



U.S. ARMY

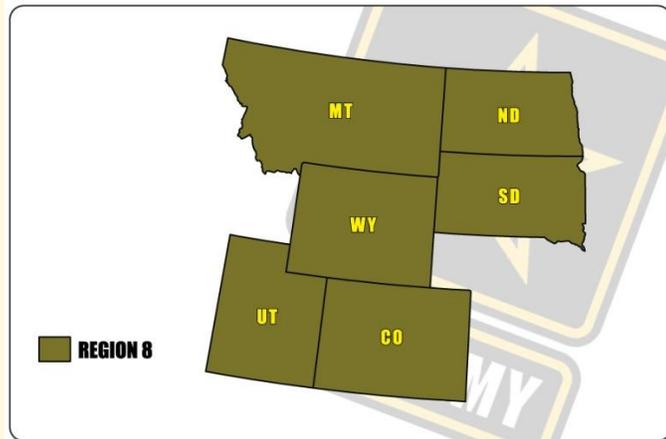
# Western Review of Legislative & Regulatory Actions Region 8



The U.S. Army Regional Environmental & Energy Office

November 2014

The REGION 8 *WESTERN REVIEW* publishes environmental and energy related developments for DoD/Army leaders and installation staff. Covering the six states in Federal Region 8, the *Western Review* gives early notice of legislative and regulatory activities relevant to DoD interests. The *Review* also helps installations meet ISO 14001 environmental management system requirements. Find out more about the Army Regional Environmental and Energy Offices [here](#). Click [here](#) to browse back issues of the *Western Review*. To read back issues of other Regional Office *Reviews*, click on a region of the REEO website's U.S. map and then select "Publications." To receive a copy of this electronic publication, send an [email request](#).



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## ARMY 2014 ENERGY AND WATER MANAGEMENT AWARDS

Recipients of the 2014 Secretary of the Army Energy and Water Management Awards have been [announced](#). The [annual awards program](#) – now in its 36th year – recognizes installations, small groups, and individuals from the Army, Army Reserve, and Army National Guard who make significant achievements in installation energy conservation and water management. Categories for the award include Energy Efficiency/Energy Management, Innovation and New Technology, Renewable/Alternatives, Water Conservation, and Demand Side Management/ Load Shedding. The 2014 award recipients are:

- Mr. Todd Dirmeyer – Fort Hunter Liggett, Calif. (Individual)
- Mr. Bobby Lynn, Ms. Africa Welch-Castle, Mr. Edwin Frazier, and Mr. Huey Keaton – Fort Hood, Texas (Small Group)
- Mr. Gary Pacella, Mr. James Douglas, and Ms. Grisel Robles – Picatinny Arsenal, N.J. (Small Group)
- Mr. Craig Collins, Ms. Irene Beck, Mr. George Dill, and Mr. Jose Gallegos – White Sands Missile Range, N.M. (Small Group)
- Mr. Lawrence Michael Norton, Mr. William Irby, Mr. Robert Mackey, Mr. Wesley Malone, Ms. Lisa Harris, Mr. Jason Bray, Mr. Earl Johnson, Ms. Barbara Osterkamp, Mr. Bruce Forsberg, Mr. Andy Long, and Ms. Margaret Simmons – U.S. Army Corps of Engineers (USACE), Huntsville Center, Huntsville, Ala. (Small Group)
- Presidio of Monterey, Calif. (Installation)
- Fort Stewart, Ga. (Installation) and
- Fort Carson, Colo. (Installation)

Recipients were formally recognized at a Pentagon ceremony 29 OCT 14 by the Honorable Katherine Hammack, Assistant Secretary of the Army for Installations, Energy and Environment.

# Region 8

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



## ***NATURAL RESOURCES***

**CONSERVATION EASEMENTS** The Colorado Division of Real Estate is proposing to [repealed](#) and [replaced](#) its rules governing conservation easements codified at Title 4 Colorado Code of Regulation (CCR) [725-4](#). The rulemaking reformats and clarifies existing rules and is considered to be primarily administrative in nature. The final rule was adopted 3 NOV 14. For more information, contact [Martha Torres-Recinos](#) at (303) 894-2359.

## ***WASTE***

**WASTE TIRES** The Colorado Department of Public Health and Environment (CDPHE) [is proposing](#) to repeal and replace its rules governing management of used or waste tires. CDPHE is taking this action in response to [House Bill 1352 \(2014\)](#), which repealed and reenacted the state's waste tire laws, moving them into the Solid Waste Act. The bill establishes requirements for waste tire haulers, generators, collection facilities, and processors. The rulemaking consolidates all waste tire regulations into a new Section 10. Updates to the section governing waste tire generators prohibit the accumulation of more than 1,500 waste tires on site at any one time and address the ability for waste tire generators to accept waste tires. A [public hearing](#) is scheduled for 18 NOV 14. For more information, contact [Brandy Valdez Murphy](#) at (303) 692-3467.

## ***WATER***

**DRINKING WATER RULES: COLIFORM, STORAGE, BACKFLOW/CROSS CONNECTION, AND HAULING** CDPHE [is proposing](#) to revise [Regulation 11](#) (Colorado Primary Drinking Water Regulations), 5 CCR 1002-11. The revisions address disinfection requirements, backflow prevention to prevent contamination of water supplies, use of covered water storage facilities, and hauling (transport) of finished water. The revisions also establish a deadline of 1 APR 16 for compliance with the new requirements. A [public hearing](#) is scheduled for 12 JAN 15. For more information, contact [Steve Scherma](#) at (303) 692-3406.

**AGRICULTURAL CHEMICALS AND GROUND WATER** The Colorado Department of Agriculture adopted [final rules](#) exempting the inspection of bulk pesticide storage and mixing/loading areas at public water treatment systems and domestic wastewater treatment works from its regulations. In consultation with CDPHE, the department determined that CDPHE inspection protocols adequately address pesticide storage at water treatment facilities. The final rule removes [duplicative inspection](#) requirements. The rulemaking amends 8 CCR 1206-1. The final rule was effective 14 NOV 14. For more information, contact [Jenifer Gurr](#) at (303) 239-4102.

## LEGISLATIVE DEVELOPMENTS

The [Colorado 2015 legislative session](#) begins 14 JAN 15 and is estimated to adjourn 7 MAY 15. For information about legislation in 2014, refer to the [June 2014 edition](#) of the Review.



### AIR

**AIR QUALITY PERMIT APPLICATION FEE** The Montana Department of Environmental Quality (MDEQ) adopted [final amendments](#) to rules pertaining to definitions and air quality permit fees. This action amends Administrative Rules of Montana (ARM) [17.8.501](#) and [17.8.504](#). The final rule was effective 10 NOV 14. For more information, contact [Elois Johnson](#) at (406) 444-2630.

