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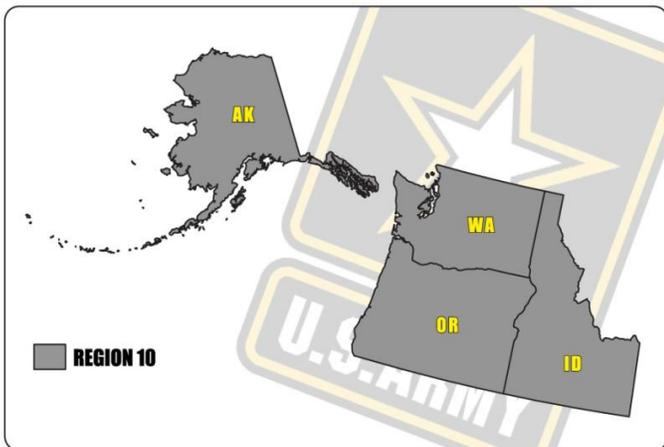
# Western Review of Legislative & Regulatory Actions Region 10



The U.S. Army Regional Environmental & Energy Office

August 2014

The **WESTERN REGION 10 REVIEW** provides current information on natural resource, energy and environmental issues relevant to Department of Defense interests in the 4 states that comprise Federal Region 10. 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 10 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](mailto:nancy.l.reese2.ctr@mail.mil).



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### FINAL POLICY INTERPRETATION OF "SIGNIFICANT PORTION OF ITS RANGE"

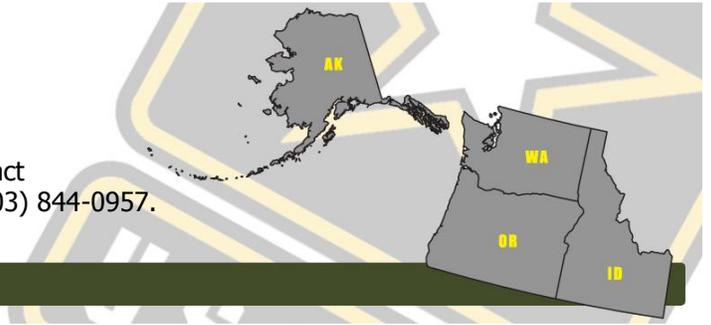
The Fish and Wildlife Service (FWS) and National Marine Fisheries Service (NMFS) collectively issued a final policy providing their interpretations of the phrase "significant portion of its range" in Endangered Species Act (ESA) definitions of endangered species and threatened species. The services concluded that:

- If a species is found to be endangered or threatened throughout a significant portion of its range, the entire species is listed as endangered or threatened, respectively, and ESA protections apply to all individuals of the species wherever found;
- A portion of the range of a species is "significant" if the species is not currently endangered or threatened throughout all of its range, but the portion's contribution to the viability of the species is so important that, without the members in that portion, the species would be in danger of extinction, or likely to become so in the foreseeable future, throughout all of its range;
- The range of a species is considered to be the general geographical area within which that species can be found at the time FWS or NMFS makes any particular status determination; and
- If a vertebrate species is endangered or threatened throughout a significant portion of its range, and the population in that significant portion is a valid distinct population segment (DPS), the services will list the DPS rather than the entire taxonomic species or subspecies.

The policy was effective 31 JUL 14. For more information, contact Gina Shultz (FWS) at (703) 358-2171 or Marta Nammack (NMFS) at (301) 427-8469.

# Region 10

For more information on any state issues in Region 10, contact [Park Haney](#), Acting Region 10 Environmental Coordinator (303) 844-0957.



## *WATER*

**PRELIMINARY GENERAL PERMIT FOR NON-CONTACT COOLING WATER DISCHARGES** The Alaska Department of Environmental Conservation (ADEC) [released](#) the Alaska Pollutant Discharge Elimination System (APDES) preliminary draft general permit for non-contact cooling water discharges (AKG250000) for public review and comment. The general permit would authorize discharge of waters that remove heat from industrial processes to surface waters. Examples of covered activities include discharges of non-contact cooling water, defrost water, heat pump transfer water, and cooling tower blowdown. Comments were due 4 AUG 14. For more information, contact [Steven Russell](#) at (907) 334-2227 or visit ADEC's [website](#) to view the draft general permit, fact sheet, and associated documents.

## *LEGISLATIVE DEVELOPMENTS*

The [Alaska 2014 legislative session](#) began 21 JAN 14 and adjourned 25 APR 14. For more information about legislation in 2014, refer to the [May 2014](#) edition of the Review.



