is an independent, nonprofit organization representing the governors of 19 states and three U.S.-Flag Pacific islands. Through their association, the governors identify and address key policy and governance issues that include natural resources, the environment, human services, economic development, intergovernmental relations, and international relations.

***5-6 AUG 13, WASHINGTON, DC** [The American Energy Security Summit](#) Hosted by the [United States Leadership Forum](#), the conference features top government and industry leaders, providing the latest details on federal energy priorities, programs, and contracts, featuring the Departments of Defense, Energy, Agriculture, Veterans Affairs, and other federal agencies. Topics include state government and local government energy priorities, programs, and contracts; energy efficiency priorities, including achieving net zero installations and advanced lighting solutions; and clean energy priorities, including biofuels for jets and electric and natural gas-powered ground transportation.

VARIOUS DATES AND TIMES ONLINE

***MAY 15, 2013 Offshore Wind Energy 101** Join Wind Powering America for a free webinar that will provide an overview of offshore wind energy. This webinar is for anyone who may be hearing a lot about offshore wind technology but may not have a good understanding of the current international market and how it differs from land-based, utility-scale wind development. Technical experts from DOE and the National Renewable Energy Laboratory will present, allowing question and answer time at the end of the webinar. Audio Access: (888) 396-0679; Participant passcode: 8466385

***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. Presentations include: [From Icefield to Ocean: Impacts of Glacier Change in Alaska](#); [Fish Habitat and Climate Change](#); [Impacts of Climate Change and Melting Glaciers on Coastal Ecosystems in the Nearshore Waters of the Gulf of Alaska](#); [Climate Change in Higher Elevation Ecosystems](#); and [Can Camouflage Keep up with Climate Change?](#)

***Production Tax Credit Extension, Process, and Impacts Webinar** This February 20 webinar featured Paul Holshouser of the American Wind Energy Association and Jon Chase from Vestas, who provided an insiders' perspective of the last-minute Production Tax Credit extension, including details about how this extension differs from past extensions, current status of the rule implementation, and the potential impacts on the wind industry.

***Water's Impact on the Energy Sector** This March 20 webinar featured Stacy Tellinghuisen, senior energy/water policy analyst at Western Resource Advocates, who shared 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 INITIATIVE – 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. For detailed webinar descriptions please visit the [REPI website](#).

DEFENSE AND FEDERAL ENVIRONMENTAL TRAINING/AWARENESS The U.S. Army offers numerous environmental training courses. Information on training providers and fiscal year class schedules are available on the [US Army Environmental Command \(AEC\) website](#).

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.

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.

INTERSTATE TECHNOLOGY AND REGULATORY COUNCIL (ITRC) INTERNET BASED TRAINING 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.

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.

NATIONAL ENFORCEMENT TRAINING INSTITUTE EPA environmental enforcement training opportunities are offered (e-learning, classroom, and webinar) for federal, state, tribal and local government environmental enforcement professionals.

USACE PROSPECT TRAINING USACE announces its FY13 PROSPECT 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 employees, state, county and city employees and contractors. There are different registration processes for each entity.

NAVY AND ISEERB ENVIRONMENTAL TRAINING FY13 The Navy and the Interservice Environmental Education Review Board (ISEERB) Environmental Training schedule for FY13 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 FY13 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. Fees may vary.

An * indicates the first time a training or 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
tim.kilgannon@us.army.mil

Howard Killian

Army Coordinator Hawaii
(808) 226-8517
killianh001@hawaii.rr.com

Jeff Andrews

Army Coordinator Region 10
(206) 316-3152
jeffrey.a.andrews.civ@mail.mil

Adriane Miller

Project Manager (Plexus Scientific Corporation)
(410) 278-6165
adriane.b.miller.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
CH4	methane
CNOR	candidate notice of review
CO₂	carbon dioxide
CO_{2e}	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
HID	high intensity discharge
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
N₂O	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
NF₃	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
NO₂	nitrogen dioxide
NO_x	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
PM₁₀	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
SO₂	sulfur dioxide
SO_x	sulfur oxides
SPCC	spill prevention, control, and countermeasures
TiO₂	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/m³	micrograms per cubic meter
UPDES	Utah Pollutant Discharge Elimination System
U.S.	United States
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
WOSL	Wyoming Office of State Lands
WRAP	Western Regional Air Partnership