



U.S. ARMY

# Western Review of Legislative & Regulatory Actions Region 8



The U.S. Army Regional Environmental & Energy Office

July 2013

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



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## Climate Action Plan

On June 25, President Obama presented his [Climate Action Plan](#), a blueprint for national and international action to slow the effects of climate change. The plan identifies actions to be taken in [three broad categories](#): cut carbon emissions, prepare for climate change, and lead international efforts to address climate change.

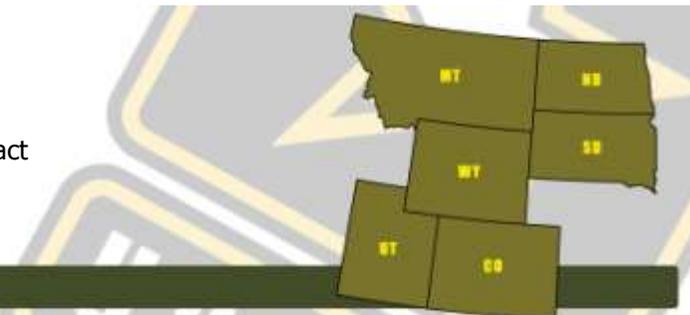
Cut carbon emissions: The President’s plan relies on the Environmental Protection Agency (EPA) to [regulate carbon emissions from new and modified power plants](#), curb hydrofluorocarbon (HFC) emissions, and work with other federal agencies to curb methane emissions. The plan mandates increases in renewable energy production on public lands, addresses [improvements to the electric grid](#), lays a path to increase building and appliance energy efficiency, commits the government to partner with industry to develop fuel economy standards for heavy-duty vehicles, and provides new loan guarantees for a wide array of advanced fuel innovative technologies.

Prepare for climate change: President Obama is calling for the U.S. to prepare for the impacts of climate change. Obama’s plan directs federal agencies to support local climate-resilient investment by removing counter-productive policies and modernizing programs, piloting innovative strategies to strengthen communities against extreme weather and other climate impacts, and launching an effort to create sustainable and resilient hospitals through a public-private partnership with the healthcare industry. The President proposes to leverage the power of information to maintain agricultural productivity and increase preparedness by delivering science-based knowledge to farmers, ranchers, and landowners; providing a “toolkit” of climate change tools and information; and launching a National Drought Resilience Partnership and a new climate data initiative.

Lead international efforts: The plan calls on the U.S. to expand new and existing international initiatives and restrict U.S. financing of overseas coal-fired power plants.

# Region 8

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



## **AIR**

**NESHAP** The Colorado Department of Public Health and Environment (CDPHE) [adopted amendments](#) to [Regulation Number 8](#) Parts A and E, incorporating by reference new and amended federal National Emission Standards for Hazardous Air Pollutants (NESHAP) in full. The [final rule](#) is effective 15 JUL 13. For more information, contact [Leah Martland](#) at (303) 692-6269.

**NSPS** CDPHE [adopted amendments](#) to [Regulation Number 6](#), Part A, incorporating by reference new and amended federal New Source Performance Standards (NSPS) in full. The [final rule](#) is effective 15 JUL 13. For more information, contact [Leah Martland](#) at (303) 692-6269.

**DIESEL FLEET SELF-CERTIFICATION PROGRAM** CDPHE [is proposing](#) revisions to [Regulation Number 12](#), Part A (Diesel Fleet Self-Certification Program). The revisions are in response to [House Bill 13-1091](#) that addresses opacity standards for diesel fleets. The bill authorizes the Colorado Air Quality Control Commission to promulgate rules to allow, and to determine eligibility for, an alternative method for demonstrating compliance with opacity standards in which diesel fleet self certification owner participants follow and submit proof of exemplary maintenance practices, in lieu of opacity testing. A [public hearing](#) is scheduled for 15 AUG 13. For more information, contact [Theresa Martin](#).

## **ENERGY**

**RENEWABLE ENERGY** Governor John Hickenlooper issued Executive Order (EO) [B 2013-004](#) creating an advisory committee to aid implementation of Senate Bill (SB) [252](#) (2013), which requires rural energy cooperatives to obtain 20% of their power from renewable sources by 2020. The advisory committee is tasked to address cost and feasibility concerns associated with SB 252.

## **WASTE**

**METHODS INNOVATION RULE & SW-846** CDPHE [adopted amendments](#) to its hazardous waste management rules that reference the federal Methods Innovation Rule (MIR) and SW-846 Final Update IIIB Final rule (Test Methods for Evaluating Solid Waste) published in the Federal Register [14 JUN 05](#). This action updates and reforms testing and monitoring requirements to provide increased flexibility in method selection and use. The [final rule](#) is effective 15 JUL 13. For more information, contact [Brandy Valdez Murphy](#) at (303) 692-3467.

**LDR: CARBAMATES** CDPHE [adopted amendments](#) to revise the land disposal restrictions (LDR) treatment standards for hazardous wastes from the production of carbamates and carbamate products, off-specification or manufacturing chemical intermediates, and container residues of these materials that become hazardous wastes when they are discarded or intended to be discarded. This rulemaking applies to hazardous waste generators and to treatment, storage and disposal facilities (TSDFs) managing EPA waste codes: K156, K157, K158, K159, K161, P127, P128, P185,

P188, P189, P190, P191, P192, P194, P196, P197, P198, P199, P201, P202, P203, P204, P205, U271, U278, U279, U280, U364, U367, U372, U373, U387, U389, U394, U395, U404, U409, U410, and U411. This rulemaking also applies to generators and TSDFs of ignitable, corrosive, reactive and toxic hazardous wastes that are reasonably expected to contain carbamate constituents as underlying hazardous constituents at the point of the waste's generation. The [final rule](#) is effective 15 JUL 13. For more information, contact [Brandy Valdez Murphy](#) at (303) 692-3467.