## *TOXICS*

**RADIATION CONTROL RULES** The Idaho Department of Health and Welfare [is proposing](#) to update Idaho Administrative Rule [16.02.27](#) (Idaho Radiation Control Rule). The department intends to update the rule to include handheld x-ray devices, and define the frequency of x-ray producing device registration periods. In addition, the department intends to propose fees to ensure continued participation of organizations operating x-ray producing devices and enhanced monitoring of exposure rates to operators and the public. [Public meetings](#) were held 16-17 JUL 14. For more information, contact [Katey Anderson](#) at (208) 334-2235.

## *WATER*

**WATER QUALITY STANDARDS: MIXING ZONE POLICY** The Idaho Department of Environmental Quality (IDEQ) is proposing updates to its mixing zone policy (Mixing zones are granted to permitted National Pollutant Discharge Elimination System (NPDES) dischargers as a tool to meet applicable Clean Water Act goals in a less costly manner). The policy was codified at the Idaho Administrative Procedures Act (IDAPA) [58.01.02.060](#) and adopted in 1991. The policy defines a mixing zone as "an area or volume of the receiving water surrounding or adjacent to a wastewater discharge where the receiving water, as a result of the discharge, may not meet all applicable water quality criteria standards." IDEQ believes the 1991 mixing zone policy contains language that is outdated or no longer relevant. The

updates are intended to reflect current procedures and tools used to appraise the biological, chemical, and physical properties of the receiving water and the proposed discharge, in order to best establish mixing zones. Comments were due 24 JUL 14. For more information, contact [Mary Anne Nelson](#) at (208) 373-0173.

## ***LEGISLATIVE DEVELOPMENTS***

The [Idaho 2014 legislative session](#) began 6 JAN 14 and adjourned 20 MAR 14. For information about legislation in 2014, refer to the [April 2014](#) edition of the Review.



## ***AIR***

**AIR QUALITY PERMITTING** The Oregon Department of Environmental Quality (ODEQ) [is proposing](#) to streamline, reorganize, and update state air quality permit rules. ODEQ describes the proposed rule amendments under nine categories:

- Clarify and update air quality rules;
- Update particulate matter emission standards;
- Change permitting requirements for emergency generators and small natural gas of oil-fired equipment;
- Establish two new state air quality area designations (sustainment and reattainment) to help areas avoid and more quickly end a federal nonattainment designation;
- Designate Lakeview as a state sustainment area while retaining a federal attainment designation;
- Change the new source review preconstruction permitting program;
- Modernize methods allowed for holding public hearings and meetings;
- Re-establish the Heat Smart woodstove replacement program exemption for small commercial solid fuel boilers regulated under the permitting program; and
- Remove annual reporting requirements for small gasoline dispensing facilities.

Because ODEQ is clarifying state rules that also apply to the Lane Regional Air Protection Agency (LRAPA) (unless LRAPA adopts its own rules), ODEQ is also requesting public comment on which existing LRAPA rules are equivalent to or more strict than state rules. [Comments are due](#) 14 AUG 14. For more information, contact Maggie Vandehey at (503) 229-6878.

## ***LEGISLATIVE DEVELOPMENTS***

The [Oregon 2014 legislative session](#) began 3 FEB 14 and adjourned 7 MAR 14. For information about legislation in 2014, refer to the [April 2014](#) edition of the Review.



## ***NATURAL RESOURCES***

**STATE NOXIOUS WEED LIST** The Washington Noxious Weed Control Board [announced](#) a possible rulemaking to update the state noxious weed list and to amend its bylaws found in Chapter 16-750 Washington Administrative Code (WAC). For more information, contact [Alison Halpern](#) at (360) 902-2053.

## LEGISLATIVE DEVELOPMENTS

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

# Department of Defense Activity

## NATURAL RESOURCES

**2014 REPI AWARDS** Fort Huachuca, Arizona, and Naval Air Station (NAS) Patuxent River, Maryland, [were named](#) as winners of the 2014 Readiness and Environmental Protection Integration (REPI) Challenge, an initiative designed to promote innovative land conservation efforts that benefit military readiness, neighboring communities, and the environment. A REPI Challenge award of \$4 million for Fort Huachuca will leverage more than \$9 million in partner contributions to permanently restrict development on 5,900 acres of rangeland. "This buffer protects more than 160,000 annual air operations and reduces proliferation of electromagnetic interference for 800 square miles of air space," said REPI Program Director Kristin Thomasgard-Spence. "Protecting these lands will prevent the development of up to 1,400 new wells, ensuring availability of scarce groundwater resources for the installation, the surrounding community, and the local native grassland habitat." A REPI Challenge award of \$1 million for NAS Patuxent River will be leveraged by more than 5:1 with contributions from partners to protect 2,259 acres of forests, wetlands, and farmland, as part of a broader 8,500-acre wildlife corridor area, Thomasgard-Spence said. "The project helps reduce noise and safety concerns, and prevents costly restrictions and delays to training and testing."

