



U.S. ARMY

# Southern Review of Legislative & Regulatory Actions

The U.S. Army Regional Environmental & Energy Office

October 2020

The *Southern Review* publishes environmental and energy related developments for DOD/Army leaders and installation staff. Covering the eight states in Federal Region 4, the *Southern Review* gives early notice of legislative and regulatory activities relevant to DOD interests. For installations that implement an environmental management system in accordance with ISO 14001 specifications, the content of the *Review* may help them identify emerging requirements.

The *Review* is published under contract to the U.S. Army Corps of Engineers (USACE). The information in this publication is derived from a variety of sources and is not created by USACE.

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## TABLE OF CONTENTS

Regional Activity.....	2
Alabama .....	2
Florida .....	2
Georgia.....	4
Kentucky.....	4
Mississippi.....	5
North Carolina.....	5
South Carolina .....	5
Tennessee .....	6
Federal Activity .....	7
DOD Activity .....	12
Professional Development .....	13
Staff Directory.....	18

## PREPARING INSTALLATIONS FOR CLIMATE CHANGE

By Joseph Lacdan, Army News Service

The Army faces a growing menace -- one that has no military forces but threatens Army installations.

From the California wildfires to the hurricanes that pounded the southeast coast last fall, climate change has had an impact on operations and installations so great that the Army has identified the phenomenon as a national security threat.

To help Army posts prepare against natural disasters resulting from climate change, the Army published a [new directive](#) 11 SEP 20 that requires planners and managers to establish resilience measures to safeguard valuable assets and minimize readiness impacts.

Stephen Dornbos, science and technology policy fellow in the Office of the Assistant Secretary of the Army for Installations, Energy and Environment, or ASA (IE&E), said the new directive will provide Army installations with uniform instruction to help them build resilience to natural hazards.

Hazardous weather includes flooding, drought, desertification, rising sea levels, extreme heat, and thawing permafrost.

"Climate change has already had a big impact on Army installation infrastructure and threatens to degrade mission readiness. I think it's going to continue to have an increasingly large impact going forward," said Dornbos, who served as professor of geosciences at the University of Wisconsin-Milwaukee for 15 years. "There are a lot of concerns about wildfires in California and energy supply being threatened... There are adaptation strategies that installations could use to better prepare themselves."

See the full article [here](#).

# Region 4

For more information or to comment on any state issue in Region 4, contact [Dave Blalock](#), REEO-S Regional Counsel, (404) 545-5655.



## Regional Activity

**SE FIREMAP – PROJECT UPDATE.** On behalf of the National Resources Conservation Service, the Longleaf Alliance and Tall Timbers Research Station have provided a project update for the SE FireMap. The [update](#) provides detailed specific project objectives and scoping. The SE FireMap project’s mission is to develop an improved fire mapping system in the southeastern United States to serve as a critical decision support tool to maximize the effectiveness of fire management practices. A SE FireMap Scoping [survey](#) has also been posted to allow stakeholders an opportunity to provide feedback on proposed-use cases and database design preferences.

## Alabama

### ***LEGISLATIVE SESSION: 4 FEB 20 THROUGH 18 MAY 20***

There are no significant legislative activities to report.

### ***REGULATORY ACTIVITY***

There are no significant regulatory activities to report.

### ***FEDERAL ACTIVITY***

**AIR PLAN APPROVAL – AIR QUALITY CONTROL AND VOLATILE ORGANIC COMPOUNDS (VOC).** The U.S. Environmental Protection Agency (EPA) has approved a revision to Alabama’s State Implementation Plan (SIP) modifying the state’s air quality regulations by changing the definition of VOC to be consistent with federal regulations. The final rule is effective 21 OCT 20.

## Florida

### ***LEGISLATIVE SESSION: 14 JAN 20 THROUGH 19 MAR 20***

There are no significant legislative activities to report.

## **REGULATORY ACTIVITY**

**COASTAL MANAGEMENT PROGRAM.** The Florida Department of Environmental Protection (FDEP) Office of Resilience and Coastal Protection invited public comment regarding the operation and implementation of the Florida Coastal Management Program. Comments were due 2 OCT 20.

**DEFENSE SUPPORT TASK FORCE AND DEFENSE ALLIANCE.** The [Florida Defense Support Task Force](#), [Florida Defense Alliance](#), and Enterprise Florida Inc. held public meetings to discuss proposed actions that would assist in preserving, protecting, and enhancing Florida's military installations and missions. The Florida Defense Alliance [meetings](#) were held 16 and 29 SEP 20, and the Florida Defense Support Task [meetings](#) were held 17 SEP and 2 OCT 20.

**ENVIRONMENTAL RESOURCE PERMITTING RULES.** The Suwannee River Water Management District has proposed rulemaking to amend rules [40B-4.1020](#), [40B-4.1040](#), [40B-4.1100](#), [40B-4.1110](#), and [40B-4.3000](#) to clarify language and make the rules consistent with statewide Environmental Resource Permitting rules. [Notice](#) was published 25 SEP 20.

**FLORIDA 2020-2021 REGULATORY PLAN.** FDEP has issued notice of the availability of the state's 2020-2021 Regulatory Plan. [Notice](#) was issued 28 SEP 20.

**FLORIDA RED TIDE MITIGATION AND TECHNOLOGY DEVELOPMENT INITIATIVE.** Florida's Fish and Wildlife Conservation Commission and Mote Marine Laboratory held a public meeting of the Florida Red Tide Mitigation and Technology Development Initiative Technical Advisory Council to discuss the status of [379.2273 Florida Statutes](#) to develop prevention, control, and mitigation technologies to address the impacts of red tide. The [meeting](#) was held 2 OCT 20.

**MANAGEMENT PLAN — LITTLE BIG ECON STATE FOREST.** Florida's Department of Agriculture and Consumer Services has invited public comment at a workshop regarding the management plan for the Little Big Econ State Forest. A [workshop](#) will be held 28 OCT 20.

**MINIMUM SURFACE WATER LEVELS AND FLOWS AND GROUNDWATER LEVELS.** The St. Johns River Water Management District (SJWMD) held a meeting to discuss the draft maximum flow levels for Lakes Brooklyn and Geneva in Bradford and Clay counties. The meeting was held 24 SEP 20.

**PEACE RIVER/MANASOTA REGIONAL WATER SUPPLY — 2020-2021 REGULATORY PLAN.** The Peace River/Manasota Regional Water Supply Authority has issued notice of its 2020-2021 Regulatory Plan. [Notice](#) was issued 22 SEP 20.