**PROPOSED SIP SUBMITTAL: PM2.5 RULE REVISIONS** MDEQ [adopted amendments](#) to its air quality rules for fine particulate matter (PM2.5). In this action, MDEQ removed PM2.5 emission limits from ARM [17.8.818](#) (Review of Major Stationary Sources and Major Modifications – Source Applicability and Exemptions) and ARM [17.8.820](#) (Source Impact Analysis) in response to recent court decisions regarding PM2.5. The amendments were effective 10 OCT 14. In addition, MDEQ is [requesting public comment](#) on submission of the adopted amendments into the Montana State Implementation Plan (SIP). Comments regarding the proposal to include the rule revisions into the Montana SIP were due 10 NOV 14. For more information, contact [Elois Johnson](#) at (406) 444-2630.

### WATER

**SPILL PLANNING AND RESPONSE** MDEQ [adopted amendments](#) pertaining to [closure of petroleum release sites](#). The rulemaking affects certain releases where the “petroleum mixing zone” extends beyond 500 feet from its source, or extends to within 500 feet of drinking water wells or surface water. The amendments to ARM [17.56.607](#) allow the department to close certain release sites that could be resolved using a petroleum mixing zone, except that they do not meet the 500-foot criteria. The final rule was effective 27 OCT 14. For more information, contact [Elois Johnson](#) at (406) 444-2630.

**TMDLS AND WATER PLAN: FLATHEAD-STILLWATER PLANNING AREA** MDEQ [released](#) the draft total maximum daily load (TMDL) planning document titled [Flathead-Stillwater Planning Area Nutrient, Sediment, and Temperature TMDLs and Water Quality Improvement Plan](#) for public comment. The plan and appendices are available from MDEQ’s [website](#). A public meeting was held 30 OCT 14. Comments were due 12 NOV 14. For more information, contact [Christina Staten](#) at (406) 444-2836.

**TMDL AND WATER PLAN: JEFFERSON RIVER METALS PROJECT AREA** MDEQ [released](#) the draft [Jefferson River Metals Project Area TMDLs and Water Quality Improvement Plan](#) for public comment. The plan and appendices are available from MDEQ’s [website](#). A public meeting was held 14 OCT 14. Comments were due 31 Oct 14. For more information, contact [Christina Staten](#) at (406) 444-2836.

**MS4 GENERAL PERMIT** MDEQ is requesting [public comment](#) on its proposal to [re-issue](#) Montana Pollutant Discharge Elimination System (MPDES) General Permit for Storm Water Discharges Associated with Small Municipal Separate Storm Sewer Systems (MS4s), MPDES Permit Number [MTR040000](#). This General Permit is applicable to the discharge of storm water associated with small MS4s within the boundaries of Montana, including those on state, federal, or private lands. An MS4 is defined in [ARM 17.30.1102\(13\)](#) and a Small MS4 is defined in [ARM 17.30.1102\(23\)](#). Permittees are required to develop, implement, and enforce a Storm Water Management Program (SWMP). The SWMP

must address six minimum control measures and implements various best management practices (BMPs). Comments are due 21 NOV 14. For more information, contact [MDEQ](#) at (406) 444-3080.

## ***LEGISLATIVE DEVELOPMENTS***

The [Montana 2015 legislative session](#) begins 5 JAN 15 and is estimated to adjourn 30 APR 15. The state did not have a regular legislative session in 2014.



### ***AIR***

**REGIONAL HAZE FIVE YEAR PROGRESS REPORT** The North Dakota Department of Health (NDDOH) [is requesting public comment](#) on [a report](#) about the progress it has made in achieving the national goal of eliminating all man-made visibility impairment in the Federal Class I areas. Tentative determinations indicate the Regional Haze SIP is currently adequate to achieve reasonable progress toward the national goal. Comments on the report and its findings are due 19 NOV 14. For more information, contact NDDOH at (701) 328-5188.

## ***LEGISLATIVE DEVELOPMENTS***

The [North Dakota 2015 legislative session](#) begins 6 JAN 15 and is estimated to adjourn 29 APR 15. The state did not have a regular session in 2014.



## ***LEGISLATIVE DEVELOPMENTS***

The [South Dakota 2015 legislative session](#) begins 13 JAN 15 and is estimated to adjourn 30 MAR 15. For information about legislation in 2014, refer to the [April 2014](#) edition of the Review.



### ***AIR***

**AUTOMOTIVE REFINISHING COATINGS** The Utah Department of Environmental Quality (UDEQ) [is proposing](#) amendments to rule [R307-354](#) (Automotive Refinishing Coatings). The department is taking this action in response to the Environmental Protection Agency's (EPA's) [decision](#) that it cannot approve R307-354 as a Reasonable Available Control Technology (RACT) rule as part of Utah's PM2.5 SIP until clarifying amendments have been made. Based on public comment, UDEQ [released proposed revisions](#) to clarify that exempt compounds are not volatile organic compounds (VOCs) by definition. The revisions also clarify that spray gun solvent cleaners that are defined as a consumer product under rule R304-357 are exempt from vapor pressure requirements. For more information, contact [Mark Berger](#) at (801) 536-4000.

**EMISSIONS FROM AEROSPACE MANUFACTURE AND REWORK FACILITIES** UDEQ [is proposing](#) amendments to rule [R307-355](#) (Control of Emissions from Aerospace Manufacture and Rework Facilities). The department is taking this action in response to [EPA's decision](#) that it cannot approve R307-355 as a RACT rule as part of Utah's PM2.5 SIP until clarifying

amendments have been made. In addition, UDEQ [released clarifying revisions](#) that exempt compounds are not VOC by definition. For more information, contact [Mark Berger](#) at (801) 536-4000.

**SOLVENT DEGREASING OPERATIONS** UDEQ [is proposing](#) amendments to rule [R307-335](#) (Degreasing and Solvent Cleaning Operations). The department is taking this action in response to [EPA's decision](#) that it cannot approve R307-335 as a RACT rule as part of Utah's PM2.5 SIP until clarifying amendments have been made. In addition, UDEQ [released revisions](#) to clarify that exempt compounds are not VOC by definition. For more information, contact [Mark Berger](#) at (801) 536-4000.

## ***CLEANUP***

**TANK CLOSURE AND REMEDIATION** UDEQ [adopted amendments](#) to definitions in rule [R311-204-3](#) (Underground Storage Tanks: Closure and Remediation). The amendments remove wording requiring that an underground storage tank (UST) that has been removed from the ground be labeled as "flammable" and as having contained leaded gasoline (as appropriate). The proposal does not change the requirement that the tank be labeled with the date of removal and the facility identification number. The final rule was effective 10 OCT 14. For more information, contact [Gary Astin](#) at (801) 536-4103.

**UST RISK PROFILES** UDEQ [adopted amendments](#) to state rules governing UST financial assurance, rule [R311-206-11](#) (Underground Storage Tanks: Certificate of Compliance and Financial Assurance Mechanisms). The amendments are in response to Utah House Bill ([HB](#)) [138](#) (2014), which authorized UDEQ Division of Environmental Response and Remediation to create a risk-based rebate system for environmental assurance fees. The proposed amendments specify that each UST facility participating in the Environmental Assurance Program receive a risk value for purposes of determining the amount of environmental assurance fee that the facility may receive as a rebate. The rule specifies that to be considered as secondarily contained, tanks, piping, and containment sumps must be tested to verify that the secondary containment is tight. The final rule was effective 10 OCT 14. For more information, contact [Gary Astin](#) at (801) 536-4103.

