



U.S. ARMY

Western Review of Legislative & Regulatory Actions Region 8



The U.S. Army Regional Environmental & Energy Office

November 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.



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WESTERN GOVERNORS' CRUCIAL HABITAT ASSESSMENT TOOL (CHAT)

In 2007, the Western Governors' Association (WGA) approved [policy resolution 07-01](#), "Protecting Wildlife Migration Corridors and Crucial Wildlife Habitat in the West." The policy described the importance of wildlife corridors and crucial habitat and asked the Western states, in partnership with important stakeholders, to identify key corridors and habitat in the West and to make recommendations on policy options for preserving those landscapes.

To implement the resolution, WGA launched the [Wildlife Corridors Initiative](#), a multi-state collaborative process to make findings and recommendations on various aspects of wildlife corridors and crucial wildlife habitat.

The result of that initiative was the development of the Western Governors' [Crucial Habitat Assessment Tool \(CHAT\)](#) to provide the public and industry a high-level overview of crucial habitat across the West. To be released in December 2013, CHAT aims to bring greater certainty and predictability to planning efforts by establishing a common starting point for discussing the intersection of development and wildlife. CHAT will be an easily accessible online system of maps displaying crucial wildlife habitat and corridors across the West. While not intended for project-level approval, CHAT is designed to reduce conflicts and surprises, while ensuring wildlife values are better incorporated into land use decision-making and large-scale conservation projects.

In conjunction with the western regional CHAT project, states have developed their own assessment tools that display crucial wildlife and corridor information. These are [HabiMap™ Arizona](#) in Arizona, [ACE II](#) in California, [CAPS](#) in Montana, [PHS on the Web](#) in Washington, and [WISDOM](#) in Wyoming. In addition, the [Southern Great Plains CHAT](#) is a species-specific, multi-state CHAT for the lesser prairie-chicken.

For more information, [watch a webinar](#) or visit the [Western Governors' Association](#) website.

Region 8

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



ASBESTOS IN SOILS The Colorado Department of Public Health and Environment (CDPHE) [postponed](#) the adoption hearing on its [proposal](#) to amend its regulations for the management of soils containing asbestos. The department is proposing to delete and replace Section 5.5 (Management of Asbestos-Contaminated Soil) in Title 6 of the Colorado Code of Regulation (CCR), Section 1007-2 and its associated definitions. The purpose of the Section 5.5 revision is to update the asbestos-contaminated soils (ACS) regulations based on the Hazardous Material and Waste Management Division and stakeholders' experience gained from implementing the regulation since its promulgation. The hearing to consider adoption of the amended rule is rescheduled for 12 DEC 13. For more information, contact [Brandy Valdez Murphy](#) at (303) 692-3467.

LEGISLATIVE DEVELOPMENTS

The [Colorado 2014 legislative session](#) begins 18 JAN 14 and is estimated to adjourn 7 MAY 14.



NATURAL RESOURCES

GRAY WOLF MANAGEMENT The Montana Fish, Wildlife and Parks Commission [is proposing](#) amendments to its gray wolf management rules. The amendments address allowable wolf population and management controls. Public hearings are scheduled for 2, 3, 4, 9, and 10 DEC 13 in Billings, Glasgow, Great Falls, Helena, Kalispell, Miles City, and Missoula to consider the proposed amendments and take public comment. Comments are due 20 DEC 13. For more information, email the [commission](#).

WASTE

INFECTIOUS WASTE The Montana Department of Environmental Quality (MDEQ) [adopted](#) new rules I through VIII pertaining to infectious waste.

- New Rule I regulates the transportation of infectious waste to treatment facilities prior to final waste disposal.
- New Rule II establishes definitions to implement infectious waste rules.
- New Rule III requires certain infectious waste transporters to register with the department and develop an infectious waste management plan and a transportation and management plan.
- New Rule IV establishes requirements for infectious waste management plans.
- New Rule V establishes requirements for infectious waste transportation and management plans.
- New Rule VI establishes requirements for infectious waste treatment and disposal.
- New Rule VII establishes infectious waste packaging, containment, and storage requirements for transporters.

- New Rule VIII specifies requirements for the waste spill response and decontamination plans incorporated as part of the transportation and management plan (Rule V).

The [final rules](#) were effective 18 OCT 13. For more information, contact [Elois Johnson](#) at (406) 444-2630.

WATER

NEW UST PERFORMANCE STANDARDS MDEQ [adopted](#) amendments to its performance standards for new underground storage tank (UST) systems and upgrades to existing UST systems. The amendments remove a requirement in the Administrative Rules of Montana (ARM) 17.56.201(1)(b) requiring corrosion protection for pipes that may contain regulated substances and instead require corrosion protection for pipes that routinely contain regulated substances. The [final rule](#) was effective 18 OCT 13. For more information, contact [Elois Johnson](#) at (406) 444-2630.