## SUSTAINABILITY

**DoD GUIDANCE: SUSTAINABILITY IN ACQUISITIONS** In May 2014, DoD released [draft version 2.0 guidance](#) for integrating sustainability into DoD acquisitions. The document provides guidance on how to complete a sustainability analysis and how to use the results to inform decisions. For more information, visit the [DENIX website](#).

# Federal Activity

## AIR

**LANDFILL EMISSIONS REDUCTIONS** The Environmental Protection Agency (EPA) is seeking input from the public on methods to reduce emissions from existing municipal solid waste (MSW) landfills ([79 FR 41771](#)). MSW landfill emissions are commonly referred to as landfill gas. Landfill gases typically contain carbon dioxide (CO<sub>2</sub>), methane, and nonmethane organic compounds. Some existing landfills are currently subject to control requirements under the landfill new source performance standards (NSPS) or federal or state plans implementing landfill emission guidelines. EPA believes that these guidelines merit review to determine the potential for additional reductions in emissions of landfill gas. Comments are due 15 SEP 14. For more information, contact [Hillary Ward](#) at (919) 541-3154.

**STANDARDS OF PERFORMANCE FOR MSW LANDFILLS** EPA is proposing to update the standards of performance for MSW landfills by adding new subpart XXX to Title 40 Code of Federal Regulation (CFR) Part 60 ([79 FR 41795](#)). The standard applies to landfills that commence construction, reconstruction, or modification after 17 JUL 14. The proposed standards reflect changes to the population of landfills and an analysis of the timing and methods for reducing emissions. The proposed standards also address other regulatory issues including the definition of landfill gas

treatment systems, among other topics. The new subpart is intended to reduce emissions of landfill gas. Comments are due 15 SEP 14. For more information, contact [Hillary Ward](#) at (919) 541-3154.

**NESHAP FOR OFF-SITE WASTE AND RECOVERY OPERATIONS** EPA is proposing amendments to national emission standards for hazardous air pollutants (NESHAP) for off-site waste and recovery operations (OSWRO) ([79 FR 37849](#)). The agency is proposing to amend leak detection and repair requirements for certain tanks; revise regulatory provisions pertaining to emissions during startup, shutdown, and malfunction; add electronic reporting requirements; revise routine maintenance provisions; make clarifications; and add monitoring requirements. The OSWRO source category was initially titled the Solid Waste Treatment, Storage, and Disposal Facilities (TSDF) source category, which included commercial facilities that treat, store or dispose of any solid waste received from off-site, as well as commercial facilities that recycle, recover, and re-refine wastes received from off-site. It was renamed to better distinguish this source category from other source categories and to emphasize that this source category addresses only activities that manage wastes received from off-site sources. Comments are due 18 AUG 14. For more information, contact [Paula Hirtz](#) at (919) 541-2618.

**OZONE-DEPLETING SUBSTANCES: ACCEPTABLE SUBSTITUTES** EPA is proposing to list a number of flammable refrigerants as acceptable substitutes (subject to use conditions) for ozone-depleting substances in several end uses ([79 FR 38811](#)). The end uses are household refrigerators and freezers, stand-alone commercial refrigerators and freezers, very low temperature refrigeration, non-mechanical heat transfer, vending machines, and room air conditioning units. In addition, the agency is proposing to exempt the substitutes subject to this rulemaking from the prohibition on venting, release, or disposal. Comments are due 8 SEP 14. For more information, contact [Margaret Sheppard](#) at (202) 343-9163.

**ALASKA SIP** EPA is proposing to approve the Alaska State Implementation Plan (SIP) as meeting the 1997 and 2006 fine particulate (PM<sub>2.5</sub>) national ambient air quality standards (NAAQS) and the 2008 ozone NAAQS ([79 FR 41496](#)). Comments are due 15 AUG 14. For more information, contact [Kristin Hall](#) at (206) 553-6357.

**IDAHO SIP** EPA found that the Idaho SIP meets the infrastructure requirements for the 1997 and 2006 PM<sub>2.5</sub> and the 2008 ozone NAAQS ([79 FR 40662](#)). The EPA also found that the Idaho SIP meets the interstate transport requirements related to prevention of significant deterioration (PSD) and visibility for the 2006 PM<sub>2.5</sub> and 2008 ozone NAAQS. The finding was made 13 AUG 14. For more information, contact [Kristin Hall](#) at (206) 553-6357.