**RECOVERY OF EXPENSES FOR UST CLEANUP** UDEQ [adopted amendments](#) to state rules governing recovery of certain oversight expenses associated with UST site remediation. The rulemaking, which would amend rule [R311-209-4](#) (Petroleum Storage Tank Cleanup Fund and State Cleanup Appropriation) is being taken in response to [HB 138](#) (2014). The bill addresses reimbursement for the cost of managing and overseeing the cleanup of a release. The final rule was effective 10 OCT 14. For more information, contact [Gary Astin](#) at (801) 536-4103.

## ***RADIOACTIVE MATERIAL***

**PHYSICAL PROTECTION OF CATEGORY 1 AND CATEGORY 2 QUANTITIES OF RADIOACTIVE MATERIAL** UDEQ [is proposing](#) new rule [R313-37](#). The new rule would replace requirements for the physical protection of significant quantities of radioactive materials possessed by Utah radioactive material licensees that were previously imposed under a Nuclear Regulatory Commission (NRC) order or through special conditions in the licenses. The rulemaking incorporates by reference the requirements in Title 10 Code of Federal Regulation (CFR) 37 for the protection of [category 1 and category 2 quantities of radioactive materials](#). Comments are due 1 DEC 14. For more information, contact [Philip Griffin](#) at (801) 536-4261.

## ***WASTE***

**USED OIL MANAGEMENT** UDEQ [adopted amendments](#) to its rules for the management of used oil, rule [R315-15](#). The amendments are intended to clarify requirements and align the state rule with federal regulation. The amendments would update polychlorinated biphenyl (PCB) standards, containment requirements, and filter regulations. Other amendments clarify the standards applicable to burners of on-specification and off-specification used oil. Provisions regarding used oil handler certificates are also clarified. The revisions change the reporting limit for certain PCB test

methods from 0.5 parts per million (ppm) to 1 ppm or less. The final rule was effective 3 OCT 14. For more information, contact [Ralph Bohn](#) at (801) 536-0212.

## ***WATER***

**DATA REQUEST FOR 2016 INTEGRATED REPORT** UDEQ issued a [notice of data request](#) for the Clean Water Act (CWA) Section 305(b) State Water Quality Assessment. UDEQ will be assessing the waters of the state (streams and lakes) to determine their support of designated beneficial uses for the 2016 Integrated Report. To assist with the assessments, the department is soliciting any additional water quality data from individuals or organizations. Assessment methods are described in Chapter 2 of the 2014 Integrated Report, and credible data requirements will be posted on UDEQ's [assessment website](#) in November 2014. Comments are due 31 DEC 14. For more information, contact [Emilie Flemer](#) at (801) 536-4105.

**PHOSPHORUS POLLUTION RULE** UDEQ [released revisions](#) to its [proposed rule](#) to implement a technology-based effluent limit of 1.0 milligram per liter phosphorus into Utah Pollutant Discharge Elimination System (UPDES) permits for all non-lagoon treatment works that discharge into surface waters of the state. For lagoon treatment systems, the rule establishes a cap of 125% times the current average annual phosphorus load being discharged. [Proposed revisions](#) address the use of variances (exceptions to the rule). Comments were due 14 NOV 14. For more information, contact [Judy Etherington](#) at (801) 536-4344.

**RE-ISSUE: GENERAL PERMIT FOR STORM WATER DISCHARGES** UDEQ [released a public notice](#) that it intends to re-issue General Permit for Storm Water Discharges Associated Industrial Activities, Permit Number UTR000000. The permit covers discharges from industrial sectors I, R, AB, and AC. Covered sectors include oil or gas extraction facilities, ship or boat building and repair yards, facilities that manufacture transportation equipment, industrial or commercial machinery, and facilities that manufacture electronic and electrical equipment and components, and photographic and optical goods. According to UDEQ, areas on industrial sites which are not regulated include undisturbed areas, office complexes not immediately connected to industrial areas, office parking lots (except parking lots where materials/equipment are stored), providing storm water from these areas does not mix with discharges from industrial areas. Comments are due 26 NOV 14. For more information, contact [Michael George](#) at (801) 536-4393 or view this [fact sheet](#).

## ***LEGISLATIVE DEVELOPMENTS***

The [Utah 2015 legislative session](#) begins 16 JAN 15 and is estimated to adjourn 12 MAR 15. For information about legislation in 2014, refer to the [April 2014](#) edition of the Review.



## ***WASTE***

**HAZARDOUS WASTE RULE REVISIONS** The Wyoming Department of Environmental Quality [is proposing](#) to consolidate the Wyoming Hazardous Waste Rules and Regulations to a single amended chapter (Chapter 1). The rulemaking would consolidate 14 chapters to a single chapter by incorporating by reference specific parts of 40 CFR. The proposed revisions to the Wyoming hazardous waste rules are intended to clearly specify where Wyoming is more stringent, or broader in scope than the federal hazardous waste rules and regulations. The proposed rulemaking also includes housekeeping revisions to remove obsolete or duplicative provisions. Comments are due 10 DEC 14. For more information, contact [Alan Thompson](#) at (307) 777-8759.

## LEGISLATIVE DEVELOPMENTS

The [Wyoming 2015 legislative session](#) begins 13 JAN 15 and is estimated to adjourn 9 MAR 15. For information about legislation in 2014, refer to the [April 2014](#) edition of the Review.

# Department of Defense Activity

## CLIMATE CHANGE

**DoD CLIMATE CHANGE ADAPTATION ROADMAP** The Pentagon released a report titled [2014 Climate Change Adaptation Roadmap](#). The report asserts that climate change poses an immediate threat to national security, with increased risks to terrorism, infectious disease, global poverty, and food shortages. It predicts rising demand for military disaster response as extreme weather creates global humanitarian crises.

## ENERGY

**RENEWABLE ENERGY FOR NAVY IN CALIFORNIA** In coordination with the Navy's Renewable Energy Program Office, the Department of Energy's (DOE's) Western Area Power Administration (WAPA) [issued a request for proposal \(RFP\)](#) to meet the renewable energy requirements of 14 Navy installations in California. Under the RFP, the Navy will be able to contract to purchase power, along with the associated renewable energy credits, from new renewable energy generation projects for up to 25 years, at a stated fixed price with no escalation. Projects may be up to 150 megawatt (MW) and do not need to be on Navy or DoD lands. Projects must be compliant with California Renewable Portfolio Standard Content Category One Bundled Green Energy. For more information, contact Stacy Russ.