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT — 2020-2021 REGULATORY PLAN.** The South Florida Water Management District has issued notice of its 2020-2021 Regulatory Plan, which includes emergency reporting, location information for endangered and threatened species, water quality improvements, and consumptive use permitting. [Notice](#) was issued 18 SEP 20.

**ST. JOHNS RIVER WATER MANAGEMENT DISTRICT — 2020-2021 REGULATORY PLAN.** SJWMD has issued notice of its 2020-2021 Regulatory Plan, which identifies and describes each rule the agency has proposed to adopt or amend in the next 12 months. [Notice](#) was issued 10 SEP 20.

**STATEWIDE ALTERNATIVE FUEL PLAN.** The Florida Office of Energy held a [meeting](#) to discuss alternative fuels and identify new ways to use alternative fuels after a natural or man-made disaster so that Floridians can return to a normal way of life as quickly as possible. The [meeting](#) was held 23 SEP 20.

# Georgia

## ***LEGISLATIVE SESSION: 13 JAN 20 THROUGH 26 JUN 20***

There are no significant legislative activities to report.

### ***REGULATORY ACTIVITY***

There are no significant regulatory activities to report.

### ***FEDERAL ACTIVITY***

**AIR PLAN APPROVAL – EMISSION REDUCTION CREDITS.** EPA has approved a Georgia SIP revision to update Georgia’s rule, “Emission Reduction Credits,” which establishes a program for emission sources in specified counties to apply for credits for voluntary emission reductions. The final rule is effective 22 OCT 20.

# Kentucky

## ***LEGISLATIVE SESSION: 7 JAN 20 THROUGH 15 APR 20***

**BR 102, OFF-SITE CONSTRUCTION AND DEMOLITION WASTE.** The bill would amend [KRS 224.40-120](#) to allow an off-site construction or demolition waste permittee to request an increase in the size of the permitted area to no more than two acres total if the applicant is compliant and continues to comply with the permit requirements for the currently permitted area. The bill was pre-filed 16 SEP 20.

### ***REGULATORY ACTIVITY***

There are no significant regulatory activities to report.

### ***FEDERAL ACTIVITY***

**AIR PLAN APPROVAL – EXISTING AND NEW VOC STORAGE VESSELS.** EPA has proposed to approve revisions to the Jefferson portion of Kentucky’s SIP to make changes to the regulations for new and existing storage vessels for VOCs. Comments are due 21 OCT 20.

**AIR PLAN APPROVAL – PREVENTION OF SIGNIFICANT DETERIORATION (PSD) AND MODELING INFRASTRUCTURE.** EPA has taken final action to approve Kentucky’s infrastructure SIP for the PSD and modeling requirements for the 2015 8-hour Ozone National Ambient Air Quality Standards (NAAQS). The final rule was effective 2 OCT 20.

**AIR PLAN APPROVAL – SURFACE COATING OPERATIONS.** EPA has approved revisions to the Jefferson County portion of Kentucky’s SIP to make changes to two regulations regarding the applicability of exempt surface coating standards for existing and new miscellaneous metal parts and products operations. The final rule was effective 2 OCT 20.

# Mississippi

**LEGISLATIVE SESSION: 7 JAN 20 THROUGH 1 JUL 20, SPECIAL SESSION 25 AUG 20 THROUGH 10 OCT 20**

There are no significant legislative activities to report.

## **REGULATORY ACTIVITY**

**MISSISSIPPI 2020 SECTION 303(D) LIST OF IMPAIRED WATER BODIES.** The Mississippi Department of Environmental Quality has [issued rulemaking](#) to amend the list of Impaired Water Bodies to identify those waters within the state for which recent monitoring and assessment have found pollutant-specific impairment and Total Maximum Daily Loads are not yet completed. Comments were due 29 SEP 20.

## **FEDERAL ACTIVITY**

**AIR PLAN APPROVAL — BEST AVAILABLE RETROFIT TECHNOLOGY (BART) AND REGIONAL HAZE.** EPA reopened the comment period for a notice of a proposed rulemaking to approve a draft Mississippi SIP revision addressing BART determinations for 14 electric generating units. The draft BART SIP corrects the deficiencies that led to the limited approval and limited disapproval of the state's regional haze SIP. Comments were due 5 OCT 20.

# North Carolina

**LEGISLATIVE SESSION: 28 APR 20 THROUGH 3 SEP 20**

There are no significant legislative activities to report.

## **REGULATORY ACTIVITY**

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) — GROUNDWATER REMEDIATION.** The North Carolina Department of Environmental Quality (NCDEQ) has issued a new NPDES permit to discharge remediated groundwater and similar wastewaters contaminated with petroleum products. [Notice](#) (page 22) was issued 1 SEP 20.

**WATER QUALITY MANAGEMENT PLANS — CAPE FEAR RIVER BASIN.** NCDEQ [has proposed](#) to remove the EPA-disapproved swamp classification and to remove the EPA-disapproved portion of the management plan from the lower Cape Fear River. Comments are due 2 NOV 20.

# South Carolina

**LEGISLATIVE SESSION: 8 JAN 19 THROUGH 25 JUN 20, SPECIAL SESSION 15 SEP 20 THROUGH 24 SEP 20**

There are no significant legislative activities to report.

## ***REGULATORY ACTIVITY***

There are no significant regulatory activities to report.

## ***FEDERAL ACTIVITY***

**AIR PLAN APPROVAL — MINIMUM REPORTING REQUIREMENTS.** EPA has finalized approval of a portion of South Carolina's SIP to modify a provision that requires fossil fuel-fired steam generators having a heat input capacity of more than 250 million British thermal units per hour (Btu/hr) to submit continuous opacity monitoring reports required by the SIP on a quarterly basis. The final rule is effective 19 OCT 20.

**STATE HAZARDOUS WASTE MANAGEMENT PROGRAM REVISIONS.** South Carolina has applied to EPA for final authorization of changes to its hazardous waste program under the Resource Conservation and Recovery Act (RCRA). EPA has determined that the changes satisfy all requirements needed to qualify for final authorization. Public comments on the changes were due 13 OCT 20.



## ***LEGISLATIVE SESSION: 14 JAN 20 THROUGH 19 JUN 20, SPECIAL SESSION 10-12 AUG 20***

There are no significant legislative activities to report.