LEGISLATIVE DEVELOPMENTS

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



WATER

TRIENNIAL REVIEW The North Dakota Department of Health [is proposing](#) amendments to the Standards of Water Quality for Waters of the State, codified in North Dakota Administrative Code Chapter [33-16-02](#). The purpose of the proposed amendments is to complete the department's triennial review of the Standards of Quality for Waters of the State. A public hearing is scheduled for 2 DEC 13. Comments are due 12 DEC 13. For more information, contact the department at (701) 328-5210.

LEGISLATIVE DEVELOPMENTS

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



WASTE

ADOPTION BY REFERENCE: HAZARDOUS WASTE PROGRAM The South Dakota Department of Environment and Natural Resources [updated](#) the federal rules incorporated by reference into state hazardous waste program rules. These updates reflect changes made to the federal hazardous waste rules from 1 JUL 10 through 30 JUL 12. Changes include establishing procedures for identifying and managing certain hazardous secondary materials destined for recycling, and making technical and typographical corrections to the federal rules. The [final rule](#) was effective 10 OCT 13. For more information, contact Carrie Jacobson at (605) 773-3153.

LEGISLATIVE DEVELOPMENTS

The [South Dakota 2014 legislative session](#) begins 14 JAN 14 and adjourns 31 MAR 14.



AIR

PM2.5 EMISSION LIMITS FOR AREA AND POINT SOURCES The Utah Department of Environmental Quality [is proposing](#) to expand Section IX, Part H of the Utah State Implementation Plan (SIP) to add emission limitations for fine particulate (PM2.5) and PM2.5 precursors. Section IX, Part H of the Utah SIP is incorporated by reference into the air quality rules in Section [R307-110-17](#). This rule amendment will update the incorporation date to include the most recent version of Section IX, Part H, which will include the new emission control measures associated with the new SIP for PM2.5, adopted by the Air Quality Board. For more information, contact [Mark Berger](#) at (801) 536-4000.

HAZARDOUS MATERIALS

HAZMAT TRANSPORTATION The Utah Department of Transportation [adopted](#) an amendment to [R909-75](#) to incorporate by reference and adopt final rule changes from federal regulation. This rule amendment adopts the safety regulations for Motor Carriers Transporting Hazardous Material and/or Hazardous Wastes [Title 49, Code of Federal Regulation \(CFR\), Subchapter C](#), Parts 107, 171, 172, 173, 177, 178, 179 and 180, as of 1 OCT 12 and the Federal Register as of 17 APR 13. It also adds enforcement provisions authorized by statute. The [final rule](#) was effective 15 OCT 13. For more information, contact [Christine Newman](#) at (801) 965-4026.

LEGISLATIVE DEVELOPMENTS

The [Utah 2014 legislative session](#) begins 27 JAN 14 and is estimated to adjourn 5 MAR 14.



LEGISLATIVE DEVELOPMENTS

The [Wyoming 2014 legislative session](#) begins 10 FEB 14 and is estimated to adjourn 6 MAR 14.

Department of Defense Activity

AMERICAN INDIAN HERITAGE MONTH As part of the Army's celebration of [Native American Heritage Month](#), the Secretary of the Army, Chief of Staff of the Army, and Sergeant Major of the Army released a [letter of appreciation](#) for the contributions of Native Americans to the Army and the Nation.

PARTNERING FOR ENHANCED MISSION EFFECTIVENESS VIDEO The U.S. Army is partnering with the private sector, other agencies, government and local communities for what Army leadership calls Enhanced Mission Effectiveness. "Our mission capabilities are enhanced and our costs reduced when we focus on our core competencies, and rely on the expertise and experience of our partners for non-core functions and services. This 'win-win' approach keeps us Army Strong," said Hon. Katherine Hammack, assistant secretary of the Army, Installations, Energy, and Environment. For more information, see related video - [Partnering for Enhanced Mission Effectiveness](#).

Federal Activity

AIR

UTAH SIP: PM2.5 The U.S. Environmental Protection Agency (EPA) is partially approving and partially disapproving revisions to the Utah State Implementation Plan (SIP), demonstrating that the Utah SIP meets the infrastructure requirements for the 1997 and 2006 National Ambient Air Quality Standards (NAAQS) promulgated for fine particulate matter (PM2.5) ([78 FR 63883](#)). In addition, EPA is approving portions of SIP revisions related to Utah's Prevention of Significant Deterioration (PSD) program that incorporate elements of the 2008 PM2.5 New Source Review (NSR) Implementation Rule and the 2010 PM2.5 Increment Rule. The final rule is effective 25 NOV 13. For more information, contact [Kathy Ayala](#) at (303) 312-6142.