**DROP-IN BIOFUEL PRODUCTION** The Navy, DOE, and U.S Department of Agriculture (USDA) [announced](#) that three companies have been awarded contracts to construct and commission biorefineries capable of producing "drop-in" biofuels to meet the transportation needs of the military and private sector. In total, the projects will produce more than 100 million gallons of military grade fuel beginning in 2016 and 2017. The drop-in alternative fuels can be blended at a 50/50 ratio with traditional fossil fuels. Contracts were awarded to:

- Emerald Biofuels: to build an 82 million gallon per year refinery on the Gulf Coast using waste fats to create military grade fuel.
- Fulcrum BioEnergy: to build a 10 million gallon per year refinery in McCarran, Nevada, using municipal solid waste as its feedstock and the Fischer-Tropsch process to create fuel.
- Red Rock Biofuels: to build a 12 million gallon per year refinery in Lakeview, Oregon, using woody biomass or the by-products of forest management as its feedstock and the Fischer-Tropsch process to create a refined product.

## SUSTAINABILITY

**ARMY SUSTAINABILITY REPORT** The Assistant Secretary of the Army for Installations, Energy and Environment [released](#) the Army's [Sustainability Report 2014](#), highlighting the Army's progress in Fiscal Years 2012-2013. The report describes progress in land management, operational energy, community partnerships, and programs that support holistic health and well-being. It includes sections on installations, operations, and commitment to soldiers, families, and communities. Each section addresses topics of note, reports progress against relevant sustainability metrics, and highlights successes. This report aligns with the Army's reporting for the [DoD Strategic Sustainability Performance Plan](#), per Executive Order (EO) [13514](#) (Federal Leadership in Environmental, Energy, and Economic Performance).

# Federal Activity

## *AIR*

**HCFC IMPORT AND EXPORT, RECLAMATION** EPA is adjusting the allowance system for the consumption and production of hydrochlorofluorocarbons (HCFCs) ([79 FR 64253](#)). The agency released a final rule that sets annual production and consumption allowances for HCFC-22, HCFC-142b, HCFC-123, and HCFC-124 for the years 2015-2019. The rule also makes minor changes to the reclamation regulations, updates the use restrictions to account for a recent amendment to the Clean Air Act (CAA), and finalizes a de minimis exemption to the use restrictions for certain uses of HCFC-225ca/cb and HCFC-124. EPA is finalizing its proposal to require disaggregated information for all reclaimed refrigerants as part of the annual reporting. The revision will appear at [40 CFR 82.166\(h\)](#). The final rule is effective 12 JAN 15. For more information, contact [Elizabeth Whiteley](#) at (202) 343-9310.

**DELEGATION OF AUTHORITY: REGION 8 STATES** EPA delegated authority to implement and enforce CAA New Source Performance Standards (NSPS) to the states of Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming ([79 FR 60993](#)). In addition, EPA is taking direct final action to delete the delegation status table of NSPS for Region 8 states in the CFR and replace it with an internet address reflecting current delegation status of Region 8 states. The final rule is effective 8 DEC 14 unless the EPA received adverse comment by 10 NOV 14. For more information, contact [Abby Fulton](#) at (303) 312-6563.

**NORTH DAKOTA SIP** EPA is approving changes to the North Dakota SIP that removed two exemptions from state rules ([79 FR 63045](#)). The rulemaking removes subsections [33-15-03-04.4](#) (Restriction of Visible Air Contaminants – Exemptions) and [33-15-05-01.2.a\(l\)](#) (Emissions of Particulate Matter Restricted – Particulate Matter from Industrial Processes) from the North Dakota Administrative Code (NDAC). The two sections were removed from state rules because they were not consistent with CAA requirements. The final rule is effective 22 NOV 14. For more information, contact [Adam Clark](#) at (303) 312-7104.

**WYOMING SIP** EPA is proposing to approve revisions to the Wyoming SIP regarding an exemption from visible emissions ([79 FR 62859](#)). The revision removes an exemption in Wyoming Air Quality Standards and Regulations (WQASR) [Chapter 2, Section 2\(d\)](#). The section had exempted diesel engine emissions from violations during warm-ups following a cold start or where they were undergoing repairs and adjustment following a malfunction. The final rule is effective 20 NOV 14. For more information, contact [Adam Clark](#) at (303) 312-7104.

## *CLEANUP*

**FY15 SUPERFUND IMPLEMENTATION MANUAL** EPA's Office of Solid Waste and Emergency Response (OSWER) released its [FY 2015 Superfund Program Implementation Manual](#). The manual provides overarching program management priorities, procedures, and practices for the Superfund remedial, removal, enforcement, and federal facilities programs. The manual is divided into 12 chapters, six of which highlight priorities, initiatives, and performance measures for Superfund programs. The manual is intended for use by regional Superfund branch chiefs.

**SUPERFUND NOTIFICATION** EPA is proposing to broaden the methods by which it can notify the public about certain Superfund activities ([79 FR 59179](#)). The [National Oil and Hazardous Substances Pollution Contingency Plan](#) requires that the public be notified of certain Superfund activities by a notice in a major local newspaper of general circulation. EPA is proposing to amend the notification requirements specified in the plan so that it can adopt a notification approach that is most effective at informing a community. Comments were due 31 OCT 14. For more information, contact [Jean Farrell](#) at (703) 603-9055.

**VAPOR INTRUSION: EPA MEMORANDUM FOR REGIONAL SUPERFUND DIVISION DIRECTORS** EPA's OSWER sent a [memorandum](#) to EPA Region 1-10 Superfund division directors that provides information about existing EPA guidance on early or interim actions at Superfund sites. The memorandum also provides current information about the toxicity of trichloroethylene (TCE). Information referenced in the memorandum may be used by EPA Regional Superfund division directors to support Superfund decision-making at sites with actual or potential inhalation exposures to TCE. Visit OSWER's [vapor intrusion](#) and [risk assessment](#) websites for more information and guidance, or contact Michael Scozzafava at (703) 603-8833.

## ***CLIMATE CHANGE***

**EPA CLIMATE CHANGE ADAPTATION IMPLEMENTATION PLANS** EPA released the final versions of its agency-wide [Climate Change Adaptation Plan](#) and the [17 Climate Change Adaptation Implementation Plans](#) (seven office-specific plans and 10 regional plans). Taken together, the implementation plans demonstrate how the EPA will attain the 10 agency-wide priorities presented in the Climate Change Adaptation Plan. A central element of all of EPA's plans is to build and strengthen its adaptive capacity and work with its partners to build capacity in states, tribes, and local communities. Each program and regional office's *Implementation Plan* contains an initial assessment of the implications of climate change for the organization's goals and objectives. The plan then identifies specific priority actions that the office (or region) will take to begin addressing its vulnerabilities and mainstreaming climate change adaptation into its activities. For more information, view plans specific to [Region 8](#), [Region 9](#), and [Region 10](#).

