Regional Advisory

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Top 10 New Federal Regulatory Actions

The Army finalized its semiannual list of the top 20 upcoming federal environmental regulatory actions with the greatest potential for impact on its operations. Many of these regulatory actions will likely affect the other military services as well. The list is based on the Unified Agenda of Federal Regulatory and Deregulatory Actions. The top 10 from that list are:

- **Implementation of Ozone and Particulate Matter (PM) National Ambient Air Quality Standards and Regional Haze Regulations**

EPA is developing guidance and rules for meeting new ozone and PM standards and addressing regional haze. EPA has assured DoD that training activities will be exempt from the new standards, but DoD and military officials say implementation of the new standards is a critical issue.

- **Corrective Action for Solid Waste Management Units at Hazardous Waste Management Facilities**

This Resource Conservation and Recovery Act (RCRA) regulation provides a framework for investigating and remediating releases at RCRA facilities. A final rule is expected by the end of 1999.

- **Lead Hazard Standards**

These regulations identify the conditions and lead levels in dust and soil that would result in adverse human health effects. Final action is targeted for the end of 1999.

- **Effluent Guidelines and Standards for the metal products and machinery category, phases I & II**

This is a Clean Water Act regulation that would set effluent limitations on metal products and machinery production facilities. A notice of proposed rulemaking is scheduled for October 2000.

- **National Emission Standards for Hazardous Air Pollutants for site remediation**

This rule will specify maximum achievable control technology for site remediation. Hazardous air pollutant emissions from spills of organic liquid; the excavation, transportation and treatment of contaminated soils and groundwater; and other operations will be considered in developing the final rule. The rule is expected to affect DoD's Range Rule, and the Formerly Used Defense Sites program. A notice of proposed rulemaking is expected early this year.

- **Protection of Stratospheric Ozone**

The EPA is exploring options for an allowance distribution system to help ensure that the United States does not violate its hydrofluorocarbons cap under the Montreal Protocol.

- **National Emissions Standards for Hazardous Air Pollutants for paint strippers**

A notice of proposed rulemaking is expected by the end of 1999.

- **Selected rulemakings for reducing risks from lead, paint, dust and soil**

These rulemakings include regulations on lead paint-contaminated debris.

- **Revisions to Total Maximum Daily Load (TMDL) program regulations**

A notice of proposed rulemaking on revisions to the TMDL program is scheduled for April 1999.

- **Endocrine Disrupter screening and testing program**

The notice for proposed screening , originally scheduled for December 9998, has been delayed.

Source: Defense Environmental Alert, 12 January 1999.

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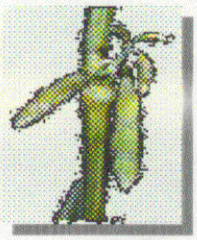
DOE's Sandia Goes with Soy

All fleet vehicles at the Department of Energy's (DOE) Sandia National Laboratories (SNL) recently switched to using soy-based hydraulic fluid.

In 1996 SNL field tested a soybean oil hydraulic fluid as part of a pilot program with the University of Northern Iowa (UNI) and selected equipment manufacturers. With 20 pieces of equipment dedicated to the test — sweepers, garbage trucks, fork lifts, motor graders, front-end loaders, a soil probe and others — SNL was the largest test user in the program.

The soybean substitute was "invisible" to SNL personnel it required no equipment modifications or special handling. Test results indicated that the soybean hydraulic fluid performed equal to or better than the petroleum-based product. During testing, the soybean product cost about twice as much as the petroleum-based hydraulic fluid. As production increases, the price of soybean lubricants is expected to fall.



Soybean lubricants are biodegradable and have no adverse environmental impact, eliminating cleanup costs. They utilize an existing renewable resource and meet or exceed the affirmative procurement requirements of Executive Order (EO) 13101, "Greening of Government Through Recycling, Waste Prevention and Federal Acquisition."

SNL's successful partnership with UNI and equipment manufacturers led to the 1997 approval of the vegetable-oil hydraulic fluid (marketed as BioSoy). The development of BioSoy satisfies a key tenet of EO 13101: That the use of recycled and environmentally preferable products and services by the Federal government can spur private sector development and use of new technologies, thereby creating business and employment opportunities and enhancing regional and local economies.

For more information, contact Bev Tierney at (712) 667-3200 or Gary Haer at (913) 884-8521.