CLIMATE CHANGE

U.S. ENERGY-RELATED CO₂ EMISSIONS, 2012 REPORT The Department of Energy (DOE) released a report on U.S. energy-related carbon dioxide (CO₂) emissions. The report's conclusions indicate:

- The 2012 downturn means that emissions are at their lowest level since 1994 and over 12% below the 2007 peak.
- After 1990, only the recession year of 2009 saw a larger percentage emissions decrease than 2012.
- Energy-related CO₂ emissions have declined in five out of the last seven years.

The full report is available on the [Energy Information Administration website](#).

SENSITIVITY OF STREAMFLOW, NUTRIENT, AND SEDIMENT LOADS TO POTENTIAL CLIMATE CHANGE EPA issued a final report titled, [Watershed Modeling to Assess the Sensitivity of Streamflow, Nutrient, and Sediment Loads to Potential Climate Change and Urban Development in 20 U.S. Watersheds](#). Additional information is available at the [EPA website](#). For more information, contact [Thomas Johnson](#) at (703) 347-8618.

ZERO EMISSION CARS The Governors of eight states announced an initiative to put 3.3 million zero-emission vehicles (ZEVs) on the roads in their states in the next 12 years. Governors of California, Connecticut, Massachusetts, Maryland, New York, Oregon, Rhode Island, and Vermont signed a [memorandum of understanding](#) (MOU) to establish a common ZEV fueling infrastructure. The Governors agreed to report annually on the number of registered ZEVs, the number of electric/hydrogen fueling stations available to the public, and (as available), information about workplace ZEV fueling. As stated in the MOU, the Governors also agreed to promote interagency coordination, implement incentives for ZEV purchases, develop shared standards, promote private-public partnerships, conduct a study on hydrogen-powered vehicles and their specific infrastructure needs, and more.

CULTURAL RESOURCES

DISPOSITION OF UNCLAIMED HUMAN REMAINS ON FEDERAL LANDS The National Park Service (NPS) is proposing to establish procedures for the disposition of unclaimed human remains, funerary objects, sacred objects, or objects of cultural patrimony discovered on federal lands after 16 NOV 90 ([78 FR 64436](#)). The rule would implement section 3 (b) of the [Native American Graves Protection and Repatriation Act of 1990](#). Comments are due 30 DEC 13. For more information, contact Sherry Hutt at (202) 354-1479.

ENERGY

RENEWABLE FUEL STANDARD PROGRAM: HEATING OILS FROM BIOMASS EPA added heating oils derived from biomass to the list of fuels that count toward federal volume requirements for the [Renewable Fuel Standard \(RFS\)](#) program ([78](#)

FR 62462). The final rule expands the scope of the program by amending the definition of heating oil and adding so-called “fuel oils” from qualifying renewable substances that warm houses, office buildings, and other residential and workplace facilities. Additional information is available on the [EPA website](#). For more information, contact [Suzanne Bessette](#) at (734) 214-4703.

CHP TECHNICAL ASSISTANCE PARTNERSHIPS DOE’s Advanced Manufacturing Office launched seven regional combined heat and power (CHP) [Technical Assistance Partnerships](#) to promote and assist in transforming the market for CHP, waste heat to power, and district energy with CHP technologies and concepts throughout the U.S. The new partnerships are located in California, Colorado, Illinois, New York, North Carolina, Pennsylvania, and Washington. They replace the DOE’s Clean Energy Application Centers. The new partnerships will support analyses of CHP market opportunities, offer information on the energy and non-energy benefits and applications of CHP, and provide technical assistance to end-users considering CHP at their facility. To learn more about the involvement of CHP Technical Assistance Partnerships in project development, visit the [CHP Projects](#) page.

EGALLON Find out how much it costs to fuel an electric vehicle in your state and compare the average cost of a gallon of gasoline to the [eGallon](#). The eGallon price is an estimate of how much it costs to drive an electric car the same distance as a gallon of unleaded gasoline.

2013 BUILDING ENERGY STANDARD An updated energy standard for buildings includes major changes to requirements for building envelope, lighting, mechanical and the energy cost budget. ANSI/ASHRAE/IES Standard 90.1-2013 (Energy Standard for Buildings Except Low-Rise Residential Buildings) incorporates 110 addenda. Major changes to requirements for building envelope, lighting, mechanical and the energy cost budget are included. For more information, visit the [ASHRAE website](#).

HAZARDOUS MATERIALS

ENHANCED ENFORCEMENT PROCEDURES - RESUMPTION OF TRANSPORTATION The Pipeline and Hazardous Materials Safety Administration (PHMSA) issued a final rule related to the department’s enhanced inspection, investigation, and enforcement authority ([78 FR 60755](#)). PHMSA amended the package opening provision to include procedures for an agent of the Secretary of Transportation to open packages of perishable hazardous materials and to provide notification to the responsible party that an agent has exercised a safety inspection or investigation authority. This final rule was effective 1 NOV 13. For more information, contact Vincent Lopez at (202) 366-4400.