**GHG REPORTING PROGRAM** EPA amended reporting and recordkeeping requirements for its Greenhouse Gas (GHG) Reporting Program ([79 FR 63749](#)). The amendments include an alternative verification approach for certain reporters that have disclosure concerns. The alternative verification approach includes the addition of new verification, recordkeeping, and reporting requirements. Affected categories include the broad category of General Stationary Fuel Combustion Sources. In conjunction with the amendments, the EPA is establishing final confidentiality determinations for the new data elements added in this action. The final rule is effective 24 NOV 14. For more information, contact [Carole Cook](#) at (202) 343-9263.

**COMPILATION OF STATE CLIMATE ADAPTATION EFFORTS** The [Georgetown Climate Center](#) published an online [tool](#) showing what states and communities are doing to adapt to climate change. Click on a state to view a summary of its progress to date and to access its full profile page. State profile pages include a detailed breakdown of each state's adaptation work and links to local adaptation plans and resources.

**CAR SHARING FOR FEDERAL FLEETS** The General Services Administration (GSA) is exploring whether [car sharing](#) could help federal agencies reduce costs, improve efficiency, optimize vehicle use, and generally provide a more sustainable approach to government fleet management. GSA will pilot car-sharing as an option for federal agencies in Washington, D.C., New York City, Boston, and Chicago, and has awarded contracts to vendors that will provide car-sharing as an option for federal employees that use government vehicles on a short-term hourly basis, not to exceed a one-day maximum.

## ***ENERGY***

**GREEN BUILDING CERTIFICATION SYSTEMS FOR FEDERAL BUILDINGS** DOE released the [text of a final rule](#) addressing [green building certification systems](#) for federal agencies. Federal agencies are not required to use a green building rating system, but if they choose to do so, the systems must meet the criteria specified in the final rule. The rule adds identical green building certification criteria to both 10 CFR Part 433 (Federal Commercial and Multi-Family High-Rise Residential Energy Efficiency Standards) and 10 CFR Part 435 (Federal Low-Rise Residential Energy Efficiency Standards). For more information, contact [Sarah Jensen](#) at (202) 287-6033.

**FOSSIL-FUEL ENERGY CONSUMPTION FOR FEDERAL BUILDINGS** DOE released the [text of a supplemental notice](#) addressing the fossil fuel-generated energy provisions of the [Energy Conservation and Production Act](#) (ECPA), as

amended for federal buildings. In the notice, DOE responds to comments made to its [2010 proposal](#) and requests comment on additional approaches and clarifications. ECPA, as amended by the Energy Independence and Security Act of 2007 (EISA) requires DOE to establish revised performance standards for the construction of all new federal buildings, including commercial buildings, multi-family high-rise residential buildings, and low-rise residential buildings. Comments will be accepted for 60 days following publication in the Federal Register. For more information, contact [Sarah Jensen](#) at (202) 287-6033.

**BUILDINGS-TO-GRID INTEGRATION** DOE released a draft document titled *Transaction-Based Building Controls Framework, Volume 1: Reference Guide* ([79 FR 61067](#)). The guidance document proposes a framework concept to achieve the objectives of raising buildings' efficiency and energy savings potential. The draft document is available on [Regulations.gov](#) (docket D=EERE-2014-BT-NOA-0016). For more information, contact [Joseph Hagerman](#) at (202) 586-4549.

**DOE TO FUND ADVANCED BIOFUELS AND BIOFUEL PRODUCTS** DOE [announced](#) up to \$13.4 million for five projects to develop advanced biofuels and bioproducts that will help drive down the cost of producing gasoline, diesel, and jet fuel from biomass. The research and development projects, located in Wisconsin, Minnesota, California, Colorado, and Georgia, will focus on developing integrated processes for the production of advanced biofuels and chemicals. Two of the projects will address research efforts on the efficient conversion of biogas (a mixture of gases generated from the biological breakdown of organic material) to valuable products other than power.

**RENEWABLE ENERGY: REQUEST FOR INFORMATION, POSSIBLE FUNDING OPPORTUNITY** DOE's Office of Energy Efficiency and Renewable Energy (EERE) is requesting information about a possible funding opportunity that would promote renewable energy and energy conservation at federal facilities ([79 FR 62609](#)). The funding opportunity may focus on combined heat and power (CHP) and renewable energy inclusive of solar, wind, biomass, landfill gas, ocean, geothermal, waste-to-energy, and new hydroelectric energy technologies. Further, the funding opportunity may target projects incorporated into privately financed contracts such as Energy Savings Performance Contracts (ESPCs), Utility Energy Service Contracts (UESCs), and Power Purchase Agreements (PPAs). The purpose of this notice is to encourage prospective applicants to begin formulating ideas, gathering data, and developing partnerships in anticipation of the funding opportunity. Prior to issuing a notice of funding opportunity, the Federal Energy Management Program (FEMP) is making technical assistance available upon request to federal agencies to identify and analyze CHP or renewable energy opportunities and technologies. Responses were due 13 NOV 14. For more information, contact [EERE](#) or view the [notice of intent](#).

**PUBLIC LANDS FOR RENEWABLE ENERGY DEVELOPMENT** The Bureau of Land Management (BLM) is proposing to amend existing regulations to facilitate responsible solar and wind energy development and to receive fair market value for such development ([79 FR 59021](#)). The proposed rule would promote the use of preferred areas for solar and wind energy development and establish competitive processes, terms, and conditions (including rental and bonding requirements) for solar and wind energy rights-of-way both inside and outside these preferred areas. BLM ranks as medium-priority, but still feasible to authorize, applications involving lands designated as "DoD operating areas with land use or operational conflicts." Comments are due 1 DEC 14. For more information, contact Ray Brady at (202) 912-7312.

**SMART GRID FRAMEWORK** The National Institute of Standards and Technology (NIST) [published](#) *NIST Framework and Roadmap for Smart Grid Interoperability Standards, Release 3.0*, a document that reflects advances in smart grid technologies and developments. The 3.0 framework updates the plan for transforming the nation's aging electric power system into an interoperable smart grid. The framework now includes 74 updated standards and protocols, including seven standards not included in prior versions. The updated model reflects the growing importance of "distributed energy resources," which include nontraditional sources such as customer-owned solar and wind power systems.

## ***NATURAL RESOURCES***

**DANGER TO BIRDS FROM OPEN PIPES** Open pipes, widely used for a variety of purposes across the western U.S. landscape, have been [reported](#) as a “potentially very large” source of bird mortality according to research by scientists at Los Alamos National Laboratory (LANL). The [study](#) looked at pipes installed vertically with an open top, such as gate posts, open bollards, or survey and boundary markers. The pipes pose an entrapment threat to birds, especially to cavity-nesting birds. For more information, contact [Robert Johns](#) at (202) 888-7472.

**SAN GABRIEL MOUNTAINS NATIONAL MONUMENT** President Obama issued a [proclamation](#) establishing the San Gabriel Mountains National Monument in California. The San Gabriel Mountains National Monument covers 346,177 acres of federal land. It will be managed by the U.S. Forest Service and will be the eighth national monument under Forest Service management. There are more than 100 national monuments across the country managed by the Forest Service, National Park Service, Fish and Wildlife Service (FWS), BLM, and National Oceanic and Atmospheric Administration (NOAA).