**WASHINGTON SIP** EPA is proposing to approve revisions to the Washington SIP ([79 FR 39351](#)). The revisions update the general air quality regulations that apply to sources under jurisdiction of the Washington Department of Ecology (WADOE), including the minor new source review (NSR) permitting program. While the revisions submitted by WADOE also include regulations covering the major source Prevention of Significant Deterioration (PSD) and the major nonattainment NSR permitting programs, EPA is addressing those regulations in separate actions. Comments were due 11 AUG 14. For more information, contact [Donna Deneen](#) at (206) 553-6706.

**WASHINGTON SIP: NONATTAINMENT NEW SOURCE REVIEW** EPA is proposing to approve revisions to the Washington SIP that update the preconstruction permitting regulations for large industrial (major source) facilities located in designated nonattainment areas ([79 FR 43345](#)). The most significant change is the incorporation of regulations to implement major nonattainment NSR for PM<sub>2.5</sub>. Comments are due 25 AUG 14. For more information, contact [Donna Deneen](#) at (206) 553-6706.

## ***CLIMATE CHANGE***

**CLIMATE CHANGE ADAPTATION** EPA issued a [policy statement on climate change adaptation](#) that directs staff to implement seven actions:

- Modernize EPA financial assistance programs to encourage climate-resilient investments;
- Provide information, tools, training, and technical support for climate-change preparedness;

- Implement priority actions identified in the EPA’s Climate Change Adaptation Plan and the Implementation Plans;
- Focus on the most vulnerable people and places;
- Measure and evaluate performance;
- Continue agency planning for climate change related risk; and
- Coordinate with other federal agencies.

**GHG REPORTING PROGRAM: ADDITION OF GLOBAL WARMING POTENTIALS** EPA is proposing to add chemical-specific and default global warming potentials (GWPs) for a number of fluorinated greenhouse gases (GHGs) and fluorinated heat transfer fluids to the general provisions of the GHG reporting rule ([79 FR 44332](#)). Currently, these fluorinated GHGs and fluorinated heat transfer fluids are not assigned GWPs under the rule. The proposed changes would increase the completeness and accuracy of the CO<sub>2</sub>-equivalent (CO<sub>2</sub>e) emissions calculated and reported by suppliers and emitters of fluorinated GHGs and fluorinated heat transfer fluids. In addition, the EPA is proposing conforming changes to the provisions for the Electronics Manufacturing and Fluorinated Gas Production source categories. Comments are due 2 SEP 14. For more information, contact [Carole Cook](#) at (202) 343-9263.

**OPPORTUNITIES TO REDUCE FISCAL EXPOSURE FROM CLIMATE CHANGE AND EXTREME WEATHER** The Government Accountability Office (GAO) released testimony to the Senate Committee on the Budget regarding opportunities to reduce federal fiscal exposures through greater resilience to climate change and extreme weather ([GAO-14-504T](#)). GAO’s primary finding was that climate change and related extreme weather impacts on infrastructure and federal lands increase fiscal exposures that the federal budget does not fully reflect. According to GAO testimony, implementing resilience measures creates additional up-front costs but may also reduce future damages.

## ***SUSTAINABILITY***

**GREEN INFRASTRUCTURE COLLABORATIVE** EPA announced a [Green Infrastructure Collaborative](#) with the support of six other government agencies, including DoD. EPA joined with the Departments of Transportation, Housing and Urban Development, Agriculture, Interior, Energy, and Defense to release a [Federal Letter of Support](#) for green infrastructure. The letter specifies agency commitments. DoD commitments include:

- Removing site building pads for all demolition projects that are not for replacement structures (to further increase pervious surfaces);
- Updating the Unified Facilities Criteria on Landscape Architecture (3-201-02), to clarify guidance on green infrastructure;
- Developing guidance on operation and maintenance of green infrastructure on military bases; and
- Providing training and awareness on green infrastructure tools and implementation.

EPA also launched a new [green infrastructure website](#) to demonstrate how green infrastructure can be used as an important tool for building community resilience to climate change impacts such as increased heavy rainfall and heat island effect, including an infographic and fact sheet.

**3D ELEVATION PROGRAM PARTNERSHIP** The U.S. Geological Survey (USGS) and other federal agencies launched a 3-dimensional elevation program ([3DEP](#)) partnership designed to bring federal agencies, academia, states, tribes, and communities together to develop advanced 3-dimensional mapping data of the United States. These data and related tools will be used in the areas of flood risk management, water resource planning, mitigation of coastal erosion and storm surge impacts, and identification of landslide hazards as an essential component of supporting action on climate resilience. This effort is an advancement of existing USGS elevation data products and services via the [National Elevation Dataset](#) (NED). NED activities will continue until a full transition to 3DEP is completed. In addition, USGS issued an announcement on how to partner with USGS and other federal agencies to acquire high quality 3D data. For more information, including fact sheets, announcements, and examples of 3DEP applications, visit the [3DEP website](#).