## ***REGULATORY ACTIVITY***

**CONSTRUCTION AND OPERATING PERMITS.** The Tennessee Department of Environment and Conservation has proposed rulemaking to adopt by reference the current version of [40 CFR Part 51 Appendix W](#), which is the federal guideline on air quality models. EPA has required the amendment as part of the approval process for the Infrastructure SIP for the 2015 Ozone NAAQS. EPA has identified reference to an outdated version of 40 CFR Part 51 Appendix W in the state rules. The hearing date and comment deadline is 3 NOV 20.

**HAZARDOUS WASTE MANAGEMENT.** Tennessee's Underground Storage Tanks and Solid Waste Disposal Control Board has proposed rulemaking regarding hazardous waste management to conform to federal requirements and update standards for universal waste. The hearing date and comment deadline is 10 NOV 20.

**THREATENED AND ENDANGERED SPECIES.** The Tennessee Wildlife Resources Agency has proposed rulemaking to update the Tennessee Threatened and Endangered Species lists and wildlife in need of management lists and rules. A hearing has been scheduled for 23 OCT 20.

**TRIENNIAL REVIEW OF WATER QUALITY STANDARDS.** The Tennessee Department of Environment and Conservation has proposed rulemaking to conduct a triennial review of water quality standards including general water quality criteria and use criteria for surface waters. A hearing has been scheduled for 27 OCT 20, and comments are due 15 DEC 20.

## ***FEDERAL ACTIVITY***

**AIR PLAN APPROVAL — MINIMUM REPORTING REQUIREMENTS.** EPA has finalized approval of a portion of Tennessee's SIP to modify a provision that requires fossil fuel-fired steam generators having a heat input capacity of more than 250 million Btu/hr to submit continuous opacity monitoring reports required by the SIP on a quarterly basis. The final rule is effective 19 OCT 20.

# Federal Activity

## *AIR*

**MERCURY AND AIR TOXICS STANDARDS (MATS) FOR POWER PLANTS.** EPA has finalized amendments to the electronic reporting requirements for the National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units (also known as MATS) ([85 FR 55744](#)). This action revises and streamlines the electronic data reporting requirements of MATS, requires use of one electronic reporting system instead of two separate systems, and provides enhanced access to MATS data. This final action also extends the current deadline for alternative electronic data submission via PDF files through 31 DEC 23. The final rule was effective 9 SEP 20.

## *CLEANUP*

**NATIONAL PRIORITIES LIST (NPL).** EPA has added six sites to the NPL ([85 FR 54931](#)), deleted eight sites, and partially deleted nine sites ([85 FR 61610](#)). Deletion from the NPL does not preclude future actions under Superfund. The NPL is a list of national priorities among the known or threatened releases of hazardous substances, pollutants, or contaminants throughout the United States. For a list of affected sites, refer to the Federal Register citations and scroll to the respective Supplementary Information section.

## *CLIMATE*

**DROUGHT INDEX PORTAL.** The U.S. Geological Survey Climate Adaptation Science Center, in conjunction with the Earth Lab at the University of Colorado, has [released](#) a tool, the [Drought Index Portal](#) (DrIP), to compare drought indices across the continental U.S. This online tool can be used to compare different metrics of droughts across time and space and inform adaption plans. The DrIP tool is maintained on a website managed by the university.

## *ENERGY*

**FEDERAL CONSORTIUM FOR ADVANCED BATTERIES.** The Department of Energy (DOE), DOD, Department of Commerce, and Department of State have [announced](#) the launch of the Federal Consortium for Advanced Batteries (FCAB) to accelerate the development of a robust, secure, domestic industrial base for advanced batteries. FCAB provides a framework for cooperation and coordination among federal agencies having a stake in developing advanced battery technology and establishing a domestic supply of lithium batteries. The FCAB is part of the strategy outlined in [DOE's Energy Storage Grand Challenge Draft Roadmap](#). The Energy Storage Grand Challenge was announced earlier this year as a comprehensive, agency-wide program to accelerate the development, commercialization, and utilization of next-generation energy storage technologies and sustain American leadership in energy storage. It draws on the research capabilities of the DOE National Laboratories, universities, and industry.

**FRAMEWORK AND ROADMAP FOR SMART GRID INTEROPERABILITY STANDARDS.** The National Institute of Standards and Technology has [invited](#) public comment on the [draft](#) Framework and Roadmap for Smart Grid Interoperability Standards, Release 4.0 ([85 FR 58338](#)). Draft release 4.0 reflects changes taking place in the grid, including the accelerating pace of technological change, rapidly falling prices for modern energy technologies such as solar photovoltaic and other distributed energy resources, increased proliferation of low-cost sensors and network enabled devices, and the resulting surge in granularity and amount of data being generated. Comments are due 22 NOV 20.

**FY 2019 ANNUAL ENERGY PERFORMANCE DATA.** The DOE Federal Energy Management Program (FEMP) has [released](#) the fiscal year (FY) 2019 annual data for federal energy, water, and associated performance metrics. The data were released

to coincide with the White House Council on Environmental Quality's (CEQ's) posting of its FY 2019 progress update, which includes agency progress charts and the [FY 2019 Office of Management and Budget \(OMB\) Scorecards for Efficient Federal Operations/Management](#).

**RESILIENT ENERGY FUNDING FOR READINESS AND MODERNIZATION (REFORM) INITIATIVE ACCOUNT.** ASA (IE&E)'s Office of Energy Initiatives led a team to develop, coordinate, and rapidly implement the REFORM Initiative. The initiative leverages 10 USC 2912 authority to allow for the transfer of funds from expiring and cancelling Operation and Maintenance (O&M) and Research Development Test and Evaluation (RDT&E) appropriations into extended availability (no-year) accounts, commensurate with prior energy cost avoidance at Army installations. The final transfer of approximately \$35 million from FY 2020 targeted O&M and RDT&E funds which would have reverted to the U.S. Treasury as unobligated funds. These funds now reside in respective no-year accounts for the Army, Army National Guard, and Army Reserve and is available for future disbursement in support of energy resilience projects and quality of life improvements at the installation level.

**WHOLESALE ENERGY MARKET OPENED TO DISTRIBUTED RESOURCES.** On 17 SEP 20, the Federal Energy Regulatory Commission (FERC) [announced](#) it approved a final rule, [Order 2222](#), enabling distributed energy resource (DER) aggregators to compete in all regional organized wholesale electric markets. DERs are located on the distribution system, a distribution subsystem, or behind a customer meter. They range from electric storage and intermittent generation to distributed generation, demand response, energy efficiency, thermal storage, and electric vehicles and their charging equipment. The final rule enables these resources to participate in the regional organized wholesale capacity, energy, and ancillary services markets alongside traditional resources. Multiple DERs can aggregate to satisfy minimum size and performance requirements that they might not meet individually. Under the new rule, regional grid operators must revise their tariffs to establish DER aggregators as a type of market participant, which would allow them to register their resources under one or more participation models that accommodate the physical and operational characteristics of those resources. The final rule will be enacted 90 days after publication in the Federal Register. Grid operators must make compliance filings to FERC within 270 days of the effective date. A fact sheet is available [here](#).