**HONEY BEES** A working group chaired by the White House Council on Environmental Quality (CEQ) released the guidance document titled [Supporting the Health of Honey Bees and Other Pollinators](#). The document is an addendum to the Sustainable Practices for Designed Landscapes guidance and supports the June 2014 [Presidential Memorandum](#) on pollinators. For more information, visit CEQ’s [website](#) on pollinators.

## ***SUSTAINABILITY***

**BIOBASED PRODUCT LABELING** USDA is proposing to amend its regulations governing the Voluntary Labeling Program for Biobased Products ([79 FR 63846](#)). The amendments would incorporate statutory changes introduced by the Agricultural Act of 2014 (the 2014 Farm Bill). The 2014 Farm Bill presses USDA to move forward with designation of complex assemblies that contain biobased content. A “complex assembly” is a multi-component assembled product with one or more component(s) being made with biobased material. Comments are due 26 DEC 14. For more information, contact [Ron Buckhalt](#) at (202) 205-4008.

**GUIDELINES FOR DESIGNATING BIOBASED PRODUCTS** USDA is proposing to amend its regulations governing guidelines for designating biobased products for federal procurement ([79 FR 63841](#)). The proposed rule would create additional reporting and procurement responsibilities related to biobased products, including a requirement for agencies to report quantities and types of biobased products purchased. It would also add a definition of “innovative” as it applies to identifying forest products that qualify for federal biobased procurement preference. Prior to final implementation, conforming changes will need to be made to the Federal Acquisition Regulation (FAR). Comments are due 26 DEC 14. For more information, contact [Ron Buckhalt](#) at (202) 205-4008.

## ***TOXICS***

**GREEN PRODUCT AWARD WINNERS** EPA [announced](#) the [Presidential Green Chemistry Challenge winners](#) for 2014. Winners include:

- Halogen-free foam concentrates for firefighting: The Solberg Company developed a line of halogen-free fire fighting foams suitable for fighting Class B fires fueled by flammable or combustible liquids. ([more information](#))
- Renewable hydrocarbon for diesel and jet fuel: Amyris Inc. developed a yeast strain that converts sugars into the hydrocarbon farsane (rather than ethanol). Farsane can be processed to provide renewable a drop-in replacement for diesel or a blend stock for jet fuel. ([more information](#))

**OSHA CHEMICAL MANAGEMENT AND PELS** The Occupational Safety and Health Administration (OSHA) is reviewing its overall approach to managing chemical exposures in the workplace and is seeking stakeholder input to address challenges found with its current regulatory approach ([79 FR 61383](#)). OSHA is considering moving to a risk based

assessment approach to update permissible exposure limits (PELs) for larger numbers of workplace chemicals. OSHA is also seeking to align its approach with those employed by EPA's Integrated Risk Information System (IRIS), National Institute for Occupational Safety and Health (NIOSH), Agency for Toxic Substances Disease Registry (ATSDR), European Union Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH), and others. Comments are due 8 APR 15. For general information, contact [Frank Meilinger](#) at (202) 693-1999. For technical information, contact [Lyn Penniman](#) at (202) 693-1950.

## ***THREATENED AND ENDANGERED SPECIES***

**YELLOW-BILLED CUCKOO** FWS listed the western distinct population segment (DPS) of the [yellow-billed cuckoo](#) (*Coccyzus americanus*) as threatened ([79 FR 59991](#)). The western DPS of the species is known or believed to occur in Arizona, California, Colorado, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington, and Wyoming. The final rule was effective 3 NOV 14. For more information, contact Jennifer Norris at (916) 414-6600.

**RIO GRANDE CUTTHROAT TROUT** FWS has determined that listing the [Rio Grande cutthroat trout](#) (*Oncorhynchus clarkii virginalis*) is not warranted ([79 FR 59140](#)). The Rio Grande cutthroat trout is a subspecies of cutthroat trout, endemic to the Rio Grande, Pecos, and possibly the Canadian River Basins in New Mexico and Colorado. The finding was made 1 OCT 14. For more information, contact Wally "J" Murphy at (505) 346-2525.

**DAKOTA SKIPPER AND POWESHIEK SKIPPERLING** FWS issued final listing determinations for two butterfly species ([79 FR 63671](#)). FWS determined threatened status for the [Dakota skipper](#) (*Hesperia dacotae*), a butterfly currently found in Minnesota, North Dakota, South Dakota, Manitoba, and Saskatchewan and endangered species status for the [Poweshiek skipperling](#) (*Oarisma poweshiek*), a butterfly currently found in Michigan, Minnesota, Wisconsin, and Manitoba. The final rule is effective 24 NOV 14. For more information, contact Peter Fasbender at (612) 725-3548.

## ***WASTE***

**EBOLA-CONTAMINATED WASTE** The Pipeline and Hazardous Materials Safety Administration (PHMSA) issued a [safety advisory](#) to provide guidance on Department of Transportation (DOT) Hazardous Materials Regulations (HMR) to persons who prepare, offer, and transport materials contaminated or suspected of being contaminated with the Ebola virus ([79 FR 64646](#)). Material contaminated or suspected of being contaminated with Ebola is regulated as a Category A infectious substance under the HMR. To ensure safe transportation, Ebola contaminated materials must be packaged in conformity with the applicable requirements in the HMR for Category A infectious substances. For more information, contact Charles Betts at (202) 366-8553.

## ***WATER***

**STORMWATER MANAGEMENT: GREEN INFRASTRUCTURE COLLABORATIVE** EPA and other federal agencies, non-governmental organizations, and private-sector entities formed the [Green Infrastructure Collaborative](#), a network to help communities more easily implement green infrastructure. The collaborative released a revised [Statement of Support](#) in which DoD committed to:

- Develop and distribute guidance on how to operate and maintain green infrastructure on military bases in the United States;
- Provide training and awareness on green infrastructure tools and implementation;
- Increase the amount of pervious surfaces by removing building pads for demolished buildings; and
- Update the [Unified Facilities Criteria on Landscape Architecture](#) (3-201-02) to clarify guidance on green infrastructure.

As used by EPA, [green infrastructure](#) generally refers to the management of stormwater runoff using engineered systems that mimic natural systems to treat polluted stormwater runoff.

**DENTAL AMALGAM** EPA is proposing technology-based pretreatment standards for discharges of pollutants into publicly owned treatment works (POTWs) from existing and new dental practices that discharge [dental amalgam \(79 FR 63257\)](#). The proposal would require dental practices to use [amalgam separators](#) and implement [BMPs](#). In addition, EPA is proposing to amend selected parts of the General Pretreatment Regulations to streamline oversight requirements for the dental sector. Dental amalgam contains mercury in a highly concentrated form that is relatively easy to collect and recycle. Dental offices are the main source of mercury discharges to POTWs. Comments are due 22 DEC 14. A public hearing was held 10 NOV 14 in Washington, DC. For more information, contact [Damon Highsmith](#) at (202) 566-2504.