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

**DRAFT POLICY: CREDITING CONSERVATION MEASURES TAKEN PRIOR TO LISTING** FWS is seeking public comment on its draft policy of crediting voluntary conservation actions taken for species prior to their listing under ESA ([79 FR 42525](#)). The proposed policy seeks to give landowners, government agencies, and others incentives to carry out voluntary conservation actions for species before they are listed to mitigate (or to serve as a compensatory measure) for the detrimental effects of another action undertaken after listing. Under the proposal, the credit earned by undertaking a prelisting conservation action can be transferred to another party, under certain conditions. Comments are due 22 SEP 14. For more information, contact Jim Serfis at (703) 358-2171 or visit the [rulemaking docket](#) (R9-ES-2011-0099).

**THREATENED AND ENDANGERED SPECIES LIST UPDATE** FWS updated the list of threatened and endangered species published at [50 CFR 17.11\(h\)](#) ([79 FR 42687](#)). The amendments are based on previously published determinations by NMFS, which has jurisdiction for these species. FWS, which has responsibility for maintaining the list, added several marine taxa, removed one species, and revised the entries of many more, based on NMFS final determinations. The final rule was effective 23 JUL 14. For more information, contact Michael Franz at (703) 358-2171.

**UPPER COLUMBIA RIVER SPRING-RUN CHINOOK SALMON** NMFS designated and authorized the release of a nonessential experimental population (NEP) of Upper Columbia River spring-run [Chinook salmon](#) (*Oncorhynchus tshawytscha*) in the Okanogan River subbasin in Washington ([79 FR 40004](#)). The geographic boundary for the NEP is the main stem and all tributaries of the Okanogan River between the Canada-United States border and to the confluence of the Okanogan River with the Columbia River, Washington. The final rule was effective 11 AUG 14. For more information, contact Scott Rumsey at (503) 872-2791.

**HUMPBACK WHALE** NMFS extended the public comment period on its 26 JUN 14 proposal to designate the Central North Pacific population of [humpback whale](#) (*Megaptera novaeangliae*) as a DPS and to delist the DPS ([79 FR 40054](#)). Comments are due 27 AUG 14. For more information, contact Aleria Jensen at (907) 586-7638.

## ***TOXICS***

**LEAD BASED PAINT HAZARDS** EPA submitted an information collection request to the Office of Management and Budget (OMB) for a "Survey of the Public and Commercial Building Industry" to evaluate whether and what type of regulatory action might be appropriate to control exposures to lead dust resulting from renovation, repair, and painting (RRP) activities ([79 FR 44168](#)). Information from the survey will be used to determine the need for and scope of potential regulatory or other actions to reduce exposures to lead dust from RRP activities in public and commercial buildings. For more information, contact [Judith Brown](#) at (202) 564-3218.

**HAZMAT TRANSPORT: RADIOACTIVE MATERIALS** The Pipeline and Hazardous Materials Safety Administration (PHMSA), in coordination with the Nuclear Regulatory Commission (NRC), is making harmonizing amendments to its regulations for the transport of Class 7 (radioactive) materials ([79 FR 40598](#)). The amendments align definitions with those found in the International Atomic Energy Agency (IAEA) publication [TS-R-1](#). PHMSA is also including more detailed language describing information required to be included as part of the Type A package documentation. The final rules are effective 1 OCT 14. For more information, contact Steven Webb at (202) 366-8553.

**HAZMAT TRANSPORT: BULK EXPLOSIVES** PHMSA is proposing to amend the Hazardous Materials Regulations by establishing standards for the safe transportation of bulk explosives ([79 FR 41185](#)). The proposed rule would authorize the transportation of certain explosives, ammonium nitrates, ammonium nitrate emulsions, and other specific hazardous materials in bulk packaging that are not otherwise authorized under the regulations. Comments are due 15 SEP 14. For more information, contact Matthew Nickels at (202) 366-8553.

## **WATER**

**HARMFUL ALGAL BLOOM AND HYPOXIA RESEARCH AND CONTROL AMENDMENTS ACT OF 2014** The [Harmful Algal Bloom and Hypoxia Research and Control Amendments Act of 2014](#), Public Law No: 113-124, has been enacted. The act strengthens the Harmful Algal Bloom and Hypoxia Research and Control Act of 1998, codified at [Title 16, United States Code \(USC\), Section 1451](#). The National Oceanic and Atmospheric Administration (NOAA) has primary responsibility for administering the program. The amendments require NOAA to develop a comprehensive research plan and action strategy to address marine and freshwater harmful algal blooms and hypoxia. Two years after publication of the action strategy, NOAA will prepare a report to Congress on activities and progress.

