

### Active EPA CRADAs

CRADA #	Partner	Description	Start Date	Expiration Date
380-06	Cormetech Inc.	Joint collaboration between Cormetech, Inc. and EPA on SCR catalyst-enhanced mercury control to be conducted at EPA's Multi-Pollutant Combustion Research Facility.	5/09/2006	5/09/2008
369-05	Harmsco Filtration Products	The objective of this research will be to evaluate and benchmark uniquely combined, existing technologies for the protection of the domestic water resource, from unexpected threats. Then to evolve these technologies by combining new, emerging, and advanced technologies, to target specific threats that are here to date, very difficult to neutralize, once they are entered into the water supply. Of significant importance is the combining of existing waste products, with these technologies to create unique polymers that theoretically will help neutralize some of the most hazardous threats to our domestic water. The initial goals are to develop a consumer affordable appliance, capable of continuous use to improve the domestic water supply and in the event of an unexpected threat, to act as "Body Armor" for the water supply, to take the hit of a chemical or biological attack, weather natural or man made...accidental or intentional.	10/10/2005	10/10/2007
379-A-06	Aemtek, Inc.	Aemtek, Inc. is pursuing a license for the Fungal Detection technology discovered and patented by the U.S. EPA National Exposure Research Laboratory. This technology will allow quick, efficient and accurate analysis for the presence and detection of specific fungi and bacteria using ribosomal DNA sequences. This CRADA will facilitate the transfer and commercialization of the technology by the Company. NERL researchers will work with the lead researcher(s) of the Company in the U.S. EPA Laboratory facilities to explain and familiarize the company with the intricacies of the technology and potential new developments for application of the technology in the commercial marketplace. These efforts will insure that the technology is brought to market in a timely and effective manner.	12/08/2006	12/08/2007
393-06	Affymetrix Inc., and Iconix Pharmaceuticals Inc.; Iconix Pharmaceuticals	Test ToxFx software, and compare and contrast results derived after altering several variables: 1st - between sites , 2nd - between RNA purification methods, 3rd - between cRNA preparation methods, 4th - between Rat Primary Hepatocytes and Rat In vivo findings, 5th - Results of a participant chosen compound as analyzed by the participant vs. analysis by ToxFx software and if desired manually by Iconix staff. The program's final goal (6th) is to use and test the ToxFx software to analyze a compound of the participant's choosing (if desired), and compare those results between the participant's in-house analysis techniques, Iconix scientific staff analysis using	6/26/2006	6/26/2011

		all of Iconix' DrugMatrix as a contextual reference, and the software driven ToxFx analysis. Implicit in this program is a comparison (7th, A vs. B) of the results for all of the comparisons above, produced when Whole Genome arrays are use or ToxFx arrays are used.		
214-02	American Chemistry Council	Gene chip technology identifying chemicals that might interfere with reproduction and development in wildlife	2/12/2002	2/12/2008
318-04	Battelle Memorial Institute	The Laboratory and the Institute wish to develop a near-field and far-field integrated public-domain model for simulating the transport and transformation of waterborne contaminants, including bacteria and pathogens, in complex and extensive aquatic environments. The project model shall simulate the hydrodynamics, near-field mixing, sediment and contaminated transport in the water column, sediment processes in the bed, and contaminant transformation and transport phenomena from multiple sources, including distributed sources, such as beaches and mud flats, as well as Combined Sewer Outfalls (CSO) and stormwater outfalls.	10/28/2005	10/28/2008
362-05	Big Sauk Lake Mobile Home Park	An arsenic treatment system will be installed into the source water of the Cooperator and samples will be taken and evaluated over a period of one year. The combination of treatment effectiveness, operation efficiency and costs will be used to evaluate the treatment technology installed at the Cooperator's site. The remaining 3 months of the project will include the completion of the sample evaluations and carry over paperwork from the demonstrations, and disposition of the equipment.	4/12/2005	12/21/2007
395-06	Biosystems Inc.	OBS has licensed a novel gene delivery technology based on lentiviral vectors that has powerful application to the field of molecular and cellular toxicology. This technology is ideal for the construction of reporter assays by transducing a wide variety of primary and established cells. The potential of this system ranges from transducing cells in culture to those in tissue explants and live animals. Appropriate reporter assays performed in appropriate cell type can be a powerful tool in the rapid evaluation and prioritization of toxic compounds.	10/16/2006	10/16/2008
216-02	Camp, Dresser & McKee	This CRADA would result in (1) a generalized computer tool for computing inflow hydrographs (dry-weather and RDII components) at a sewer junction for a design precipitation event and from land use data and other characteristics of the sewered area tributary to it; (2) software to link inflow hydrographs to the EXTRAN model of a sanitary sewer system; (3) a WindowsJ-based control program to facilitate the use of computer tools developed from this CRADA for modeling of sanitary sewer systems; and (4) a technical guide for performing capacity analysis of a sewer system and SSO control planning using computer tools developed in this CRADA.	5/03/2002	12/31/2008