Source: Pollution Prevention Advisor, Fourth Quarter 1998

Pest Control Products

The Defense Logistics Agency (DLA) Environmental Products Catalog for FY99 provides fourteen different environmentally oriented pest control products for consideration as part of an installation Integrated Pest Management Plan. Products range from brand name roach and ant bait stations to energy efficient electronic flying insect traps that could help reduce insecticide use.

The DLA Environmental Products Catalog is available on-line at http://www.dscr.dla.mil/PRODUCTS/EPA/Eppcat.htm. Other environmental products available from the catalog include aqueous cleaners and degreasers, remanufactured printer cartridges, fire-fighting equipment, and more.

Catalog products are available on direct vendor delivery contracts or depot stocked at the Defense Supply Center in Richmond. Additional information is available from DLA representatives at 1-800-345-6333 or DSN 695-4865.

Source: Environmental Monitor, Fall 1998.

National Town Meeting for a Sustainable America

On May 2-5, 1999, the National Town Meeting (NTM) will be held in Detroit, Michigan. The meeting will bring together leaders from government, business, and community-based organizations. It will focus on sustainability through information exchange, learning from each other, and leaving lasting community legacies.

The NTM will highlight the great ideas and best practices that have been implemented in the last few years. It will energize a movement to expand these practices to millions of citizens and show them that they can take part in and make commitments to sustainability across the nation.

In November 1998, Ms. Sherri W. Goodman, Deputy Under Secretary of Defense (Environmental Security), issued a memorandum encouraging the military services to participate in the NTM. By participating in the Meeting, DoD will have the opportunity to demonstrate its leadership in environmental management practices, development of innovative environmental technologies, and overall efforts toward environmental stewardship.

The Marine Corps Regional Environmental Coordination Office will co-present a "learning session" with the State of North Carolina Department of Environment and Natural Resources during the NTM. The presentation, "Joining Forces - Lessons Learned from Collaborative State-Military Environmental Partnership", will address NTM

(Continued on page 3, NTM)

The Green Bullet

Research for the Green Bullet program is currently ongoing at U.S. Army Armament Research, Development and Engineering center at Pica-tinny Arsenal, New Jersey. The program focuses on the replacement of lead and other harmful materials in 5.56 mm service rounds. Alternative tungsten mixtures will be used in place of lead for the bullet slug. Research is also being conducted to replace harmful materials in ammunition primer and in sealers that are released into the air upon firing.

Use of the Green Bullet will result in a cost savings of 1 to 5 cents per round over the current ammunition, depending on the final alternative mixture selected. The lead–free projectile is, according to defense officials, just as lethal as the standard 5.56mm without the environmental consequences. More information can be found at www.sql3.pica.army.mil/greenammo.

Although the DoD environmental community has been aware of the Green Bullet for several years, it has recently gained the attention of a publication with a much broader audience. The 8 February 1999 edition of *The Marine Corps Times* contains an article on the Green Bullet program. Approximately 100,000 copies of the *Times* are distributed per issue, reaching all levels and disciplines of active duty Marines.

Renewable Energy Draft Executive Order

A final draft of the Executive Order on Energy Efficiency is now under consideration at OMB. The order is part of the White House effort to reduce domestic emissions of greenhouse gases and will push federal agencies to reduce energy consumption and increase procurement of energy efficient products.

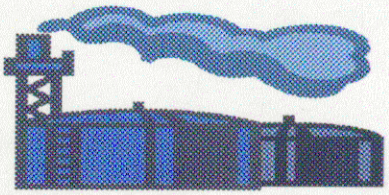
Three orders will likely be generated by these goals: one addressing federally-owned vehicles; another dealing with federal energy efficiency policies; and a third relating to environmental management issues.

The draft energy efficiency executive order, Greening the Government through Energy Efficient Management, reiterates goals of the Energy Policy Act of 1992. Goals of the order and the Act include: a 20 percent reduction in federal agency energy use by 2000 with a 30 percent reduction by 2005, and utilization of renewable energy sources for 5 percent of federal energy use and energy production by 2005.

Renewable energy sources were defined as electricity generated from "non-toxic organic waste, biomass, dedicated energy crops, landfill gas, geothermal, solar, tidal, hydro, or wind." Combustion of municipal solid waste is not considered a renewable energy source under the current definition.

The draft order would mandate that all agencies "develop and implement programs to reduce the use of petroleum in their facilities by switching to a less polluting and non-petroleum based fuel source." To help achieve this requirement, federal agencies will be authorized to spend up to 20 percent more for energy generated by renewable sources.

Source: Defense Environmental Alert, 1 December 1998



(NTM, Continued from page 2)

Goals, Themes, and Strategies intended to promote sustainability.

