

The following message lists 7 new funding opportunities sponsored by the U.S. Environmental Protection Agency's National Center for Environmental Research (NCER).

Title: Development and Characterization of Biological Systems for Studying Low Dose Effects of Endocrine Disrupting Chemicals

URL: http://es.epa.gov/ncer/rfa/2004/2004_low_dose.html

Open Date: 03/19/2004 - Close Date: 06/01/2004

Summary: The U.S. Environmental Protection Agency (EPA), Office of Research and Development (ORD) as part of its Science to Achieve Results

(STAR) program, is seeking applications proposing to develop and characterize biological systems for studying the nature of the dose-response to endocrine disrupting chemicals. The purpose of the solicitation is to develop a body of information that will allow more informed judgements to be made in designing appropriate toxicology studies for identifying substances with endocrine activity and for interpreting their findings. Research should focus on the estrogen, androgen, or thyroid hormone systems, as these systems are the focus of the Agency's Endocrine Disruptors Screening Program. The proposals should focus on innovative toxicology studies conducted across a wide range of multiple dose levels to characterize dose-response relationships following in utero or early postnatal exposures to endocrine disruptors.

Title: Particulate Matter Research Centers

URL: http://es.epa.gov/ncer/rfa/2004/2004_pm_research.html

Open Date: 03/29/2004 - Close Date: 08/31/2004

Summary: The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, seeks applications for Particulate Matter Research Centers to study priority issues related to airborne particulate matter, including susceptibility, mechanisms of health effects, exposure-response relationships, and source linkages. Centers will be funded for up to five years. A total of up to \$8 million is available for the first year to support this effort at this time.

Title: Collaborative Science & Technology Network for Sustainability

URL: http://es.epa.gov/ncer/rfa/2004/2004_collab_science.html

Open Date: 03/22/2004 - Close Date: 05/21/2004

Summary: To encourage innovative thinking about practical application of science and engineering for sustainability, ORD -in partnership with the Office of Policy, Economics, and Innovation (OPEI) and the Office of Regional Operations (ORO)- is launching the Collaborative Science and Technology Network for Sustainability. The Network will be an informal partnership among academics, non-profits, communities, states, and EPA that explores and learns about new approaches to environmental protection that are systems-oriented, forward-looking, and preventative. The Network will be a testing ground for developing and applying tools necessary for practicing sustainability. The tools developed will draw on a scientific understanding of the consequences of decisions and actions. Under the solicitation, EPA will be funding innovative regional projects that address a stated problem or opportunity relating to sustainability and use science to inform design, planning and decision-making at the local, state and industrial

levels. Proposals should clearly 1) identify a problem or opportunity relating to sustainability and explain its long term importance or significance for an identified EPA region; 2) articulate the use of science and engineering, including data or information to be collected and synthesized; 3) define short and long-term success in terms of environmental, economic, and social measures and explain how progress will be tracked; 4) identify partners and collaborators for the project; 5) articulate a plan for transferring tools, approaches, and lessons to other states, localities, regions, or industries.

Title: EPA Small Business Innovation Research Regular Phase I

URL: http://es.epa.gov/ncer/rfa/2004/2004_sbir_phase1.html

Open Date: 03/25/2004 - Close Date: 05/25/2004

Summary: The Environmental Protection Agency (EPA) invites small business firms to submit research proposals under this Regular Small Business Innovation Research (SBIR) Solicitation. EPA is interested in advanced technologies in Nanomaterials, Control and Monitoring of Air Pollution, Drinking Water Treatment and Monitoring, Water and Wastewater Management, Hazardous Waste Management and Site Remediation, Hazardous Waste Monitoring, Solid Waste Recycling, Safe Buildings, and Drinking Water and Wastewater Security. EPA also is issuing Special SBIR Solicitations covering Pollution Prevention, Hazardous Waste Minimization and Technology Solutions for Pacific Southwest Environmental Problems.