218-02	Camp, Dresser & McKee	Stormwater Management (SWMM) Redevelopment	4/17/2002	4/17/2007
300-A-04	CENAS AG	Lab Instruction Fungal Contamination Quantification of <i>Stachybotrys chartarum</i> . CENAS AG is licensing the Fungal Detection technology discovered and patented by the USEPA NERL Laboratory. This technology will allow quick, efficient and accurate analysis for the presence and detection of specific and bacteria using ribosomal DNA sequences. This CRADA will facilitate the transfer and commercialization of the technology by the Company. NERL researchers will work with the lead researcher(s) of the Company in the USEPA Laboratory facilities to explain and familiarize the company with the intricacies of the technology and potential new developments for application of the technology in the commercial marketplace. These efforts will insure that the technology is brought to market in a timely and effective manner.	7/24/2004	7/27/2008
355-05	Charette's MHP	An arsenic treatment system will be installed into the source water of the Cooperator and samples will be taken and evaluated over a period of one year. The combination of treatment effectiveness, operation efficiency and costs will be used to evaluate the treatment technology installed at the Cooperator's site. The remaining 3 months of the project will include the completion of the sample evaluations and carry over paperwork from the demonstrations, and disposition of the equipment.	8/31/2005	12/31/2007
342-05	City of Sandusky, MI	An arsenic treatment system will be installed into the source water of the Cooperator and samples will be taken and evaluated over a period of one year. The combination of treatment effectiveness, operation efficiency and costs will be used to evaluate the treatment technology installed at the Cooperator's site. The remaining 3 months of the project will include the completion of the sample evaluations and carry over paperwork from the demonstrations, and disposition of the equipment.	3/21/2005	12/21/2007
360-05	Town of Taos	An arsenic treatment system will be installed into the source water of the Cooperator and samples will be taken and evaluated over a period of one year. The combination of treatment effectiveness, operation efficiency and costs will be used to evaluate the treatment technology installed at the Cooperator's site. The remaining 3 months of the project will include the completion of the sample evaluations and carry over paperwork from the demonstrations, and disposition of the equipment.	6/21/2005	9/21/2007
337-05	City of Three Forks	An arsenic treatment system will be installed into the source water of the Company [or utility] and samples will be taken and evaluated over a period of one year. The combination of treatment effectiveness, operation efficiency and costs will be used to evaluate the treatment	4/04/2005	12/04/2007

		technology installed at the Company. The remaining 3 months of the project will include the completion of the sample evaluations and carry over paperwork from the demonstrations, and disposition of the equipment.		
338-05	City of Vale	An arsenic treatment system will be installed into the source water of the Company [or utility] and samples will be taken and evaluated over a period of one year. The combination of treatment effectiveness, operation efficiency and costs will be used to evaluate the treatment technology installed at the Company. The remaining 3 months of the project will include the completion of the sample evaluations and carry over paperwork from the demonstrations, and disposition of the equipment.	7/19/2005	12/12/2007
187-00	Composite Membranes Corporation	The goal of this CRADA is to prepare composite membranes which will be preliminarily tested then forwarded to the Company for more extensive, laboratory-scale testing. Preparation of larger versions of the composite membranes, suitable for testing and demonstration in pilot-scale pervaporation equipment, will be undertaken pending the outcome of the laboratory-scale tests.	7/03/2002	7/03/2007
374-06	Cormatech Inc. & Babcock and Wilcox Company	The US EPA in collaboration with Cormatech, Inc. and Babcock and Wilcox (B&W) propose to conduct a study of the oxidation of elemental mercury (Hg0) by low-temperature, SCR-type catalysts followed by the capture of oxidized mercury (Hg2+) by B&W's proprietary wet scrubbing system. The objective is to develop mercury capture technology that can guarantee certain removal of mercury for coal-fired utility boilers	7/25/2006	7/25/2009
280-03	Cummins	Clean diesel combustion (CDC) for use in trucks. Under this CRADA, Cummins and the Laboratory will cooperate to demonstrate Clean Diesel Combustion ("CDC") on Cummins Heavy-Duty engines. The goal of this Agreement is to further develop, and then demonstrate, the performance of a Heavy-Duty engine that operates on the principles of Clean Diesel Combustion ("CDC") for use in trucks and/or mobile equipment. The parties particularly intend to focus their development efforts of CDC toward the technology transfer and refinement allowing demonstration of a market viable Cummins engine with displacement greater than 8 Liters (i.e., "Heavy-Duty").	4/04/2004	3/04/2008
194-A-01	Eaton Corporation	Evaluation and commercialization of hydraulic components developed for use in Hydraulic Hybrid Vehicles (HHV) application	10/02/2001	10/04/2007
385-06	Eli Lilly and Company	The goal of this project is to evaluate the feasibility of using laboratory animal visual function testing methods developed at EPA top identify visual function side effects	4/24/2006	4/24/2007