## **WATER**

**RECLAIMED WATER** CDPHE [adopted amendments](#) to [Regulation 84](#) (Reclaimed Domestic Wastewater Control). The amendments modify terms and address evaporative and non-evaporative industrial processes, washwater applications, commercial laundries, and vehicle washing. The [final rule](#) is effective 30 JUL 13. For more information, contact [Nathan Moore](#) at (303) 692-3555.

## **LEGISLATIVE DEVELOPMENTS**

The [Colorado 2013 legislative session](#) began 9 JAN 13 and adjourned 8 MAY 13.

<i>Colorado Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
<b>AIR/CLIMATE CHANGE</b>				
<a href="#">HB 1091</a> <i>Representative Dave Young (D)</i> Proposes to authorize the Air Quality Control Commission to allow fleet owners to use an alternate method for demonstrating compliance with opacity standards.	✓	✓	✓	Signed by Governor
<a href="#">HB 1128</a> <i>Representative Lori Saine (R)</i> Proposes to allow a board of county commissioners to exclude any or all parts of the county from the enhanced motor vehicle emissions program area if the excluded part of the county does not violate air quality standards for carbon monoxide or ozone.	✓			Failed crossover deadline
<a href="#">HB 1293</a> <i>Representative Paul Rosenthal (D)</i> Proposes to direct the Governor to establish a position for climate change issues. Requires the appointee to develop climate action plans and report to the general assembly regarding how climate change affects the state.	✓	✓	✓	Signed by Governor
<a href="#">SB 252</a> <i>Senator John P. Morse (D)</i> Proposes to raise the percentage of retail electricity sales that must be achieved from eligible energy resources by cooperative electric associations that provide service to 100,000 meters or more from 10% to 25%, starting in 2020. Increases the allowable retail rate impact for cooperative electric associations.	✓	✓	✓	Signed by Governor
<b>ENERGY</b>				
<a href="#">HB 1110</a> <i>Representative Randy Fischer (D)</i> Proposes to lower the special fuel tax rates for compressed natural gas, liquefied natural gas, and liquefied petroleum gas, and to repeal the annual fee that is charged in lieu of the special fuel tax and the related decal system. Requires registration of plug-in electric vehicles.	✓	✓	✓	Signed by Governor
<a href="#">SB 63</a> <i>Senator Kevin Grantham (R)</i> Proposes to address recycled energy (gas derived from waste) with regard to renewable energy standards and synthetic gas.	✓			Failed crossover deadline

<i>Colorado Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
<b>LAND USE</b>				
<b>SB 37</b> <i>Senator Larry Crowder (R)</i> Proposes to create the Pinon Canyon Maneuver Site Land Purchase Authority. Establishes its composition, management processes, responsibilities, and authorities; and its reporting and recordkeeping requirements.	✓			Failed crossover deadline
<b>NATURAL RESOURCES</b>				
<b>SB 83</b> <i>Senator Ellen Roberts (R)</i> Proposes to create the Colorado Prescribed Burning Act. The act directs the Division of Natural Resources to promulgate rules for prescribed burning.	✓	✓	✓	Signed by Governor
<b>SB 169</b> <i>Senator Larry Crowder (R)</i> Proposes to authorize the reintroduction of black-footed ferrets in Colorado pursuant to programmatic safe harbor agreements and enhancement-of-survival permits without further legislative approval.	✓	✓	✓	Signed by Governor
<b>OTHER</b>				
<b>WASTE</b>				
<b>SB 50</b> <i>Senator Nancy J. Todd (D)</i> Proposes to establish the Recycling Resources Economic Opportunity Fund. Specifies that fund monies be generated from fees on commercial disposal vehicles.	✓	✓	✓	Signed by Governor
<b>SB 57</b> <i>Senator Steve King (R)</i> Proposes to divest the CDPHE of the authority to review plans associated with solid waste facility design.	✓			Failed crossover deadline
<b>WATER</b>				
<b>HB 1044</b> <i>Representative Randy Fischer (D)</i> Proposes to permit graywater to be used in accordance with terms and conditions of decrees or permits. Authorizes local authority discretion to authorize graywater use.	✓			Failed crossover deadline
<b>HB 1130</b> <i>Representative Jerry Sonnenberg (R)</i> Proposes to allow the state engineer to extend an original agreement for operation of an interruptible water supply.	✓	✓	✓	Signed by Governor
<b>HB 1252</b> <i>Representative Millie Hamner (D)</i> Proposes to create the Petroleum Cleanup and Redevelopment Fund. Specifies how fund monies can be spent.	✓	✓	✓	Signed by Governor
<b>SB 19</b> <i>Senator Gail S. Schwartz (D)</i> Proposes to direct the water judge, in determining historical consumptive use, to disregard a decrease in water use due to participation in specified government-sponsored conservation programs. Adds to the list a decrease in water use to provide for compact compliance.	✓	✓	✓	Signed by Governor
<b>SB 41</b> <i>Senator Mary Hodge (D)</i> Proposes to reverse certain Colorado Supreme Court holdings concerning flood control, fire or drought protection, beneficial use, and water rights.	✓	✓	✓	Signed by Governor