Title: SBIR Special Phase I: Hazardous Waste Minimization

URL: http://es.epa.gov/ncer/rfa/2004/2004_sbir_phase1_haz-waste.html

Open Date: 03/25/2004 - Close Date: 05/25/2004

Summary: The Environmental Protection Agency (EPA) invites small business firms to submit research proposals under this special Small Business Innovation Research (SBIR) Solicitation entitled 'Hazardous Waste Minimization'. Topics in this solicitation include: (1) new products and technologies that reduce or eliminate the generation of hazardous waste containing any of 30 Waste Minimization Priority Chemicals, and (2) clean waste-to-energy gasification technologies and systems.

Title: SBIR Special Phase I: Pollution Prevention

URL: http://es.epa.gov/ncer/rfa/2004/2004_sbir_phase1_poll-prev.html

Open Date: 03/25/2004 - Close Date: 05/25/2004

Summary: The Environmental Protection Agency (EPA) invites small business firms to submit research proposals under this special Small Business Innovation Research (SBIR) Solicitation entitled 'Pollution Prevention'. The SBIR program is a phased process uniform throughout the Federal Government of soliciting proposals and awarding funding agreements for research (R) or research and development (R&D) to meet stated agency needs or missions.

Title: SBIR Special Phase I: Technology Solutions For Pacific Southwest Environmental Problems

URL: http://es.epa.gov/ncer/rfa/2004/2004_sbir_phase1_pac-swast.html

Open Date: 03/25/2004 - Close Date: 05/25/2004

Summary: The Environmental Protection Agency (EPA) invites small business firms to submit research proposals under this special Small Business Innovation Research (SBIR) Solicitation entitled 'Technology Solutions for Pacific Southwest Environmental Problems'. Topics in this solicitation include:

- New green building materials that cause fewer multimedia environmental problems and have reduced life cycle costs (e.g., recycled content, low toxicity, energy efficiency, biodegradability, and/or durability);
- Environmentally preferable technologies that reduce the consumption of water and energy in buildings;
- Real-time measurement of energy;
- Diagnostic instruments that can detect CWD in live animals. Such a test would help isolate infected animals and prevent contamination of landfills, streams, and drinking water sources;
- Monitoring instruments for detecting CWD agents in manure runoff, groundwater, streams, and drinking water sources;
- Cost-effective, green dairy, and CAFO technologies that reduce water pollution, including development of alternative uses for dairy and CAFO residuals;
- New, cost-effective and efficient technologies to manage dairy CAFO wastes, wastewaters and manure, especially those that reduce releases of

nutrients and pathogens;

- Improvements in land application technologies and practices for dairies and CAFOs to prevent or reduce surface water and groundwater contamination from animal wastes including nutrients, nitrogen, phosphorus, pathogens and veterinary pharmaceuticals;
- Products and technologies to prevent or reduce air emissions of ammonia, methane, and other air pollutants such as dust and particulates.
- Real-time stormwater monitoring technologies that measure pathogens, metals, oil and grease, and petroleum hydrocarbons during stormwater runoff events. Technologies that require little supervision and maintenance are a priority;
- Products and technologies that promote rapid settling of fine suspended particles at construction sites. Products should not cause aquatic toxicity or other adverse effects;
- Products and technologies that extract embedded oil or oil products from surfaces (soil, concrete, asphalt) without causing aquatic toxicity or other adverse effects.
- Self-sustaining, low-cost and energy-efficient solid waste reduction or treatment technologies for small public or private sources that do not require significant infrastructure to build, operate, and maintain. Ideally, systems should be simple, require minimal maintenance, and have low capital and operating costs.
- Cost-effective and energy-efficient onsite and decentralized wastewater treatment technologies for small urban sources not serviced by existing wastewater infrastructure systems. Ideally, systems should be reliable, have low capital and operating costs, and have low maintenance requirements.
- Low-cost and energy-efficient point-of-use and point-of-entry technologies for treating drinking water from suboptimal sources. These technologies could be used in homes, settlements and very small communities. Ideally, systems should be easy to maintain, simple to operate and have a long life.