## ***GUIDANCE***

**EMERGENCIES AND NEPA.** CEQ has issued guidance, [CEQ-NEPA-2020-01](#), to assist agencies with National Environmental Policy Act (NEPA) compliance during emergencies ([85 FR 60137](#)). The guidance provides agencies with a step-by-step process for determining the appropriate path forward for the NEPA environmental review of all actions proposed in response to an emergency. The updated guidance was effective 14 SEP 20.

**ENVIRONMENTAL IMPACT STATEMENT FILING SYSTEM GUIDANCE.** EPA has amended its Environmental Impact Statement (EIS) Filing System Guidance, which provides instruction to federal agencies on filing EISs, including draft, final, and supplemental EISs ([85 FR 58349](#)). The EIS Filing System Guidelines are effective 18 SEP 20. The amended EIS Filing System Guidance is available [here](#).

**NEW EPA GUIDANCE DOCUMENT WEBSITE.** In response to [Executive Order 13891](#), EPA has created a [portal to its guidance documents](#). The portal includes links to guidance issued by EPA offices:

- [Office of Air and Radiation](#).
- [Office of Chemical Safety and Pollution Prevention](#).
- [Office of Enforcement and Compliance Assurance](#).
- [Office of General Counsel](#).
- [Office of International and Tribal Affairs](#).
- [Office of Land and Emergency Management](#).
- [Office of Research and Development](#).
- [Office of Water](#).
- [All EPA Regional offices](#).

## MISCELLANEOUS

**FAA TYPE CERTIFICATION OF CERTAIN UNMANNED AIRCRAFT SYSTEMS.** As part of plans to integrate unmanned aircraft systems (UAS) into the National Airspace System, the Federal Aviation Administration (FAA) has announced its policy for the type certification of certain UAS as a special class of aircraft ([85 FR 58251](#)). FAA establishes airworthiness criteria and issues type certificates to ensure the safe operation of aircraft. This policy applies only to the procedures for the type certification of UAS; it does not establish policy impacting other FAA rules pertaining to unmanned aircraft. The policy was effective 18 SEP 20.

**FEDERALISM, COORDINATION, AND CONSULTATION WITH STATE AND LOCAL GOVERNMENTS.** The U.S. Government Accountability Office (GAO) released a report, *Federalism: Opportunities Exist to Improve Coordination and Consultation with State and Local Governments* ([GAO-20-560](#)). The report (1) identifies intergovernmental affairs offices' key responsibilities and activities at selected federal agencies and how these offices are organized; and (2) assesses state and local government officials' interaction with intergovernmental affairs offices, including their reported strengths and challenges. An [executive order](#) on federalism requires federal agencies to consult with state and local officials when formulating policy that affects them. The GAO report recommended that the director of OMB should take steps to ensure that federal agencies implement OMB guidance on agency adherence to the executive order's requirements, particularly related to designating a federalism official.

## NATURAL RESOURCES

**FRAMEWORK FOR ASSESSING ADAPTIVE CAPACITY.** The U.S. Geological Survey [announced](#) it has developed a framework for assessing adaptive capacity in animals and plants. The framework identifies two major classes of adaptive capacity: "shift in space," the ability to change range boundaries to find suitable conditions; and "persist in place," the ability to stay in the current range and use or develop tolerances to deal with changing conditions. Unlike previous frameworks, which are often species-specific or require information not available in all systems, this assessment encompasses a broad range of traits applicable to a wide variety of plants and animals. A paper, published 1 SEP 20, is available [here](#). The full tool is available in the paper's [supplementary materials](#).

## THREATENED AND ENDANGERED SPECIES

**ATLANTIC PIGTOE.** The U.S. Fish and Wildlife Service (FWS) has proposed to amend the proposed critical habitat designation and issue a 4(d) rule for the Atlantic pigtoe (*Fusconaia masoni*), a mussel found in Virginia and North Carolina ([85 FR 59487](#)). In October 2018, FWS [proposed](#) to list the species as threatened with a 4(d) rule and designate critical habitat. In this action, FWS proposes to designate a total of 566 miles as critical habitat across 18 units within portions of 14 counties in Virginia and 17 counties in North Carolina. This amounts to an increase of 24 miles in the proposed critical habitat designation for the species. Comments are due 22 OCT 20.

**BIG CYPRESS EPIDENDRUM, CAPE SABLE ORCHID.** FWS has determined that it is not warranted to add big cypress epidendrum (*Epidendrum strobiliferum*) and Cape Sable orchid (*Trichocentrum undulatum*) to the List of Endangered and Threatened Plants ([85 FR 54339](#)). Big cypress epidendrum is found across the tropical Americas and the Caribbean, including Collier County, Florida. Cape Sable orchid is found across the tropical Americas and the Caribbean, including Monroe County, Florida. The finding was made 1 SEP 20.

**ENDANGERED SPECIES – INTERAGENCY AGREEMENT SIGNING EVENT.** The Honorable Alex A. Beehler, ASA (IE&E), and Aurelia Skipwith, FWS Director, co-signed, and Secretaries of the Interior and Agriculture participated in, an Interagency Agreement (IA) that will enhance cooperation between the two agencies ensuring the military mission is not impacted by endangered species restrictions in training areas. Mr. Beehler spoke at the FWS event to announce the proposed down-listing of the red-cockaded woodpecker from endangered to threatened status signaling an increase in the red-cockaded woodpecker population largely due to Army conservation and partnership efforts. The IA was signed 25 SEP 20.

**GUIDELINES FOR SAFELY DETERRING MARINE MAMMALS.** The National Marine Fisheries Service (NMFS) has proposed a list of guidelines for use in safely deterring marine mammals and recommending specific measures that may be used to nonlethally deter marine mammals listed under the Endangered Species Act (ESA) ([85 FR 53763](#)). The Marine Mammal Protection Act (MMPA) specifies that any actions taken to deter marine mammals that are consistent with the guidelines or specific measures are not a violation of the MMPA. NMFS has not evaluated these deterrents for effectiveness. This rulemaking also proposes prohibitions on certain deterrent methods that NMFS has determined, using the best available scientific information, would have a significant adverse effect on marine mammals. Comments are due 30 OCT 20.