<i>Colorado Bill Number, Sponsor, and Description</i>	<i>Bill Introduced</i>	<i>Passed 1st House</i>	<i>Passed 2nd House</i>	<i>Status</i>
<b>SB 72</b> <i>Senator Mary Hodge (D)</i> Proposes to delete a requirement for a final permit for all wells withdrawing designated ground water from the Denver basin aquifers.	✓	✓	✓	Signed by Governor
<b>SB 74</b> <i>Senator Mary Hodge (D)</i> Proposes to create a mechanism to determine the acreage for an irrigation water right for which the original decree predates 1937 and is unclear about the amount of acreage that may be irrigated under the water right.	✓	✓	✓	Signed by Governor
<b>SB 75</b> <i>Senator Greg Brophy (R)</i> Proposes to specify that once the state engineer issues a final permit for the withdrawal of designated ground water, the engineer cannot reduce the withdraw amount to promote conservation of water.	✓	✓	✓	Signed by Governor
<b>SB 78</b> <i>Senator Angela Giron (D)</i> Proposes to provide a process for a water right holder to address erroneous recordkeeping associated with points of water diversion.	✓	✓	✓	Signed by Governor



**INCORPORATION BY REFERENCE: AIR, WATER, AND WASTE RULES** The Montana Department of Environmental Quality (MDEQ) [adopted amendments](#) that incorporate by reference the version of the Code of Federal Regulations (CFR) published as of 1 JUL 12. In general, this action incorporates 40 CFR 60, 61, 124, 260-268, 270, 273, and 279. This action does not incorporate the final rules published 30 OCT 08 ([73 FR 64668](#)) titled "Revisions to the Definition of Solid Waste" because they have been challenged in court and are under revision. The incorporation by reference process is accomplished by amending the CFR publication date specified in the Administrative Rules of Montana (ARM) [17.53.105\(3\)](#). The [final amendments](#), adopted as proposed, were effective 7 JUN 13. For more information, contact [Elois Johnson](#) at (406) 444-2630.

## **AIR**

**2013 MONITORING NETWORK PLAN** MDEQ invited [public comment](#) on the draft 2013 Air Monitoring Network Plan. The plan, which is produced annually, supports compliance with ambient air quality standards and emissions strategy development, provides data to the public, and supports research studies. Comments were due 28 JUN 13. For more information, contact [Hoby Rash](#) at (406) 841-5260.

## **WATER**

**SUBSURFACE SEWAGE TREATMENT** MDEQ released revisions to [proposed amendments](#) to [Department Circular 4](#) (Montana Standards for On-Site Subsurface Sewage Treatment Systems). The revisions would make available to the public those rules and other publications that are adopted by reference in the circular. MDEQ is proposing to provide the specific version of each standard to be adopted; a link to the web site of the source of each rule or publication proposed to be adopted by reference; the address of the department, where the rule or publication may be viewed; and language to clarify that these standards are adopted by reference. Comments were due 7 JUL 13. For more information, contact [Elois Johnson](#) at (406) 444-2630.

**WATER RIGHTS PERMITTING** The Montana Department of Natural Resources and Conservation [is proposing](#) to amend existing water rights permitting rules and to adopt new Rule I regarding water right permitting. The amendments relate to the following sections: Forms, Form and Special Fees, Horse Creek Controlled Groundwater Area, Permit and Change Application Acceptance, Permit Application Criteria - Physical Surface Water Availability, and Change Application - Historic Use. A public hearing was held 26 JUN 13. Comments were due 5 JUL 13. For more information, contact [Millie Heffner](#).

## ***LEGISLATIVE DEVELOPMENTS***

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



**UNMANNED SYSTEMS** Governor Jack Dalrymple signed EO [2013-08](#) creating the Northern Plains Unmanned systems Authority. The authority is tasked to oversee operation of an unmanned aircraft systems (UAS) test site for the integration of unmanned systems into the national airspace. The order was effective 28 MAY 13 until rescinded.

**NOXIOUS WEED LIST** The South Dakota Department of Agriculture added [white horehound](#) to the local noxious weed and declared pest list. The final rule was effective 24 JUN 13.

## ***LEGISLATIVE DEVELOPMENTS***

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



## ***AIR***

**ADOPTION BY REFERENCE: AIR POLLUTION CONTROL PROGRAM** South Dakota Department of Environment and Natural Resources (SDDENR) [adopted amendments](#) to its air quality program. The amendments update federal air quality regulations adopted by reference to those published in the CFR as of 1 JUL 12. In addition, the agency revised certain obsolete and unnecessary statutes and rules. The [final rule](#) was effective 25 JUN 13. For more information, contact Marlys Heidt at (605) 773-3151.

## ***WASTE***

**ADOPTION BY REFERENCE: HAZARDOUS WASTE PROGRAM** The SDDENR [is proposing](#) to update federal rules incorporated by reference into state hazardous waste program rules. These updates reflect changes made to the federal hazardous waste rules from 1 JUL 10 through 30 JUL 12. Changes include establishing procedures for identifying and managing certain hazardous secondary materials destined for recycling, and making technical and typographical corrections to the federal rules. A public hearing is scheduled for 15 AUG 13. Comments are due the same day. For more information, contact Carrie Jacobson at (605) 773-3153.