**POSSIBLE NEW DRINKING WATER CONTAMINANT RULE** EPA released a preliminary determination to regulate one contaminant (strontium) and not to regulate four other contaminants ([79 FR 62715](#)). The four contaminants are [1,3-dinitrobenzene](#) (used in the manufacture of explosives), dimethoate, terbufos, and terbufos sulfone. The Safe Drinking Water Act (SDWA) requires EPA to make regulatory determinations every five years on at least five unregulated contaminants. A regulatory determination is a decision about whether or not to begin the process to propose and promulgate a national primary drinking water regulation (NPDWR) for an unregulated contaminant. EPA is seeking comment on the preliminary determinations. Comments are due 19 DEC 14. For more information, contact [Zeno Bain](#) at (202) 564-5970.

**EPA/USACE EXTEND COMMENT PERIOD FOR DEFINITION OF WATERS OF THE U.S.** EPA and USACE extended the public comment period for the [April 2014 proposed rule](#) to define waters of the United States ([79 FR 61590](#)). The public comment period was extended to 14 NOV 14. For more information, contact [Donna Downing](#) (EPA) at (202) 566-2428 or [Stacey Jensen](#) (USACE) at (202) 761-5856.

**PEER REVIEW OF EPA REPORT ON DEFINITION OF WATERS OF THE U.S.** The EPA's Science Advisory Board (SAB) released a final [peer review](#) of EPA's draft report titled [Connectivity of Streams and Wetlands to Downstream Waters: A Review and Synthesis](#). SAB had been asked to comment on the clarity and technical accuracy of the report, whether it includes the most relevant peer reviewed literature, whether the literature has been correctly summarized, and whether the findings and conclusions are supported by the available science. The document has been placed in the [docket](#) (Docket ID No. EPA-HQ-OW-2011-0880) for the EPA/USACE [proposed rule](#) to define waters of the United States ([79 FR 63594](#)). Comments were due 14 NOV 14. For more information, contact [Donna Downing](#) (EPA) at (202) 566-2428.

**GAO REPORT: OCEAN ACIDIFICATION** The Government Accountability Office (GAO) issued a report reviewing federal efforts to address ocean acidification ([GAO-14-736](#)). Increasing carbon dioxide (CO<sub>2</sub>) in the atmosphere and oceans are resulting in chemical changes referred to as ocean acidification. In addition to increasing acidity, higher levels of CO<sub>2</sub> in the oceans can make it more difficult for marine life to create, grow, or maintain shells and skeletons. The potential to alter marine food webs was identified as one of the most significant ecosystem-level effects that could result from ocean acidification. As part of the effort, GAO reviewed several summary reports and scientific literature. GAO found that federal responses are underway, but additional actions are needed to understand and address potential impacts. GAO noted that several federal agencies have taken steps to implement the [Federal Ocean Acidification Research and Monitoring Act of 2009](#) (FOARAM) but have yet to complete some of the act's requirements, such as budgeting for implementing the research and monitoring plan required by the act. For more information, contact [Steve Morris](#) at (202) 512-3841.

## *Professional Development*

### ***DoD TRAINING SOURCES***

**USACE PROSPECT TRAINING** USACE announces course availability for the FY15 PROSPECT (i.e., Proponent-Sponsored Engineer Corps Training) program. Courses are open to all federal, state, county, and city employees and

contractors. There are different registration processes for each entity. Please refer to the [Course Catalog](#) and [List of Classes and schedule](#) for details.

**NAVY AND ISEERB ENVIRONMENTAL TRAINING** The Navy and the Interservice Environmental Education Review Board (ISEERB) Environmental Training schedule 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** The Air Force Civil Engineering School offers a variety of environmental management courses and seminars, including ISEERB offerings. Courses offered by the Civil Engineer School are available to all military and civilian employees of the U.S. government, free of charges. Travel costs are borne by the student.

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

## ***FEDERAL TRAINING SOURCES***

**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.

## ***ONLINE TRAINING: SCHEDULED EVENTS***

**\*SERDP AND ESTCP WEBINAR SERIES** The DoD environmental research and development funding programs ([SERDP and ESTCP](#)) are launching a [webinar series](#) to promote the transfer of innovative, cost-effective and sustainable solutions developed using SERDP and ESTCP funding. Live webinars will be offered every two weeks on Thursdays from 12:00 PM ET (9:00 AM PT) for 90 minutes. Most webinars will feature two 30-minute presentations and interactive question and answer sessions, on topics targeted for DoD and DOE audiences.

- Management of Contaminated Sediments Sites (20 NOV 14)
- Waste to Energy Technologies (4 DEC 14)

- Energy Audits (18 DEC 14)
- DNAPL (Dense Non-Aqueous Phase Liquid) Source Zone Management (8 JAN 15)
- Sustainable Materials (22 JAN 15)
- Acoustic Methods for Underwater Munitions (5 FEB 15)
- Solar Technologies (19 FEB 15)
- Lead Free Electronics (5 MAR 15)
- Bioremediation Approaches at Chlorinated Solvent Sites (19 MAR 15)
- Resource Conservation and Climate Change (26 MAR 15)
- Blast Noise Measurements and Community Response (16 APR 15)
- Munitions Mobility (7 MAY 15)
- Managing Munition Constituents on Training Ranges (28 MAY 15)

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

- [Advanced Electric Metering in Federal Facilities](#) (3.5 hours, .40 CEUs)
- [Building Automation Systems for Existing Federal Facilities](#) (3.5 hours, .40 CEUs)
- [Commissioning for Existing Federal Buildings](#) (4.5 hours, .50 CEUs)
- [Energy-Efficient Federal Purchasing](#) (4.5 hours, .50 CEUs)
- [Energy Savings Performance Contracting](#) (8.5 hours, .90 CEUs)
- [Federal On-Site Renewable Power Purchase Agreements](#) (2.5 hours, .30 CEUs)
- [Launching a Utility Energy Services Contract \(UESC\): Getting to Yes!](#) (3 hours, .40 CEUs)
- [Managing Water Assessment in Federal Facilities](#) (3.5 hours, .40 CEUs)
- [Measurement and Verification in ESPCs](#) (3 hours, .40 CEUs)
- [Planning an Energy Assessment for Federal Facilities](#) (4 hours, .50 CEUs)
- [Selecting, Implementing, and Funding Photovoltaic Systems in Federal Facilities](#) (3.5 hours, .40 CEUs)
- [Sustainable Institutional Change for Federal Facility Managers](#) (3 hours, .40 CEUs)
- [Utility Service Contracts and Energy Project Incentive Funds](#) (90 minutes)

**ENERGY STAR WEBCASTS.** Among the offerings:

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

**CLIMATE 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.

**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. Previously scheduled webinars are available anytime.

**EPA SUSTAINABLE MATERIALS MANAGEMENT ACADEMY** Learn about key issues, successful projects, and a variety of best management practices for creating waste management programs, from the series of live and archived webinars. 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 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.