**NASHVILLE CRAYFISH.** FWS has reopened the public comment period for its 2019 [proposed](#) removal of the Nashville crayfish (*Orconectes shoup*) from the Federal List of Endangered and Threatened Wildlife ([85 FR 59732](#)). The species is native to the Mill Creek watershed in Davidson and Williamson counties, Tennessee. Comments are due 23 OCT 20. A public information hearing was held 8 OCT 20.

**RED-COCKADED WOODPECKER.** On 25 SEP 20, FWS [announced](#) the proposed downlisting of the red-cockaded woodpecker from endangered to threatened status. Due to the conservation efforts of diverse stakeholders across its range, it is no longer in danger of extinction and does not meet the definition of endangered under the ESA. FWS has also proposed to issue a rule under section 4(d) of the ESA to tailor protections for the woodpecker to those appropriate for its continued recovery while allowing some commercial activity to take place. FWS is also correcting the scientific name for the woodpecker to reflect that the currently accepted generic name for this species has changed from *Picoides borealis* to *Dryobates borealis*. According to the FWS [press release](#), in the Southeast, no fewer than eight Army installations, four Air Force installations, and one Marine Corps installation have made commitments to recovery goals for red-cockaded woodpeckers. The proposal to change the status of the red-cockaded woodpecker from endangered to threatened will be published in the Federal Register, opening a 60-day public comment period. The proposed rule and supporting documents, including the species status assessment report and references cited, are available online at <http://www.regulations.gov> under Docket No. FWS-R4-ES-2019-0018.

**REGULATIONS FOR DESIGNATING CRITICAL HABITAT.** FWS has proposed to revise regulations governing designation of critical habitat ([85 FR 55398](#)). The proposed revisions set forth a process for excluding areas of critical habitat under section 4(b)(2) of the ESA, which mandates FWS' consideration of the impacts of designating critical habitat and permits exclusions of particular areas following a discretionary exclusion analysis. This rulemaking, if finalized, would apply to critical habitat designations made by FWS. Comments were due 8 OCT 20.

**RUSTY PATCHED BUMBLE BEE.** FWS has determined that designation of critical habitat for the [rusty patched bumble bee](#) (*Bombus affinis*), listed as threatened, would not be prudent ([85 FR 54281](#)). FWS has determined that present or threatened destruction, modification, or curtailment of habitat is not the primary threat to the species, and the availability of habitat does not limit the conservation of the rusty patched bumble bee now, nor will it in the future. The current range of the bee includes Illinois, Indiana, Iowa, Maine, Massachusetts, Minnesota, Ohio, Virginia, West Virginia, Wisconsin, and Ontario, Canada. FWS has estimated that the rusty patch bumble bee is likely to be present in 0.1% of its historical range, which included the eastern United States and Upper Midwest, from Maine in the United States and southern Quebec and Ontario in Canada, south to the northeast corner of Georgia, reaching west to the eastern edges of North and South Dakota. The determination was made 1 SEP 20.

**TRISPOT DARTER.** FWS has designated critical habitat for the trispot darter in Alabama, Georgia, and Tennessee ([85 FR 61619](#)). This final rule designates as critical habitat approximately 175.4 miles of streams and rivers and 9,929 acres in Calhoun, Cherokee, Etowah, and St. Clair counties in Alabama; Gordon, Murray, and Whitfield counties in Georgia; and Bradley and Polk counties in Tennessee. In a separate notice, FWS published a special rule under section 4(d) of the ESA for the trispot darter ([85 FR 61614](#)). The rule provides measures that are necessary and advisable to conserve the species. The final rules are effective 30 OCT 20.

**THREE EASTERN FRESHWATER MUSSELS.** FWS has proposed to list the longsolid (*Fusconaia subrotunda*) and round hickorynut (*Obovaria subrotunda*) freshwater mussels as threatened species with rules under section 4(d) of the ESA ([85 FR 61384](#)).

FWS has also proposed to designate critical habitat for the longsolid and round hickorynut. For the longsolid, approximately 1,115 river miles, all of which is occupied by the species, in Pennsylvania, Kentucky, West Virginia, Virginia, Tennessee, and Alabama fall within the boundaries of the proposed critical habitat designation. For the round hickorynut, approximately 921 river miles, all of which is occupied by the species, in Pennsylvania, Ohio, Indiana, Kentucky, West Virginia, Tennessee, Alabama, and Mississippi fall within the boundaries of the proposed critical habitat designation. FWS has found that it is not warranted to list a third species, the purple lilliput (*Toxolasma lividum*). Comments are due 28 DEC 20.

## ***TOXICS***

**CYCLIC ALIPHATIC BROMIDE CLUSTER — FINAL RISK EVALUATION.** EPA has announced the availability of the final Toxic Substances Control Act (TSCA) risk evaluation for cyclic aliphatic bromide cluster chemicals ([85 FR 60456](#)). The cyclic aliphatic bromide cluster chemicals, including hexabromocyclododecane, also referred to as HBCD, are flame retardants. Other uses include use as a component of solder and use in automobile replacement parts. EPA has determined that specific conditions of use of HBCD present an unreasonable risk of injury to health or the environment. For those conditions of use for which EPA has found an unreasonable risk, EPA must take regulatory action to address that unreasonable risk through risk management measures enumerated in TSCA. EPA has also determined that specific conditions of use do not present unreasonable risk of injury to health or the environment. The announcement was made 25 SEP 20.

**ETHYLENE OXIDE — DRAFT PROFILE.** The Agency for Toxic Substances and Disease Registry (ATSDR) has released Draft Toxicological Profile for Ethylene Oxide ([85 FR 61749](#)). ATSDR has updated the draft profile based on availability of new health effects information since its initial release. ATSDR is seeking public comments and additional information or reports on studies about the health effects of ethylene oxide for review and potential inclusion in the profile. Comments are due 29 DEC 20.

**EUROPEAN UNION SETS INTAKE FOR PFAS IN FOOD.** The European Food Safety Authority (EFSA) [announced](#) it has set a new safety threshold for the main perfluoroalkyl substances, or PFAS, that accumulate in the body. The threshold — a group-tolerable weekly intake (TWI) of 4.4 nanograms per kilogram of body weight per week — is part of a scientific opinion on the risks to human health arising from the presence of these substances in food. EFSA's assessment focused on perfluorooctanoic acid (PFOA); perfluorooctane sulfonate (PFOS); perfluorononanoic acid (PFNA); and perfluorohexane sulfonic acid (PFHxS). This [scientific opinion](#) updates a 2018 opinion.