## ***LEGISLATIVE DEVELOPMENTS***

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



## **AIR**

**AIR QUALITY RULES** The Utah Department of Environmental Quality (UDEQ) released [revisions](#) to its initial proposed amendments to air quality permit rule [R307-403-2](#) (Applicability). The [initial proposed amendments](#) are intended to correct deficiencies in Utah's coarse particulate (PM10) Maintenance Plan and the fine particulate (PM2.5) portion of the Utah State Implementation Plan (SIP). The revisions would remove the "list of sources" that is contained in the definition of "major sources" because it is duplicative. For more information, contact [Mark Berger](#) at (801) 536-4000.

**NEW SOURCE REVIEW** UDEQ released [revisions](#) to its initial proposed amendments to permitting rule [R307-420](#) (Permit: Ozone Offset Requirements in Davis and Salt Lake Counties). The [initial proposed amendment](#) aligns definitions used in [R307-403](#) and [R307-405](#). The revisions would add clarifying language related to determining whether a modification is a major modification for volatile organic compound (VOC) or nitrogen oxides (NOx). For more information, contact [Mark Berger](#) at (801) 536-4000.

**INCORPORATION BY REFERENCE** UDEQ [is proposing](#) to update the federal rules incorporated by reference in its air quality control rules to those published as of 1 JUL 13. For more information, contact [Mark Berger](#) at (801) 536-4000.

## **WASTE**

**USED OIL** UDEQ is proposing [amendments](#) to its standards for the management of used oil. The amendments address standards for used oil generators, collection centers and aggregators, transporters and transfer facilities, and oil processors and re-refiners. The amendments also address burning oil for energy recovery, disposal of used oil, emergency controls, cleanup and closures, registration and permitting of used oil handlers, and add a new section on polychlorinated biphenyls (PCBs). Comments were due 5 JUL 13. For more information, contact [Deborah Ng](#) at (801) 536-0218.

## **WATER**

**GENERAL DRINKING WATER PERMIT** UDEQ is [inviting public comment](#) on the Utah Pollution Discharge Elimination System (UPDES) General Drinking Water Permit UTG40000 draft permit renewal. The permit applies to drinking water treatment plants that do not discharge to waters of the state under normal operating conditions. Comments were due 21 JUN 13. For more information, contact [Matthew Garn](#) at (801) 536-4381.

## **LEGISLATIVE DEVELOPMENTS**

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



## **WASTE**

**SOLID WASTE RULE REVISIONS: USED OIL, TRANSFER SITES, AND LANDFILLS** The Wyoming Department of Environmental Quality (WDEQ) adopted [amendments](#) to Chapters [1](#), [2](#), and [7](#) of its solid waste management rules. The amendments:

- Simplify and streamline permitting requirements for solid waste transfer, treatment and storage facilities;

- Simplify and streamline permitting requirements for facilities storing used oil to be recycled or burned for energy recovery;
- Improve closure and post-closure financial assurance cost calculations for certain low volume/low hazard facilities and for municipal solid waste landfills;
- Incorporate into rule the statutory process for issuing certain renewal and closure permits;
- Expand and clarify standards for facilities that may be exempt from a permit or the need to obtain a waste management authorization;
- Update municipal solid waste landfill location standards to comply with federal requirements for separation from airports and Wyoming Sage-Grouse protection standards; and
- Add landfill gas reporting standards to the annual reporting requirements for municipal solid waste landfills and streamline reporting requirements for landfill operators.

The final rules were effective 28 MAY 13. For more information, contact [Bob Doctor](#) at (307) 473-3468 or at.

## ***WATER***

**STREAM AND LAKESHORE RESTORATION** WDEQ is inviting public comment on the updated Stream and Lakeshore Restoration Best Management Practices Manual. The manual documents best management practices (BMPs) supported by the Nonpoint Source Program for Clean Water Act Section 319 grant funds and educates the public about BMPs available to reduce nonpoint source pollution. Comments are due 31 JUL 13. For more information, contact [Jennifer Zygmut](#) at (307) 777-6080.

## ***LEGISLATIVE DEVELOPMENTS***

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

# **Department of Defense Activity**

## ***ENERGY***

**FEDERAL AGENCIES RELEASE ENERGY AND SUSTAINABILITY PERFORMANCE UPDATES** As part of the Obama Administration's initiative to reduce energy use, pollution, and waste, and to save money, on 31 MAY 13, [federal agencies released annual updates](#) that show significant progress toward energy and sustainability goals. Under [EO 13514](#), President Obama directed federal agencies to reduce their carbon emissions, increase renewable energy use, and meet energy and water efficiency goals. Annual performance updates document agencies' progress and help them to improve their energy efficiency and reduce costs and waste in their operations. Refer to the [DoD Sustainability/ Energy Scorecard for 2012](#) for details.

**DoD RENEWABLE ENERGY PROJECT MAP** The U.S. Army Corps of Engineers released a [DoD Renewable Energy Project Viewer](#). The viewer is an interactive map that shows DoD renewable energy projects. At the time of publication, the viewer is current through 2010.