OTHER

ECHO 2.0 BETA LAUNCHED EPA updated its [Enforcement and Compliance History Online \(ECHO\) website](#). The updated ECHO website contains information about the compliance status of EPA regulated for facilities. The website features new functionality for new mapping and performance and trends data. The legacy ECHO website is scheduled to be retired 27 NOV 13.

THREATENED AND ENDANGERED SPECIES

STATUS DESIGNATION: YELLOW-BILLED CUCKOO The Fish and Wildlife Service (FWS) is proposing to list the [yellow-billed cuckoo](#) in the western portion of the U.S., Canada, and Mexico as a threatened distinct population segment (DPS) ([78 FR 61621](#)). The western DPS is known or believed to occur in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington, and Wyoming. Comments are due 2 DEC 13. For more information, contact Jennifer Norris at (916) 414-6600.

PUBLIC COMMENT PERIOD, PUBLIC HEARINGS: GRAY WOLF FWS extended the public comment period on its recent proposal to list the [Mexican wolf](#) (*Canis lupus baileyi*) as an endangered subspecies, to delist the gray wolf (*Canis lupus*) elsewhere, and to revise the nonessential experimental population (NEP) of the Mexican wolf ([78 FR 64192](#)). Following delays caused by the federal government lapse in appropriations, FWS is announcing rescheduled dates for

the remainder of a series of public hearings on the proposed rules. To allow these hearings to take place within the public comment period on the proposed rules, the service is extending the public comment period for the proposed rules to 17 DEC 13. Public hearings are scheduled for 19, 20, and 22 NOV 13 and 3 DEC 13. Refer to the Federal Register citation for details. For more information regarding the proposal to list the Mexican wolf as an endangered subspecies or to delist the gray wolf elsewhere, contact FWS at (703) 358-2171. For more information concerning the proposal to revise the Mexican wolf NEP, contact FWS at (505) 761-4704.

WASTE

SW-846 UPDATE EPA released the "Interim Final Update V" to the Third Edition of [SW-846](#) (Test Methods for Evaluating Solid Waste, Physical/Chemical Methods) for public comment ([78 FR 63185](#)). Update V contains 23 new and revised analytical methods that may be used for monitoring or complying with the Resource Conservation and Recovery Act (RCRA) hazardous and non-hazardous waste regulations. Because the analytical methods contained in Update V are not required by RCRA hazardous waste regulations, the agency is issuing this update as guidance. Comments are due 21 JAN 14. For more information, contact [Kim Kirkland](#) at (703) 308-8855. The update is available from [regulations.gov](#) (docket EPA-HQ-RCRA-2012-0072).

WATER

NPDES ELECTRONIC REPORTING: PUBLIC COMMENT PERIOD EPA extended the public comment period on its [30 JUL 13](#) proposed Electronic Reporting Rule under the National Pollutant Discharge Elimination System (NPDES) program ([78 FR 64435](#)). Comments are due 12 DEC 13. For more information, contact [John Dombrowski](#) at (202) 566-0742.

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 born by the student.

QUALIFIED RECYCLING PROGRAM RESIDENT COURSE TO BE REPLACED WITH DISTANCE LEARNING DoD's Qualified Recycling Program (QRP) 40-Hour Resident Course (WENV 160), which has been taught and managed by the Air Force Institute of Technology (AFIT), is being reformatted as a distance learning course. This action is being taken to accommodate budget restrictions on training and travel. The reformatted, web-based course will continue to offer the same opportunities for student involvement (e.g., group activities, assignments, discussions, etc.) as the resident course. Although reformatting the Qualified Recycling Course for distance learning is not yet complete, AFIT anticipates the web-based course will be offered several times in FY14. This action is part of a broader effort to increase distance-learning options. For more information, visit the [AFIT course website](#), or contact Mr. Tom Glardon at (937) 255-5654 ext 3538 (DSN 785-4645).

***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.

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)

CLIMATE READY WATER UTILITIES EPA's Climate Ready Water Utilities initiative assists the water sector (drinking water, wastewater, and stormwater utilities) address 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.

PRODUCTION TAX CREDIT EXTENSION, PROCESS, AND IMPACTS WEBINAR This webinar features Paul Holshouser of the American Wind Energy Association, and Jon Chase from Vestas, who provide an insiders' perspective of the last-minute Production Tax Credit extension, including details about how the 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 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.

*indicates new or updated information.

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.

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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
CO₂e	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
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
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