How Can I Participate?

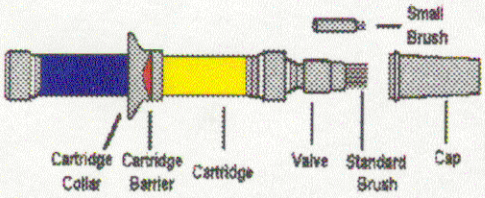
Attend the NTM: To register for the May 2-5, 1999 meeting, visit the NTM website at http://www.sustainableamerica.org.

Host an Affiliated Event in Your Community: Affiliated Events offer organizations and communities engaged in sustainable development the opportunity to become an active part of the NTM. If you are already hosting an event or want to plan an event prior to May 2, you may want to joint with the NTM network by being designated as a "Journey to Detroit" event. Details are available at http://www.sustainableamerica.org. or by e-iling eventsntm@getf.org.

For more information contact the NTM Headquarters at 1-888-333-6878, visit www.sustainableamerica.org, or e-mail ntm.getf.org. The Marine Corps REC Office, 910-451-9122, can also provide information on how to be involved with the NTM

Source: National Town Meeting website www.sustainableamerica.org and 20 November 1998 DUSD(ES) memorandum.

SEMPEN: Field touch-ups with less mess



The SemPen is a unique paint-pen designed to store, mix and apply small quantities of two-component paints. It is easy to use: shaking the pen displaces the cartridge barrier and precisely mixes the premeasured paint and base for optimum results. The pen contains paint to touch-up approximately one to two square feet.

Use of the pen may minimize hazardous waste generation by allowing personnel to avoid mixing large quantities of paints. The SemPen's brush application minimizes airborne concentrations of toxic solvents. Other personnel can work nearby without protective equipment.

SemPens are available in a wide range of colors and finishes. More information is available at: http://www.afcee.brooks.af.mil/eq/technology/sempen.htm.

Source: Currents, Summer 1998

Upcoming Conferences and Events

Date	Event	Location
29 Mar - 1 April 1999	NDIA Conference	Denver CO
6-9 April 1999	Nat. P2 Roundtable	Washington, DC
2-5 May 1999	NTM Sustainability	Detroit, MI
18-19 May 1999	Munitions Rule Training Session	Fort Jackson, SC
8-9 June 1999	Envr. Restoration User Conference	Charleston, SC
10-11 June 1999	FL P2 Conference	Jacksonville, FL
29 June - 1 July 1999	EPA/DoD/CFA Conference	Atlanta, Ga
27-28 July 1999	Navy P2 Conference	Arlington, VA
20-23 Sept. 1999	Southern States Env. Conf.	Biloxi, MS
27-29 Sept. 1999	Joint Services Recycling Conf.	Cincinnati, OH

REC Office Changes

Nothing stays the same and that applies to the personnel in the Region 4 REC Office as well!

Just a note of thanks and congratulations to Dawn Sudmeyer, P.E., as she concludes her work in the REC Office and begins work at Camp Lejeune's Environmental Management Department (EMD). Dawn is now working for Scott Brewer, Deputy Assistant Chief of Staff, EMD. Her first assignment is to complete the Comprehensive Base Order. As all of you know, Dawn was a great asset to the REC Office, and we greatly benefited from her knowledge, skill, and talent.

We are equally fortunate to welcome Robin Ferguson to the Office. Her background is in Natural Resources Management. She will focus on issues related to water, wildlife, and soils. Contact her for information on endangered species, wetlands, sedimentation, marine mammals, and invasive species at (910) 451-9115 or e-mail her at fergusonr@clb. usmc.mil.

Electronics Recycling Begins

The Defense Reutilization & Marketing Service (DRMS) will contract with an independent recycler disposal of all DoD electronic scrap that can't be sold or is inappropriate for donation. The contract will represent the first time DoD has "demanufactured" or recycled surplus electronic scrap. The DRMS is evaluating bids from demanufacturing facilities to purchase and recycle DoD electronic scrap. Recycling is expected to begin in February 1999.

Source: AFREO, Eastern Region.

The Regional Advisory is prepared quarterly by the Federal Region 4 Marine Corps Regional Environmental Coordination Office. Article submissions are welcomed. If you have ideas or experience that contribute to environmental excellence, contact the office at (910) 451-9113 or DSN 751-9113, fax (910) 451-9114 or by e-mail at shambaughj@clb.usmc.mil. Printed on recycled paper.