**GAO REPORT ON EPA UIC PROGRAM AND DISPOSAL OF HYDRAULIC FRACTURING FLUIDS** The Government Accountability Office (GAO) was asked to review EPA's oversight of the class II underground injection control (UIC) program ([GAO 14-555](#)). As part of this effort, GAO reviewed eight state programs (39 states have EPA-approved class II injection well programs). GAO estimates that daily, at least two billion gallons of fluid are injected into 172,000 wells to enhance oil recovery and to dispose of fluids brought to the surface. Because much of the population of the U.S. relies on underground sources for drinking water, these wells have raised concerns about the safety of the nation's drinking water. GAO recommends that, among other things, EPA review emerging risks related to class II UIC program safeguards and ensure that it can effectively oversee and efficiently enforce class II UIC requirements. For more information, contact [Jose Gómez](#) at (202) 512-3841.

**ELECTRONIC NPDES REPORTING IN IDAHO** EPA approved Idaho's request to revise its NPDES program to allow electronic reporting. The final approval was effective 2 JUL 14. For more information, contact [Karen Seeh](#) at (202) 566-1175.

## ***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 FY15 PROSPECT (i.e., Proponent-Sponsored Engineer Corps Training) program. Please see the [Course Catalog](#) 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** 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.

### ***Online Training***

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

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

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

- [Federal Guiding Principles Checklist](#) – This webcast will teach federal energy and sustainability professionals how to use the ENERGY STAR® measurement and tracking tool, Portfolio Manager, to help ensure compliance with the Guiding Principles for High Performance Sustainable Buildings required by Executive Orders 13423 and 13514. The focus is on the Guiding Principles for Sustainable Existing Buildings.
- [Portfolio Manager 101](#) – This webcast demonstrates the core functionality of EPA's new Energy Star Portfolio Manager tool. Attendees will learn to navigate the new Portfolio Manager, add a property and enter details, enter energy and water consumption data, share properties, generate performance reports to assess progress, and respond to data requests.

- **Portfolio Manager 201** – This webcast will explore advanced functionalities of EPA’s Energy Star Portfolio Manager tool, including managing and tracking changes to property uses over time; using spreadsheet templates to update property data; setting goals and targets to plan energy improvements for properties; generating and using custom reports; and using the Sustainable Buildings Checklist.

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

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

**WATER’S IMPACT ON THE ENERGY SECTOR** This 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.

**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, 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.

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

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

**AREA SOURCE BOILER RULE VIDEO SERIES** 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.

**FOG PREVENTION TRAINING FOR RURAL COMMUNITIES IN THE PACIFIC NORTHWEST.** The Pacific Northwest Pollution Prevention Resource Center (PPRC) is providing one day workshops for rural communities in Idaho, Oregon, and Washington to reduce the harmful impacts of fats, oils, and grease (FOG) in sewers. For information about remaining workshop locations, dates, and times, contact the [Pacific Northwest Pollution Prevention Resource Center](#).

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

**PRELIMINARY ASSESSMENT AND SITE INSPECTION (PA/SI) WEBINAR SERIES** The CERCLA Education Center (CEC) is offering archived versions 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.

**\*14 OCT 14. PREDICTING CLIMATE CHANGE IMPACTS ON RIVER ECOSYSTEMS AND SALMONIDS ACROSS THE PACIFIC NORTHWEST** Understanding how climate change will influence the abundance, distribution, genetic diversity, and value of native salmonid fish species is crucial for their management and recovery. This project will use modeling techniques to study how climate change might affect freshwater habitats of key trout and salmon species throughout the Pacific Northwest. The goal of the study is to develop and provide novel tools that will help managers predict and respond to potential climate change-induced impacts on habitats, populations, and economies.

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

## *How the Regional Offices Work for You*

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

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

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

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

## *Staff Directory*

### **Mark Mahoney**

Director /DoD REC Region 8  
(303) 844-0956

[mark.a.mahoney.civ@mail.mil](mailto:mark.a.mahoney.civ@mail.mil)

### **Kevin Ward**

Regional Counsel  
(303) 844-0955

[kevin.m.ward40.civ@mail.mil](mailto:kevin.m.ward40.civ@mail.mil)

### **Park Haney**

Deputy Director  
(303) 844-0957

[reed.p.haney.civ@mail.mil](mailto:reed.p.haney.civ@mail.mil)

### **Julia Miller**

Region 8 Program Coordinator (Marstel-Day, LLC)  
(303) 844-0952

[julia.c.miller16.ctr@mail.mil](mailto:julia.c.miller16.ctr@mail.mil)

### **Tim Kilgannon**

Army Coordinator Region 9  
(303) 844-0953

[timothy.r.kilgannon.civ@mail.mil](mailto:timothy.r.kilgannon.civ@mail.mil)