**METHYLENE CHLORIDE, 1-BROMOPROPANE — FINAL RISK EVALUATION AND NEXT STEPS.** EPA has [announced](#) a public engagement and outreach effort to discuss how the agency will approach the rulemaking process to address unreasonable risks found in the final TSCA chemical risk evaluations for [methylene chloride](#) and [1-bromopropane](#). After issuing the final risk evaluations for these chemicals, EPA is moving into the risk management phase and is seeking feedback from stakeholders on the options for managing those risks. Under TSCA, there are several actions EPA can take to address unreasonable risks including banning a chemical, restricting the manufacturing, processing, distribution or use, warning labels/testing, and requiring manufacturers to notify distributors of any unreasonable risks. EPA has up to one year after issuing a final risk evaluation to propose and take public comments on any risk management actions. Webinars to kick off the public outreach effort were held in September for each chemical.

## ***WATER***

**2020 STEAM ELECTRIC RECONSIDERATION RULE — STEAM ELECTRIC POWER GENERATING EFFLUENT GUIDELINES.** EPA [announced](#) it has finalized a rule revising the regulations for the Steam Electric Power Generating category (40 CFR Part 423). The rule revises requirements for two specific waste streams produced by steam electric power plants: flue gas desulfurization (FGD) wastewater and bottom ash (BA) transport water. The 2020 final rule changes the technology basis for treatment of FGD wastewater and BA transport water; revises the voluntary incentives program for FGD wastewater; adds subcategories for high-flow units, low utilization units, those that will transition away from coal combustion by 2028, and finalizes requirements that are tailored to facilities in these subcategories; and establishes new compliance dates. A fact sheet and other information is available [here](#).

**LEAD-FREE PIPES, FITTINGS, FIXTURES, SOLDER, AND FLUX.** EPA has finalized amendments to existing regulations governing lead in plumbing materials used in public water systems or residential or nonresidential facilities providing water for human consumption ([85 FR 54235](#)). The amendments codify aspects of the Reduction of Lead in Drinking Water Act of 2011 (RLDWA), which revised the definition of "lead free" by lowering the allowable maximum lead content of plumbing products and established a statutory method for calculating lead content. The amendments also establish new requirements for manufacturers and importers regarding lead-free plumbing products. These requirements for lead-free plumbing materials used in new installations and repairs will reduce the number sources of lead and, consequently, will reduce adverse health effects associated with exposure to lead in drinking water. For details, refer to the Supplementary Information section of the Federal Register notice. The final rule was effective 1 OCT 20.

**NATIONWIDE PERMITS.** The U.S. Army Corps of Engineers (USACE) is proposing to renew and revise 52 nationwide permits for work in wetlands and other waters that are regulated by Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act of 1899. In addition, USACE is proposing to issue five new nationwide permits that pertain to authorizing seaweed mariculture activities, finfish mariculture activities, electric utility line and telecommunications activities, utility line activities for water and other substances, and water reclamation and reuse facilities. The proposal was published in the Federal Register ([85 FR 57298](#)) on 15 SEP 20. Comments are due 16 NOV 20.

## Department of Defense Activity

**ARMY CLIMATE RESILIENCE HANDBOOK.** The Army has published the [Army Climate Resilience Handbook](#). Developed in close coordination with USACE, the Army Climate Resilience Handbook takes Army planners through the process to systematically assess climate exposure impact risk and incorporate this knowledge and data into existing installation planning processes such as master plans. Throughout the world, DOD installations are exposed to the risks of climate change, jeopardizing U.S. national security. By anticipating future climate change conditions, the Army can reduce climate impacts to missions and operations and protect its real property investments by reducing exposure. The handbook is intended to help Army planners in this effort.

**ARMY NATIONAL GUARD — MORALE, WELFARE, AND RECREATION PROGRAMS.** On 2 AUG 20, the Army issued [Army Directive 2020-07](#), Army National Guard Military Morale, Welfare, and Recreation Programs, and Nonappropriated Fund Instrumentalities. Effective immediately, Morale, Welfare, and Recreation (MWR) programs and nonappropriated fund instrumentalities (NAFIs) established in accordance with Army Regulation 215-1 are authorized for the Army National Guard/Army National Guard of the United States. The Army MWR fund will be designated as successor-in-interest for Army National Guard/Army National Guard of the United States MWR NAFIs. The U.S. Army Nonappropriated Fund Risk Management Program applies to Army National Guard/Army National Guard of the United States MWE programs and NAFIs established pursuant to this policy.

**ENHANCING INSTALLATION RESILIENCE.** In FY 2019, Congress expanded the Readiness and Environmental Protection Integration's (REPI's) authority to address military installation resilience as a key element of the REPI Program. Among REPI's new efforts to [enhance installation resilience](#) is the recently announced Fall 2020 Resilience Webinar Series and new resilience layers on the [REPI Interactive map](#). Using the National Fish and Wildlife Foundation [Coastal Resilience Evaluation and Siting Tool](#), REPI has added "Storm Surge," "Critical Infrastructure," and "Critical Facilities" layers to depict changing environmental conditions. Additionally, REPI has added multiple wildfire layers showing wildfire hazard potential as well as active and historic fires. The new layers are active now.

**HISTORIC HOUSING — NEW PROGRAM COMMENT.** The Advisory Council on Historic Preservation (ACHP) [announced](#) it has formally adopted the *Program Comment for Department of the Army Inter-War Era Historic Housing, Associated Buildings and Structures, and Landscape Features (1919-1940)*. A Program Comment is an alternate method for federal agencies to meet their obligations under Section 106 of the National Historic Preservation Act (NHPA), which requires them to consider

the effects of projects they carry out, approve, or fund on historic properties. This Program Comment addresses NHPA compliance requirements for more than 3,200 of the Army's Inter-War Era (1919-1940) housing units while simultaneously balancing the Army's obligation to the overall well-being of the Soldiers and families who live in that housing. The Program Comment authorizes the Army to more effectively address historic building materials that present lead-based paint, asbestos, and other hazards; high maintenance, repair, and rehabilitation costs associated with historic housing; the need for additional bedrooms and expanded living space; and modernization of kitchens, bathrooms, heating, ventilation, plumbing, and electrical systems. To access the Program Comment, click [here](#). An Army news article can be found [here](#).