		reported in human subjects treated with potential drugs under development.		
200-01	Environmental Research and Education Foundation (EREF)	Evaluation and development of Landfill Gas Emissions and Control Technology	6/12/2001	12/12/2007
265-03	Environmental Research Contortium (ERC)	Low level exhaust and evaporative measurement technology through the Automobile Industry Government Emissions Research (AIGER) initiative	9/05/2003	9/05/2008
143-97	E. I. DuPont de Nemours and Companyl. DuPont de Nemours and Company Dow Chemical Company	Collaborative studies to develop computational models and in vivo and in vitro test methods needed for assessing noncancer health risks	2/09/1998	9/30/2007
291-03	Ford Motor Company	Demonstrate EPA's Clean Diesel Combustion on engine installed in a Ford Light-Duty vehicle	1/29/2004	7/19/2007
162-98	Ford Motor Company	Development of a High Efficiency Automotive Power Train	1/29/1999	9/20/2008
407-07	GL Sciences, Inc. 22-1 Nishishinjuku 6-chome	Develop standard methods for the sample collection, storage, extraction, cleanup, chromatographic separation and analysis methods for trace levels of perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) and the other related perfluorinated carboxylic acids and sulfonates. These methods will provide optimal recovery, precision, and accuracy for the compounds, which are found in various complex environmental matrices.	1/24/2007	1/24/2008
264-03	Glaxo-Smith-Kline	Material Transfer Agreement (MTA) - The effect of inhibiting thrombus formation by inhibitory anti-factor IX(a) monoclonal antibody (SB 249417), on PM-induced cardiopulmonary injury in SH rats, Study name SHR 16	7/24/2003	7/24/2013
383-06	Cincinnati Water Works	The overall goal of the WaterSentinel program is to design and demonstrate an effective system for timely detection and appropriate response to drinking water contamination threats and incidents through a pilot program that would have broad application to the nation's drinking water utilities. The WaterSentinel program proposes to harness five sources of data: water quality monitoring, public health syndromic surveillance, consumer complaint tracking, physical security monitoring, and contaminant-specific monitoring. While a scattering of utilities have	6/07/2006	6/07/2009

		<p>deployed elements of a contaminant warning system, WaterSentinel represents an unprecedented effort to integrate all five components in one monitoring and surveillance system. The WaterSentinel program would prove the concept of an effective contaminant warning system, so that drinking water utilities, ideally of all sizes and characteristics, could adopt such a system.</p>		
263-03	HybriGene	<p>Develop methods for assessing potential ecological risks associated with movement of transgenes from genetically modified crops to non-crop plant species. This will include methods to monitor rate and frequency of gene transfer, changes in gene expression, and affects on plant fitness characteristics. Studies will be conducted in plant growth chambers and greenhouses, using herbicide-resistant creeping bentgrass as a model species. Conduct regional surveys to sample resident and experimentally introduced weedy and native compatible bentgrass species. Areas proposed to be sampled are proximal and distal to known introduction sites (e.g., Madras and Hubbard, OR) of engineered open pollinated and male sterile bentgrass. Samples will be evaluated for the presence of engineered genes, for the fitness of potential hybrid progeny and for ecological effects on plant community structure and functions.</p>	6/30/2003	6/30/2007
311-04	INCELL Corporation, LLC	<p>Materials Transfer Agreement (MTA) - In vitro investigations of a normal colonic epithelial cell line (NCM 460) exposed to drinking water disinfection by-products known to cause aberrant crypt foci in rat colon</p>	5/07/2004	5/07/2007
331-A-05	International Truck and Engine Corporation	<p>The parties will build, test, and evaluate a demonstration series hydraulic hybrid urban delivery truck built on an International chassis and using EPA-patented technology. The goal of the project is to achieve a 70% improvement in fuel economy in urban driving over the conventional vehicle while meeting commercial vehicle performance specifications.</p>	2/16/2005	2/16/2009
293-04	International Truck and Engine Corporation	<p>Clean Diesel Combustion (CDC) for use in trucks. Under this CRADA, International Truck and Engine ("International") and the EPA will cooperate to demonstrate Clean Diesel Combustion ("CDC") on International diesel engines for use in Light-Duty or Heavy-Duty vehicles. The goal of this Agreement is to further develop, and then demonstrate, the performance of an International 4.5L Powerstroke diesel engine that operates on the principles of Clean Diesel Combustion ("CDC") for use in pick-up trucks or SUVs. The parties particularly intend to focus their development efforts of CDC toward the technology transfer and refinement allowing demonstration of a market viable International engine meeting U.S. EPA Tier 2 emissions levels with an engine displacement less than 8 Liters (i.e., "Light-Duty").</p>	1/09/2004	1/09/2008
	Kreido	<p>Evaluation of Kreido Spinning Tube-in-tube Reactor for</p>		