### **Park Haney**

Acting Army Coordinator Region 10  
(303) 844-0957

[reed.p.haney.civ@mail.mil](mailto:reed.p.haney.civ@mail.mil)

### **Adriane Miller**

Project Manager (Plexus Scientific Corporation)  
(410) 278-6137

[adriane.b.miller2.ctr@mail.mil](mailto:adriane.b.miller2.ctr@mail.mil)

### **Nancy Reese**

Regulatory Affairs Specialist (Marstel-Day, LLC)  
(303) 844-0954

[nancy.l.reese2.ctr@mail.mil](mailto:nancy.l.reese2.ctr@mail.mil)

### **Additional Multi-Service Contacts**

#### **Robert Shirley**

DoD/Air Force REC Region 10  
(415) 977-8846

[robert.shirley.2@us.af.mil](mailto:robert.shirley.2@us.af.mil)

#### **Clark Pitchford**

Navy REC Region 10  
(360) 315-5440

[clark.pitchford@navy.mil](mailto:clark.pitchford@navy.mil)

#### **Jack Hug**

Coast Guard Pacific Area  
(510) 437-2747

[Jack.p.hug@uscg.mil](mailto:Jack.p.hug@uscg.mil)

# Acronyms

<b>ADEC</b>	Alaska Department of Environmental Conservation
<b>ADFG</b>	Alaska Department of Fish and Game
<b>ADNR</b>	Alaska Department of Natural Resources
<b>ACHP</b>	Advisory Council on Historic Preservation
<b>ACUB</b>	Army Compatible Use Buffer
<b>ATSDR</b>	Agency for Toxic Substances and Disease Registry
<b>BACT</b>	best available control technology
<b>BART</b>	best available retro-fit technology
<b>BLM</b>	Bureau of Land Management
<b>BTU</b>	British thermal unit
<b>CAA</b>	Clean Air Act
<b>CAFE</b>	corporate average fuel economy
<b>CERCLA</b>	Comprehensive Environmental Response, Compensation, and Liability Act
<b>CEQ</b>	Council on Environmental Quality
<b>CFR</b>	Code of Federal Regulation
<b>CH4</b>	methane
<b>CNOR</b>	candidate notice of review
<b>CO<sub>2</sub></b>	carbon dioxide
<b>CO<sub>2</sub>e</b>	carbon dioxide equivalent
<b>COE</b>	Corps of Engineers
<b>CrVI</b>	hexavalent chromium
<b>CTED</b>	Washington Department of Community, Trade, & Economic Development
<b>CWA</b>	Clean Water Act
<b>CX</b>	categorical exclusion
<b>DA</b>	Department of Agriculture
<b>DO</b>	dissolved oxygen
<b>DoD</b>	Department of Defense
<b>DOE</b>	Department of Energy
<b>DOI</b>	Department of Interior
<b>DOT</b>	United States Department of Transportation
<b>DPS</b>	distinct population segment
<b>EA</b>	environmental assessment
<b>ECA</b>	emission control area
<b>ECF</b>	emission comparable fuel
<b>EIO</b>	Energy Initiatives Office
<b>EIS</b>	environmental impact statement
<b>EO</b>	Executive Order
<b>EPA</b>	Environmental Protection Agency
<b>ESA</b>	Endangered Species Act of 1973
<b>ESTCP</b>	Environmental Security Technology Certification Program
<b>FERC</b>	Federal Energy Regulatory Commission
<b>FIFRA</b>	Federal Insecticide, Fungicide, and Rodenticide Act
<b>FONSI</b>	finding of no significant impact
<b>FS</b>	Forest Service
<b>FWS</b>	Fish and Wildlife Service
<b>FY</b>	fiscal year