## ***HAZARDOUS CHEMICALS***

**EMERGING CONTAMINANTS WATCH LIST** Three chemicals were added to the DoD's [Materials of Evolving Interest Team \(MERIT\) Emerging Contaminants Watch List](#) and one chemical on the list was selected for re-assessment. The chemicals are:

- 5-nitro-1,2,4-triazol-3-one (NTO),

- 2,4-dinitroanisole (DNAN),
- n-nitrosodimethylamine (NDMA), and
- 1,4-dioxane

NTO and DNAN are components of safer, drop-in replacements for traditional explosives. NDMA was used in the manufacture of rocket fuel, and can be produced during the chlorination of wastewater. The chemical 1,4-dioxane, which is currently on the watch list, is an ingredient in deicing fluids, antifreeze, cleaners, solvents, lubricants, and inspection penetrant removers used by the DoD. For more information, contact [Drew Rak](#) at (443) 558-5010.

## ***NATURAL RESOURCES***

**JOINT BASE LEWIS MCCORD: REPI GRANT** Joint Base Lewis-McChord (JBLM) was the recipient of a [Readiness and Environmental Protection Integration \(REPI\) Challenge Grant](#). This \$3.5M grant supports JBLM's [Army Compatible Use Buffer \(ACUB\) Program](#) by financing its [partnerships](#) for habitat protection with the U.S. Fish and Wildlife Service (FWS); U.S. Department of Agriculture Natural Resources Conservation Service; Thurston County, Washington; the state of Washington; and private landowners. The grant will be used to protect more than 2,000 acres of off-post candidate endangered species habitat to help relieve potential restrictions on-post in JBLM maneuver areas.

**AIR FORCE GUIDANCE TO STREAMLINE ENVIRONMENTAL REVIEWS** The Air Force [announced](#) program guidance to streamline the environmental impact analysis process under the National Environmental Policy Act (NEPA). The guidance standardizes approaches and emphasizes early interdisciplinary planning, promotes coordination, and implements consistent processes to achieve timely decisions. The goal of program is to accelerate the formal NEPA review process to six months or less for environmental assessments and 12 months for environmental impact statements. The new guidance and other current information on the Environmental Impact Analysis Program is available on the Air Force [eDASH website](#) for users with a common access card (CAC) using a ".mil" domain. For more information, contact the Air Force NEPA Center at (210) 395-8448.

# Federal Activity

**MEDIA-SPECIFIC REGULATIONS BY STATE** A new [website](#) provides access to media-specific regulations by state. It provides complete listings of state and federal regulations on selected environmental topics along with individual state contacts, information, and permits for downloading. The website was developed by the [National Center for Manufacturing Sciences](#). Funding for this project is provided by EPA under the [National Compliance Assistance Centers](#) program.

## ***AIR***

**REVISIONS TO LEAD REPORTING THRESHOLD - POINT SOURCES** EPA is proposing to lower the current reporting threshold for sources of lead emissions to report as point sources ([78 FR 37164](#)). The reporting threshold is applicable to state, local, and tribal agencies as outlined in EPA's [Air Emissions Reporting Requirements rule](#) (AERR). The current AERR threshold for determining if a stationary source of lead emissions must be reported as an individual point source, rather than as part of a county-aggregate nonpoint source, is five tons per year (tpy). EPA is proposing to lower the AERR emissions reporting threshold for lead emitters to one-half tpy. EPA expects that approximately 30 additional facilities nationwide would be required to report as point sources due to this change, since most of the sources emitting lead greater than one-half tpy already report as point sources due to their emissions of other criteria pollutants. Comments are due 19 AUG 13. For more information, contact [Ron Ryan](#) at (919) 541-4330.

**SIP REQUIREMENTS FOR 2008 OZONE NAAQS** EPA issued a notice of proposed rulemaking to implement the 2008 ozone national ambient air quality standards (NAAQS) ([78 FR 34177](#)). The proposed rule addresses a range of SIP

requirements for the 2008 ozone NAAQS, including requirements pertaining to attainment demonstrations, reasonable further progress, reasonably available control technology, reasonably available control measures, new source review requirements in nonattainment areas, emission inventories, the timing of SIP submissions, and compliance with emission control measures in the SIP. Other issues also addressed in the proposed rule are the revocation of the 1997 ozone NAAQS and anti-backsliding requirements that would apply when the 1997 ozone NAAQS is revoked. A public hearing was held 25 JUN 13. Comments are due 5 AUG 13. For more information, contact [Karl Pepple](#) at (919) 541-2683.

**UTAH SIP** EPA is proposing to partially approve and partially disapprove revisions to the Utah SIP on September 15, 2006 ([78 FR 35181](#)). The revisions contain new, amended, and renumbered rules in Utah Administrative Code (UAC) Title R-307 that pertain to the issuance of Utah air quality permits. The agency is proposing to approve all but four of the SIP revisions and to disapprove rules R307-401-7 (Public Notice); R307-401-9(b) and portions of (c) (Small Source Exemption); R307-401-12 (Reduction in Air Contaminants); and R307-410-5 (Documentation of Ambient Air Impacts for Hazardous Air Pollutants). The agency is also proposing to partially approve and partially disapprove R307-410-6 (Stack Heights and Dispersion Techniques). Comments are due 12 JUL 13. For more information, contact [Kevin Leone](#) at (303) 312-6227.

**WYOMING SIP/FIP: REGIONAL HAZE** EPA is proposing to partially approve and partially disapprove revisions to the Wyoming SIP that address regional haze in Class I areas ([78 FR 34737](#)). The agency is also proposing a Federal Implementation Plan (FIP) to address the deficiencies identified in its proposed partial disapproval of Wyoming's regional haze SIP. Comments are due 9 AUG 13. For more information, contact [Laurel Dygowski](#) at (303) 312-6144.