**HISTORIC HOUSING — USE OF IMITATIVE SUBSTITUTES.** The Army has issued [Army Directive 2020-10](#), Use of Imitative Substitute Building Materials in Historic Housing. The directive establishes policy for the use of imitative substitute building materials in Army-owned and privatized historic housing, and for the inclusion of such materials in NHPA Section 106 memorandums of agreement and programmatic agreements. The policy applies to Army-owned and privatized historic housing subject to the requirements of the NHPA. This policy does not apply to historic housing addressed in NHPA Section 106, Program Comments, issued pursuant to 36 CFR 800.14(e); historic housing that has been formally designated by the National Park Service as a National Historic Landmark; and historic housing that has been formally designated by the National Park Service as a contributing property within a National Historic Landmark District. This policy does not apply to Civil Works functions of the U.S. Army Corps of Engineers.

**SENTINEL LANDSCAPES 2020 ACCOMPLISHMENT REPORT.** The [2020 Sentinel Landscapes Accomplishments Report](#) highlights partnership efforts by the DOD, the Agriculture and Interior departments (USDA, DOI), state and local governments, and nongovernmental organizations. This report outlines the accomplishments of the Sentinel Landscapes Partnership through FY 2019. Through FY 2019, projects across sentinel landscapes have attracted over \$141 million in DOD funds, \$223 million in USDA funds, \$41 million in DOI funds, \$169 million in state funds, \$15 million in local funds, and \$80 million in private funds. These contributions have permanently protected more than 467,000 acres of land and enrolled 2.3 million acres of land in technical assistance programs. Examples of exceptional projects through FY 2019 include: Building Coastal Resilience to Support Military Readiness; Protecting Ranchlands to Enhance Wildlife Habitat; Strengthening Water Security in Southern Arizona; Increasing Access to Recreation; and Increasing Accessibility to Landowner Assistance Programs. An announcement about the report is available [here](#).

# Professional Development

## *DOD TRAINING SOURCES*

**2020 READINESS AND ENVIRONMENTAL PROTECTION INTEGRATION WEBINAR SERIES.** DOD's REPI Program continues its REPI Webinar Series for 2020. The series showcases best practices and lessons learned from REPI partnerships nationwide that support military missions and accelerate the pace of conservation. All webinars begin at 1:00 p.m. Eastern time. The complete 2020 REPI Webinar Series is available for download [here](#). Upcoming webinars are as follows:

- 4 November, [Preparing for Extreme Weather: Improving Installation Resilience and Exploring Emergency Response Programs](#).
- 9 December, [Exploring Endangered Species Crediting Strategies](#).

**AIR FORCE CIVIL ENGINEERING SCHOOL TRAINING.** The [Air Force Civil Engineer School](#) offers a variety of environmental management courses and seminars, including Interservice Environmental Education Review Board offerings. Courses are available to all military and civilian employees of the U.S. government, free of charge. Due to DOD travel restrictions, all resident course offerings are cancelled or postponed through 2020. The Civil Engineer School will continue delivering satellite and web course offerings throughout this period, although dates and times are subject to change.

**INSTALLATION RESILIENCE WEBINAR SERIES — FALL 2020.** The [Resilience Webinar Series](#) is presented by the REPI Program, Southeast Regional Partnership for Planning and Sustainability (SERPPAS), and Western Regional Partnership. These virtual events will engage with installations and partners across the country about their ongoing resilience efforts. View this [flyer](#) for more details:

- [SERPAS Coastal Resilience Webinar](#) (recorded).
- [REPI Resilience Virtual Panel and Land Trust Alliance Rally](#) (recorded).
- 15 OCT 20 [Western Regional Partnership's Fort Huachuca Sentinel Landscape Partnership Water Efforts Webinar](#).
- 29 OCT 20 [REPI & SERPPAS – Engaging at the State and Local Level on Resilience](#).
- 18 NOV 20 [REPI and Resilience Virtual Workshop](#).

**NAVY CIVIL ENGINEER CORPS OFFICERS SCHOOL TRAINING.** The [Navy Civil Engineer Corps Officers School](#) (CECOS) offers training on environmental management, pollution prevention, environmental compliance, environmental conservation and planning, and environmental restoration. Energy course offerings include Leadership in Energy and Environmental Design, Energy Information Administration, and Energy Technology Information. Click [here](#) for information on course offerings and times. Courses offered by CECOS are available to all military and civilian employees of the U.S. government, free of charge. Travel costs are borne by the student.

**STRATEGIC ENVIRONMENTAL RESEARCH AND DEVELOPMENT PROGRAM (SERDP) AND ENVIRONMENTAL SECURITY TECHNOLOGY CERTIFICATION PROGRAM (ESTCP) WEBINAR SERIES.** DOD's environmental research and development funding programs ([SERDP and ESTCP](#)) launched a [webinar series](#) to promote the transfer of innovative, cost-effective, and sustainable solutions developed using SERDP and ESTCP funding. Live webinars are offered every two weeks on Thursdays from 12:00 p.m. Eastern for 90 minutes. Most webinars feature two 30-minute presentations and interactive question and answer sessions on topics targeted for DOD and Department of Energy audiences. Prior presentations are archived for viewing any time. Recently archived webinars are available on demand [here](#).

**US ARMY CORPS OF ENGINEERS PROSPECT TRAINING.** The USACE FY 2021 PROSPECT (Proponent-Sponsored Engineer Corps Training) purple book has been released. Courses are open to federal, state, county, and city employees and contractors. There are different registration processes for each entity. Refer to the [course schedule](#) for the latest information relating to PROSPECT courses.

## ***FEDERAL TRAINING SOURCES***

**BIOBASED PRODUCT TRAINING SERIES.** The U.S. Department of Agriculture offers a series of [on-demand training modules](#) about biobased products and the BioPreferred® Program. View training modules [here](#).

**CLIMATE CHANGE SCIENCE AND MANAGEMENT WEBINAR SERIES.** This U.S. Geological Survey [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.

**ENERGY STAR.** EPA's [Energy Star program](#) helps identify and promote energy efficiency in products, homes, and buildings. EPA hosts a [webinar series](#) that covers a range of topics, from how to benchmark in Portfolio Manager to financing energy efficiency improvements to how to engage building occupants.

**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 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.

**FEDERAL FACILITIES ACADEMY.** The [Federal Facilities \(FF\) Academy](#), hosted by EPA, is a voluntary training program developed for EPA Remedial Project Managers, project managers from other federal agencies, state government, and tribal groups who work on federal facility Superfund cleanups. The FF Academy offers [webinars](#) and [classroom training](#). Webinars are archived for on-demand viewing. Classroom training is offered in various locations throughout the year and may be available to non-EPA personnel, depending on the specific course and space availability.