<b>GAO</b>	Government Accountability Office
<b>GHG</b>	greenhouse gas
<b>GRP</b>	geographic response plan
<b>GSA</b>	General Service Administration
<b>HCFC</b>	hydrochlorofluorocarbon
<b>HFC</b>	hydrofluorocarbon
<b>HFE</b>	hydrofluorinated ethers
<b>IDAPA</b>	Idaho Administrative Procedures Act
<b>IDEQ</b>	Idaho Department of Environmental Quality
<b>INRMP</b>	integrated natural resource management plan
<b>ISEERB</b>	Interservice Environmental Education Review Board
<b>ITRC</b>	Interstate Technology and Regulatory Council
<b>JLUS</b>	Joint Land Use Study
<b>LBP</b>	lead-based paint
<b>LEED</b>	Leadership in Energy and Environmental Design
<b>LID</b>	Low-Impact Development
<b>LOSS</b>	large on-site sewage system
<b>LT2</b>	long term 2
<b>MACT</b>	maximum achievable control technology
<b>MCL</b>	maximum contaminant level
<b>MCLG</b>	maximum contaminant level goal
<b>MERIT</b>	Materials of Evolving Regulatory Interest Team
<b>MOU</b>	memorandum of understanding
<b>MPA</b>	marine protected area
<b>MS4</b>	municipal separate storm sewer system
<b>MSGP</b>	multi-sector general permit
<b>N<sub>2</sub>O</b>	nitrous oxide
<b>NAAQS</b>	National Ambient Air Quality Standards
<b>NCSL</b>	National Conference of State Legislatures
<b>NEPA</b>	National Environmental Policy Act
<b>NESHAP</b>	National Emission Standards for Hazardous Air Pollutants
<b>NF<sub>3</sub></b>	nitrogen trifluoride
<b>NHTSA</b>	National Highway Traffic Safety Administration
<b>NIST</b>	National Institute of Standards and Technology
<b>NMFS</b>	National Marine Fisheries Service
<b>NOAA</b>	National Oceanic and Atmospheric Administration
<b>NO<sub>2</sub></b>	nitrogen dioxide
<b>NO<sub>x</sub></b>	nitrogen oxides
<b>NPDES</b>	National Pollutant Discharge Elimination System
<b>NRC</b>	Nuclear Regulatory Commission
<b>NSPS</b>	New Source Performance Standard
<b>NSR</b>	New Source Review
<b>OAR</b>	Oregon Administrative Rules
<b>ODA</b>	Oregon Department of Agriculture
<b>ODEQ</b>	Oregon Department of Environmental Quality
<b>OEQC</b>	Oregon Environmental Quality Commission
<b>OMB</b>	Office of Management and Budget
<b>ORCR</b>	Office of Resource Conservation and Recovery
<b>P2</b>	pollution prevention
<b>PBDE</b>	polybrominated diphenyl ethers

<b>PFC</b>	perfluorocarbons
<b>PFOA</b>	perfluorooctanoic acid
<b>PFOS</b>	perfluorooctane sulfonic acid
<b>PHMSA</b>	Pipeline and Hazardous Materials Safety Administration
<b>PM</b>	particulate matter
<b>PM2.5</b>	particulate matter 2.5 microns in diameter or less
<b>PM10</b>	particulate matter 10 microns in diameter or less
<b>POPs</b>	persistent organic pollutants
<b>ppb</b>	parts per billion
<b>PSD</b>	Prevention of Significant Deterioration
<b>PWS</b>	public water system
<b>RCRA</b>	Resource Conservation and Recovery Act
<b>REEO-W</b>	Regional Environmental and Energy Office - Western
<b>RoC</b>	Report on Carcinogens
<b>RoHS</b>	European Union's Restriction of Hazardous Substances
<b>RRP</b>	Renovation, Repair, and Painting
<b>SERDP</b>	Strategic Environmental Research and Development Program
<b>SI</b>	spark-ignition
<b>SIP</b>	State Implementation Plan
<b>SMP</b>	Shoreline Management Plan
<b>SNAP</b>	significant new alternatives policy
<b>SNUR</b>	significant new use rule
<b>SO<sub>2</sub></b>	sulfur dioxide
<b>SO<sub>x</sub></b>	sulfur oxides
<b>SPCC</b>	spill prevention, control, and countermeasures
<b>TAC</b>	toxic air pollutant
<b>TiO<sub>2</sub></b>	titanium dioxide
<b>TMDL</b>	total maximum daily load
<b>tpy</b>	tons per year
<b>TRI</b>	Toxics Release Inventory
<b>TSCA</b>	Toxic Substance Control Act
<b>UFC</b>	Unified Facilities Criteria
<b>ug/m<sup>3</sup></b>	micrograms per cubic meter
<b>U.S.</b>	United States
<b>USACE</b>	United States Army Corps of Engineers
<b>USAEC</b>	United States Army Environmental Command
<b>USGS</b>	United States Geological Survey
<b>UST</b>	underground storage tank
<b>USTCA</b>	Underground Storage Tank Compliance Act
<b>VOC</b>	volatile organic compound
<b>WAC</b>	Washington Administrative Code
<b>WCI</b>	Western Climate Initiative
<b>WEFSEC</b>	Washington Energy Facility Site Evaluation Council
<b>WDC</b>	Washington Department of Commerce
<b>WDOE</b>	Washington Department of Ecology
<b>WDOH</b>	Washington Department of Health
<b>WGA</b>	Western Governors' Association
<b>WPCF</b>	Water Pollution Control Facility
<b>WRAP</b>	Western Regional Air Partnership