### ***ONLINE TRAINING: AVAILABLE ANYTIME***

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

**WATER'S IMPACT ON THE ENERGY SECTOR** This on-demand 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.

**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.

**AREA SOURCE BOILER RULE VIDEO SERIES** This [EPA video series](#) explaining the Area Source Boiler Rule consists of modules regarding:

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

Area sources are commercial (e.g., laundries, apartments, hotels), institutional (e.g., schools, churches, medical centers, municipal buildings) or industrial (e.g., manufacturing, refining, processing, mining) facilities that emit or have the potential to emit less than 10 tons per year (tpy) of a single hazardous air pollutant, or less than 25 tpy combined

hazardous air pollutants. The Area Source Boiler Rule affects boilers at these facilities that burn coal (including coal refuse, petroleum coke, or synthetic fuels derived from coal), oil or other liquid fuel, biomass, and non-waste materials.

**BEST PRACTICES FOR COMPREHENSIVE WATER MANAGEMENT FOR FEDERAL FACILITIES** This comprehensive water management training provides federal facility and energy managers with knowledge and skills to assist in meeting water-related legislative and executive order requirements. Learners will develop skills in increasing water efficiency and reducing water use through sound operations and maintenance practices and water-efficient technologies. Several methods for meeting needs for non-potable water through alternate water sources, such as rainwater harvesting, reclaimed wastewater, and gray water are discussed. Water metering is covered, as well as life cycle costing and establishing the overall economics for strategic water management.

**PRELIMINARY ASSESSMENT AND SITE INSPECTION (PA/SI) WEBINAR SERIES** The CERCLA Education Center (CEC) is offering archived versions of its nine-part Preliminary Assessment and Site Inspection (PA/SI) [webinar series](#). PA/SI is an intermediate training course designed for personnel who are required to compile, draft, and review PA, SI, and hazard ranking system (HRS) documentation records and packages submitted for sites proposed for the National Priorities List (NPL). More information is available at [www.clu-in.org](http://www.clu-in.org).

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

**EPA AIR POLLUTION TRAINING INSTITUTE (APTI)** EPA's [Air Pollution Training Institute](#) (APTI) offers a variety of online self instructional courses and videos for air pollution professionals. Although APTI courses are designed for state and local government officials, the courses, webinars, and videos are available to anyone.

## ***CLASSROOM/INTERNET TRAINING SOURCES***

**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.

## *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*

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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
CATEX	categorical exclusion
CCR	Code of Colorado Regulations
CDNR	Colorado Department of Natural Resources
CDPHE	Colorado Department of Public Health and Environment
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CEQ	Council on Environmental Quality
CFR	Code of Federal Regulation
CH <sub>4</sub>	methane
CNOR	candidate notice of review
CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	carbon dioxide equivalent
CrVI	hexavalent chromium
CSB	Chemical Safety Board
CWA	Clean Water Act
CWQCC	Colorado Water Quality Control Commission
DA	Department of Agriculture
DO	dissolved oxygen
DoD	Department of Defense
DOE	Department of Energy
DOI	Department of Interior
DOT	Department of Transportation
DPS	distinct population segment
ECF	emission comparable fuel
EIS	environmental impact statement
EISA	Energy Independence and Security Act of 2007
EO	Executive Order
EPA	Environmental Protection Agency
EPAct	Energy Policy Act of 2005
EPCRA	Emergency Planning and Community Right-to-Know Act
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
FIP	Federal Implementation Plan
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
HAZMAT	hazardous material
HCFC	hydrochlorofluorocarbon
HFC	hydrofluorocarbon
HFE	hydrofluorinated ethers
INRMP	integrated natural resource management plan
ISEERB	Interservice Environmental Education Review Board
ITRC	Interstate Technology and Regulatory Council
JLUS	Joint Land Use Study
LBP	lead-based paint
LEED	Leadership in Energy and Environmental Design
LID	Low-Impact Development
MACT	maximum achievable control technology
MBER	Montana Board of Environmental Review
MCL	maximum contaminant level
MCLG	maximum contaminant level goal
MDEQ	Montana Department of Environmental Quality
MDNRC	Montana Department of Natural Resources and Conservation
MERIT	Materials of Evolving Regulatory Interest Team
MGA	Midwestern Governors Association
MOU	memorandum of understanding
MMS	Minerals Management Service
MS4	municipal separate storm sewer system
MSGP	multi-sector general permit
N <sub>2</sub> O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NCSL	National Conference of State Legislatures
NDDOH	North Dakota Department of Health
NEP	nonessential experimental population
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NF <sub>3</sub>	nitrogen trifluoride
NHTSA	National Highway Transportation Safety Administration
NIST	National Institute of Standards and Technology
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NO <sub>2</sub>	nitrogen dioxide
NOx	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NRC	National Research Council
NSPS	New Source Performance Standard
NSR	New Source Review
OIE	Office of Energy Initiatives
OMB	Office of Management and Budget
ORCR	Office of Resource Conservation and Recovery
ORW	outstanding resource water
OSHA	Occupational Safety and Health Administration
P2	pollution prevention
PBDE	polybrominated diphenyl ethers
PFC	perfluorocarbons
PFOA	perfluorooctanoic acid
PFOS	perfluorooctane sulfonic acid
PHMSA	Pipeline and Hazardous Materials Safety Administration
PM	particulate matter
PM <sub>2.5</sub>	particulate matter 2.5 microns in diameter or less
PM <sub>10</sub>	particulate matter 10 microns in diameter or less
POP	persistent organic pollutant

ppb	parts per billion
PSD	Prevention of Significant Deterioration
PWS	public water system
RCRA	Resource Conservation and Recovery Act
RGGI	Regional Greenhouse Gas Initiative
RoC	Report on Carcinogens
RoHS	European Union's Restriction of Hazardous Substances
RRP	Renovation, Repair, and Painting
SDDENR	South Dakota Department of Environment and Natural Resources
SERDP	Strategic Environmental Research and Development Program
SI	spark-ignition
SIP	State Implementation Plan
SNAP	significant new alternatives policy
SNUR	significant new use rule
SO <sub>2</sub>	sulfur dioxide
SO <sub>x</sub>	sulfur oxides
SPCC	spill prevention, control, and countermeasures
TMDL	total maximum daily load
tpy	tons per year
TRI	Toxics Release Inventory
TSCA	Toxic Substance Control Act
UDEQ	Utah Department of Environmental Quality
UDNR	Utah Department of Natural Resources
UFC	Unified Facilities Criteria
ug/m <sup>3</sup>	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

**The Army Regional Environmental and Energy Offices' close cooperation between the military and regional policymakers helps to resolve issues *before* they become laws and regulations.** The REEOs monitor proposed state environmental and energy laws and regulations for impacts to installation missions. When legislation or a regulation important to the Army or DOD is being developed, REEOs work with the other military Services to offer language to support or oppose the issue.

To comment on an item in the *Western Review*, please contact the Regional Environmental Coordinator listed at the top of page 2 and/or in the [Staff Directory](#).

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