**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, such as:

- Program development (e.g., environmental management systems, green procurement program).
- Federal and state regulatory requirements for various facility activities.
- Access to [environmental assistance](#).
- Access to free, [FedCenter-sponsored courses](#).
- [Partnerships](#).

FedCenter also provides member assistance services such as collaboration tools for workgroups, environmental reporting tools, and daily newsletter and subscription services.

**FEMP eTRAINING COURSES.** FEMP offers interactive, [eTraining courses](#) to help federal agencies develop core competencies and comply with energy efficiency, renewable energy, water management, and sustainability requirements. FEMP is partnering with the National Institute of Building Sciences' Whole Building Design Guide to host these comprehensive, FEMP-developed eTraining courses.

**FISH AND WILDLIFE RESTORATION WEBINAR SERIES.** FWS [Fiscal 2020 Restoration Webinar Series](#) is a venue for disseminating new approaches, best management practices, and innovative restoration techniques to some of the nation's greatest restoration challenges. The series covers a broad spectrum of topics including planning and implementing restoration projects, project monitoring and evaluation at multiple time scales, accounting for a changing climate in restoration, regional restoration planning and priority setting, and permitting. All webinars are recorded and available for public viewing at any time. Archived webinars are available [here](#).

**GENERAL CONFORMITY TRAINING MODULES.** The General Conformity Rule ensures that the actions taken by federal agencies in nonattainment and maintenance areas do not interfere with a state's plans to meet national standards for air quality. EPA's [online conformity training program](#) covers all aspects of the rule and is divided into four modules.

**GUIDING PRINCIPLES FOR SUSTAINABLE FEDERAL BUILDINGS.** This training series from the Federal Energy Management Program provides updated guidance for complying with the 2016 Guiding Principles for Sustainable Federal Buildings. The series consists of five on-demand courses:

- [2016 Guiding Principle I: Employ Integrated Design Principles and Introduction.](#)
- [2016 Guiding Principle II: Optimize Energy Performance.](#)
- [2016 Guiding Principle III: Protect and Conserve Water.](#)
- [2016 Guiding Principle IV: Enhance Indoor Environmental Quality.](#)
- [2016 Guiding Principle V: Reduce Environmental Impact of Materials and Guiding Principle VI - Assess and Consider Climate Change Risks.](#)

**INTERSTATE TECHNOLOGY AND REGULATORY COUNCIL 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](#) 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.

**PFAS ROUNDTABLE II.** The [Interstate Technology and Regulatory Council](#) (ITRC) hosted an “ask the experts” roundtable on PFAS that focused on PFAS fate and transport in the environment, available physical and chemical properties of PFAS, and unique considerations for PFAS site characterization. The roundtable session, held live 8 OCT 20, can be viewed anytime from Clu-In’s [archived training seminars](#).

**SUSTAINABLE ACQUISITION FOR FEDERAL AGENCIES.** The two-hour [course](#) provides staff involved in specifying and purchasing with a thorough introduction to compliance requirements, processes, and tools for procuring sustainable products and services. Participants will receive specific guidance on how to meet executive order and Federal Acquisition Regulation requirements and understand how sustainable acquisition benefits their agency, community, and the environment.

**SUSTAINABLE ACQUISITION TRAINING RESOURCES.** The interagency federal Sustainable Acquisition & Materials Management Practices Workgroup compiled a [spreadsheet](#) of sustainable acquisition training resources developed or hosted by federal agencies that are available to government employees, businesses, and non-governmental organizations.

**WATER MANAGEMENT BASICS.** This FEMP [online course](#) provides a concise introduction to comprehensive water management, to include key topic areas of basic water management terminology, history of federal water mandates, best practices associated with comprehensive water management, and proven water conservation financing mechanisms and strategies. The three-module course offers a thorough overview of water management in the federal context:

- Module One: Introduction to Federal Water Management.
- Module Two: Introduction to Comprehensive Water Management.
- Module Three: Financing and Launching Water Management Projects.

**WATER RESEARCH WEBINAR SERIES.** EPA's Office of Research and Development hosts this [webinar series](#) to share current research activities and results. The webinars are available in real time or on demand for previously held events. A [September webinar](#), SARS CoV-2 in Wastewater Monitoring: Linking Research and Application to Meet Immediate Needs, is available on demand. Scheduled events include:

- 18 OCT 20 Health Effects Associated with Harmful Algal Blooms and Algal Toxins.
- 18 NOV 20 Property Values and Water Quality: Supporting Decisions with the Hedonic Model.
- 27 JAN 21 Disinfection Byproducts Formation Tools for Drinking Water Utilities.
- 31 MAR 21 Fit-for-Purpose Water Updates and Life Cycle Comparisons of Non-Potable Water Reuse Scenarios.

**WATER/WASTEWATER UTILITY ALL-HAZARDS BOOTCAMP TRAINING.** Hosted by EPA, this [training course](#) is designed for water and wastewater employees responsible for emergency response and recovery activities. It also explains why and how to implement an all-hazards program, and will cover prevention and mitigation, preparedness, response, and recovery.

## ***OTHER TRAINING RESOURCES***

**QUALITY CONSIDERATIONS FOR MUNITIONS RESPONSE SITES.** ITRC has released an [on-demand training video](#) that provides a 30-minute introductory overview of ITRC’s [Quality Considerations for Multiple Aspects of Munitions Response Sites](#) guidance document. The training explains the decision logic used throughout a munitions response (MR) project and assists in developing the quality assurance and quality control activities that ensure quality data and confidence in decisions. The training provides an overview of the MR process and identifies specific quality considerations at critical decision points for MR projects.

**STATE ENVIRONMENTAL JUSTICE TRAINING WEBINAR SERIES.** EPA continues its State Environmental Justice Training webinar series. This initiative is a strategic investment by EPA to build long-term capacity for environmental justice practitioners working at the state level. Registration is required and free of charge.

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## How the Regional Offices Work for You

**The Army Regional Environmental and Energy Offices' close cooperation between the military and regional policymakers helps to resolve issues *before* they become laws and regulations.**

The REEOs monitor proposed state environmental and energy laws and regulations for impacts to installation missions. When legislation or a regulation important to the Army or DOD is being developed, REEOs work with the other military Services to assure that DOD and Services' interests are represented.

To comment on items in the *Southern Review*, please contact the Regional Counsel listed at the top of page two.

To be added to the *Southern Review* distribution list, email the [Regulatory Affairs Specialist](#).