**WYOMING SIP: GHG PERMITTING** EPA is proposing to approve revisions to the Wyoming SIP that concern permitting of GHG emissions ([78 FR 37752](#)). The agency is proposing to approve revisions to Chapter 1 (Common Provisions); Chapter 3 (Definitions); and Chapter 6, Section 4 (Permitting Requirements, Prevention of Significant Deterioration); and the addition of Chapter 1, Section 7 (Greenhouse Gasses). The proposed revisions establish emission thresholds for determining which new stationary sources and which modifications to existing stationary sources become subject to Wyoming's prevention of significant deterioration (PSD) permitting requirements for greenhouse gas (GHG) emissions. The revisions also defer until 21 JUL 14 application of the PSD permitting requirements to biogenic carbon dioxide (CO<sub>2</sub>) emissions from bioenergy and other biogenic stationary sources. Comments are due 24 JUL 13. For more information, contact [Jody Ostendorf](#) at (303) 312-7814.

## ***CLIMATE CHANGE***

**CARBON SEQUESTRATION POTENTIAL** The U.S. Geological Survey (USGS) [released](#) the results of an assessment the agency conducted of the potential for CO<sub>2</sub> storage in the U.S. The agency found that the U.S. could sequester as much as 3,000 metric gigatons of CO<sub>2</sub>. The survey assessed carbon capture and storage (CCS) opportunities in 36 geologic basins and found the largest potential is in the Coastal Plains region in the Southeast, which accounts for 65% of the identified storage. Two other areas with significant storage capacity include Alaska and the Rocky Mountains/Northern Great Plains region. The study did not consider the costs of installing CCS, or access to the sequestration basins due to land management or regulatory restrictions. The study was released one day after President Obama announced a national climate plan that includes a directive for EPA to set power plant emissions limits for both new and existing facilities via new source performance standards (NSPS) that could mandate some form of carbon capture and storage.

## ***ENERGY***

**eGALLON** DOE [announced](#) a new website that allows consumers to compare the costs of fueling electric vehicles versus driving using gasoline. The [eGallon website](#) provides a metric that is easily comparable to the traditional gallon of unleaded fuel. That comparison is made by calculating how much it would cost to drive an electric vehicle the same distance as a similar conventional vehicle on a gallon of gasoline.

**TRANSFORMING OUR NATION'S ELECTRIC GRID THROUGH IMPROVED SITING, PERMITTING, AND REVIEW - PRESIDENTIAL MEMORANDUM** President Obama signed a new [Presidential memorandum](#) titled "Transforming our Nation's Electric Grid Through Improved Siting, Permitting, and Review." The memorandum addresses interagency cooperation in improving the siting, permitting, and review processes for all electric transmission projects, both onshore and offshore, requiring federal approval. The memo builds on the work of the previously created [Rapid Response Team for Transmission](#). The memo discusses designation of energy right of way corridors, and notes the desirability of minimizing impacts to the nation's aviation system and to the mission of the Armed Forces.

**REGULATION OF FUELS AND FUEL ADDITIVES** EPA is proposing amendments to three separate sets of regulations relating to fuels ([78 FR 36041](#)). Proposed changes include:

- Amending certain renewable fuels standard program regulations to include:
  - addition of new pathways for renewable diesel, renewable naphtha, and renewable electricity (used in electric vehicles) produced from landfill biogas;
  - a lifecycle analysis of advanced butanol and discussion of the potential to allow for commingling of compliant products at the retail facility level; and
  - various changes related to biogas, including changes related to the revised compressed natural gas (CNG)/liquefied natural gas (LNG) pathway and associated recordkeeping/reporting provisions.
- Various changes to the [E15](#) misfueling mitigation regulations ([40 CFR Part 80, Subpart N](#)); and
- Changes to the survey requirements associated with the ultra-low sulfur diesel (ULSD) program.

Comments are due 15 JUL 13. For more information, contact [Joseph Sopata](#), (202) 343-9034.

**HYDRAULIC FRACTURING ON FEDERAL LAND** The Bureau of Land Management (BLM) extended the public comment period on the [24 MAY 13](#) revisions to its original [2012 proposed rule](#) to regulate hydraulic fracturing on federal and Indian land ([78 FR 34611](#)). Comments are due 23 AUG 13.

**U.S. SENATE BILL S.1100** would repeal Section 526 of the 2007 Energy Independence and Security Act that prohibits the federal government, including the U.S. military, from purchasing transportation fuel produced from coal, oil shale, and oil sands. Introduced 6 JUN 13.

## ***THREATENED & ENDANGERED SPECIES***

**GRAY WOLF DELISTING AND MEXICAN WOLF LISTING - PROPOSED RULEMAKING** FWS is proposing to remove the gray wolf (*Canis lupus*) from the List of Endangered and Threatened Wildlife and to maintain endangered status for the Mexican wolf by listing it as a subspecies (*Canis lupus baileyi*) ([78 FR 35663](#)). The agency also completed a status review of *C. lupus* in the Pacific Northwest, and determined that it is not a listable entity. Comments are due 29 JUL 13. For more information, contact FWS Ecological Services Department at (703) 358-2171.

## ***TOXICS***

**REPLACING MERCURY-CONTAINING NON-FEVER THERMOMETERS** EPA released a guide on [replacing mercury-containing non-fever thermometers](#). The guide provides federal agencies with information to help them identify and replace mercury-containing non-fever thermometers in their facilities with mercury-free thermometers. The guide is also intended to help federal agencies safely dispose of the removed thermometers. For more information, contact Robert Courtnage at (202) 566-1081.

**TRI REPORTING - ADDITION OF NONYLPHENOL CATEGORY** EPA is proposing to add a nonylphenol category to [toxic release inventory \(TRI\) reporting rules](#) ([78 FR 37176](#)). Nonylphenol is mainly used in the manufacture of nonylphenol ethoxylates, which are nonionic surfactants used in a wide variety of industrial applications and consumer products. Nonylphenol is persistent in the aquatic environment, moderately bioaccumulative, and extremely toxic to aquatic organisms. EPA does not appear to be proposing a special (lower) reporting threshold for nonylphenol; therefore,

reporting thresholds would be 10,000 pounds (otherwise used at a facility) or 25,000 pounds if manufactured, imported, or processed at a facility. For more information, contact [Daniel Bushman](#) at (202) 566-0743.

## ***WATER***

**ALTERNATIVE TEST PROCEDURES FOR DRINKING WATER CONTAMINANT ANALYSIS** EPA approved 84 alternative methods for various drinking water analyses ([78 FR 32558](#)). The new methods are listed along with other previously expedited methods in [40 CFR Part 141 Appendix A to Subpart C](#) and on [EPA's drinking water methods website](#). For more information, contact [Glynda Smith](#) at (513) 569-7652.

**NATIONAL STANDARDS ON RAINWATER AND STORMWATER HARVESTING** The American Society of Plumbing Engineers and the American Rainwater Catchment Systems Association are developing an [American national standard on stormwater harvesting](#) systems. The new standard will establish requirements for designing post-construction alternative stormwater systems in lieu of potable water systems for new and redeveloped projects, including source control methods, site design parameters, stormwater treatment methods, and system maintenance. This standard complements a draft [rainwater collection guide](#) for rooftop harvesting of rainfall also under development. The standards, when final, will be part of the plumbing code.

## ***Professional Development***

**FEDERAL FACILITIES ENVIRONMENTAL STEWARDSHIP AND COMPLIANCE ASSISTANCE CENTER - [FedCenter.gov](#)**

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](#);
- 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.

**22-23 JUL 12, SAN DIEGO, CA** [3<sup>rd</sup> Bi-Annual Energy Development on Tribal Lands](#) Learn how to navigate the legal and cultural complexities associated with the development of renewable energy projects on tribal lands.

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

## ***VARIOUS DATES AND TIMES ONLINE***

**25 JUL 13, GENERAL SERVICES ADMINISTRATION (GSA) CARBON FOOTPRINT TOOL - [Live Demonstration of New Features](#)** This presentation will highlight GSA Carbon Footprint Tool basics as well as the new Energy Star Portfolio Manager Import functionality.

**\*8 AUG 13, RENEWABLE ENERGY PROJECTS ON FEDERAL LANDS: A PRACTICAL GUIDE AND EXAMPLES** This [webinar](#) will present a practical guide developed by the DOE's Federal Energy Management Program (FEMP) to navigate the complexities of developing large renewable energy projects at Federal Facilities and attracting the necessary capital to complete them. The guide is available from the [DOE FEMP website](#).

**\*22 OCT 13, INTRODUCTION TO UTILITY ENERGY SERVICE CONTRACTS (UESC)** This [Federal Energy Management Program \(FEMP\) UESC Webinar](#) provides attendees with an overview of the contracting options and services available from their local utility companies to engineer, finance, and install cost-effective energy and water savings projects. Participants are walked through the typical project process from the audit phase to commissioning the equipment. This webinar introduces participants to UESCs and helps them determine if this alternative financing opportunity is right for them.

**\*UTILITY ENERGY PROJECT INCENTIVE FUNDS** This FEMP course teaches federal agencies about financing the capital costs of energy improvement projects from savings generated through energy efficiency measures funded by utilities, public benefit funds, and other resources. This training opportunity targets federal energy, environmental, and fleet professionals and is offered at no cost by leading experts. [The training session is delivered live via satellite or through streaming media at your desktop.](#)

**CLIMATE CHANGE SCIENCE AND MANAGEMENT WEBINAR SERIES** This [webinar series](#) was developed to inform scientists, land managers, and the public about potential and predicted climate change impacts on fish and wildlife and to help guide resource management decisions across the United States. Video recordings with closed captioning are made available one to two weeks after each presentation. Presentations include: [From Icefield to Ocean: Impacts of Glacier Change in Alaska](#); [Fish Habitat and Climate Change](#); [Impacts of Climate Change and Melting Glaciers on Coastal Ecosystems in the Nearshore Waters of the Gulf of Alaska](#); [Climate Change in Higher Elevation Ecosystems](#); and [Can Camouflage Keep up with Climate Change](#).

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

**[Water's Impact on the Energy Sector](#)** This webinar featured Stacy Tellinghuisen, senior energy/water policy analyst at Western Resource Advocates, who shared new research on the national impacts of water scarcity on the energy sector, including how the expanded use of renewable energy and energy efficiency can help reduce the potential impacts that prolonged droughts will have on the energy sector.

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

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

**EPA NPDES TRAINING COURSES AND WORKSHOPS** Training courses, workshops, and webcasts explain the regulatory framework and technical considerations of the NPDES Permit program. They are designed for permit writers, dischargers, EPA officials and other interested parties.

**EPA Sustainable Materials Management Academy** Learn about key issues, successful projects, and a variety of best management practices for creating waste management programs. Building on the familiar concept of [Reduce, Reuse, Recycle](#), sustainable materials management (SMM) is a systemic approach that seeks to reduce materials use and their associated environmental impacts over their entire life cycle, starting with extraction of natural resources and product design and ending with decisions on recycling or final disposal. The format is a formal presentation followed by a question and answer session.

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

**EPA RCRA TRAINING** RCRA-related online courses, seminars, webinars, podcasts, and videos are posted throughout EPA's waste website. Introductory and advanced courses are included for federal and state regulators, the regulated community, organizations, associations, and consumers interested in environmental laws, regulations, and implementation.

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

**USACE PROSPECT TRAINING** USACE announces its FY13 PROSPECT training program. Please see the [Course Catalog \(a.k.a. Purple Book\)](#) and [List of Classes and schedule](#) for details. Courses are open to all federal, state, county and city employees and contractors. There are different registration processes for each entity.

**NAVY AND ISEERB ENVIRONMENTAL TRAINING FY13** The Navy and the Interservice Environmental Education Review Board (ISEERB) Environmental Training schedule for FY13 is available. Course topics include environmental overview and management; law planning and sustainability; pollution prevention; restoration; conservation; supplemental and Internet/computer-based training, and more.

**AIR FORCE CIVIL ENGINEERING SCHOOL TRAINING FY13** The Air Force Civil Engineering School offers a variety of environmental management courses and seminars, including ISEERB offerings. Courses offered by the Civil Engineering School are available to all military and civilian employees of the U.S. government. Fees may vary.

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

## *How the Regional Offices Work for You*

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

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

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

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

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# Acronyms

<b>ACHP</b>	Advisory Council on Historic Preservation
<b>ACUB</b>	Army Compatible Use Buffer
<b>AFFF</b>	aqueous film forming foam
<b>ARM</b>	Administrative Rules of Montana
<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>CAIR</b>	Clean Air Interstate Rule
<b>CAMR</b>	Clean Air Mercury Rule
<b>CCR</b>	Code of Colorado Regulations
<b>CDNR</b>	Colorado Department of Natural Resources
<b>CDPHE</b>	Colorado Department of Public Health and Environment
<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>CH<sub>4</sub></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>CSB</b>	Chemical Safety Board
<b>CWA</b>	Clean Water Act
<b>CWQCC</b>	Colorado Water Quality Control Commission
<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>	Department of Transportation
<b>ECA</b>	emission control area
<b>DPS</b>	distinct population segment
<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>EQC</b>	Environmental Quality Council
<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>GSA</b>	General Service Administration

<b>HCFC</b>	hydrochlorofluorocarbon
<b>HFC</b>	hydrofluorocarbon
<b>HFE</b>	hydrofluorinated ethers
<b>HID</b>	high intensity discharge
<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>MACT</b>	maximum achievable control technology
<b>MBER</b>	Montana Board of Environmental Review
<b>MCL</b>	maximum contaminant level
<b>MCLG</b>	maximum contaminant level goal
<b>MDEQ</b>	Montana Department of Environmental Quality
<b>MDNRC</b>	Montana Department of Natural Resources and Conservation
<b>MERIT</b>	Materials of Evolving Regulatory Interest Team
<b>MGA</b>	Midwestern Governors Association
<b>MOU</b>	memorandum of understanding
<b>MMS</b>	Minerals Management Service
<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>NDDOH</b>	North Dakota Department of Health
<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 Transportation 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>	National Research Council
<b>NSPS</b>	New Source Performance Standard
<b>NSR</b>	New Source Review
<b>OMB</b>	Office of Management and Budget
<b>ORCR</b>	Office of Resource Conservation and Recovery
<b>ORW</b>	outstanding resource water
<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>PM</b>	particulate matter
<b>PM<sub>2.5</sub></b>	particulate matter 2.5 microns in diameter or less
<b>PM<sub>10</sub></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>RGGI</b>	Regional Greenhouse Gas Initiative

<b>RICE</b>	Reciprocating Internal Combustion Engine
<b>RoC</b>	Report on Carcinogens
<b>RoHS</b>	European Union's Restriction of Hazardous Substances
<b>RRP</b>	Renovation, Repair, and Painting
<b>SDDENR</b>	South Dakota Department of Environment and Natural Resources
<b>SERDP</b>	Strategic Environmental Research and Development Program
<b>SI</b>	spark-ignition
<b>SIP</b>	State Implementation 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>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>UDEQ</b>	Utah Department of Environmental Quality
<b>UDNR</b>	Utah Department of Natural Resources
<b>UFC</b>	Unified Facilities Criteria
<b>ug/m<sup>3</sup></b>	micrograms per cubic meter
<b>UPDES</b>	Utah Pollutant Discharge Elimination System
<b>U.S.</b>	United States
<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>WCI</b>	Western Climate Initiative
<b>WDEQ</b>	Wyoming Department of Environmental Quality
<b>WOSL</b>	Wyoming Office of State Lands
<b>WRAP</b>	Western Regional Air Partnership