312-A-04	Laboratories	oxidation reactions. The goal of this research is for the Company and the Laboratory to collaborate to (1) develop and implement a test protocol to identify optimal parameters for a variety of reactions useful to the chemical manufacturing industry, (2) evaluate characteristics of the reactions and process, such as energy use, yield, footprint, throughput, etc., for comparison with standard CSTR and PFR technologies, (3) identify potential commercialization partners for these reactions, (4) develop the chemical reactions to the commercial stage, and (5) apply the reactions to commercialize industrial commercial processes.	2/17/2006	3/12/2009
408-07	Kyoto University	MTA to transfer 100 samples of human breast milk from Kyoto to NERL for the purpose of analyzing PFOS and PFC concentrations contained in the breast milk, and determining if these concentrations are related to the study subject's age, occupation, or location.	3/05/2007	3/05/2010
181-00	Membrane Technology & Research, Inc. (MTR)	Development of Alternate Technology for separating VOCs from groundwater and wastewater	3/02/2000	9/02/2009
190-00	Metal Alloy Reclaimers, Inc. (Metaloy)	Evaluation of removing ionic mercury from power plant scrubber water using Spent Claus Catalyst in processes to control air and/or water pollution	1/08/2001	1/08/2012
389-06	Michael J. Collins, President, CEM	The development of 'Greener' methods on a larger scale from the proof-of-principle laboratory scale experiments originating from EPA laboratories. CEM, innovators in microwave-related technologies, has a strong interest in scaling-up of the important chemical processes that use microwave irradiation. Most of their contributions would be in terms of equipment and in kind efforts of their scientists. The ensuing protocols and processes can be used by process development work at fine chemical, pharmaceutical companies around the world.	9/15/2006	9/15/2008
330-A-05	Molecular World	Molecular World Inc. is licensing the Fungal Detection technology discovered and patented by the U.S. EPA NERL Laboratory. This technology will allow quick, efficient and accurate analysis for the presence and detection of specific and bacteria using ribosomal DNA sequences. This CRADA will facilitate the transfer and commercialization of the technology by the Company.	5/11/2006	5/11/2007
262-03	Monsanto, Inc.	Material Transfer Agreement (MTA)- to obtain parental (non-engineered) controls and genetically engineered seeds of canola and necessary sequence, promoter, insert and terminator information to carry out basic research to address two major questions	5/12/2003	5/12/2007
242-03	Novartis	Material Transfer Agreement (MTA) - Plasmid DNA	12/18/2002	open-

	Pharmaceutical Corporation	damage caused by methylated arsenicals		ended
353-05	Oak Manor MUD	An arsenic treatment system will be installed into the source water of the Cooperator and samples will be taken and evaluated over a period of one year. The combination of treatment effectiveness, operation efficiency and costs will be used to evaluate the treatment technology installed at the Cooperator's site. The remaining 3 months of the project will include the completion of the sample evaluations and carry over paperwork from the demonstrations, and disposition of the equipment.	3/15/2005	12/15/2007
336-05	Okanogan Public Works	An arsenic treatment system will be installed into the source water of the Company [or utility] and samples will be taken and evaluated over a period of one year. The combination of treatment effectiveness, operation efficiency and costs will be used to evaluate the treatment technology installed at the Company. The remaining 3 months of the project will include the completion of the sample evaluations and carry over paperwork from the demonstrations, and disposition of the equipment.	4/13/2005	12/13/2007
334-05	Orchard Highlands Condominium Association	An arsenic treatment system will be installed into the source water of the Company [or utility] and samples will be taken and evaluated over a period of one year. The combination of treatment effectiveness, operation efficiency and costs will be used to evaluate the treatment technology installed at the Company. The remaining 3 months of the project will include the com	4/01/2005	7/01/2007
341-05	Oregon Institute of Technology	An arsenic treatment system will be installed into the source water of the Company [or utility] and samples will be taken and evaluated over a period of one year. The combination of treatment effectiveness, operation efficiency and costs will be used to evaluate the treatment technology installed at the Company. The remaining 3 months of the project will include the completion of the sample evaluations and carry over paperwork from the demonstrations, and disposition of the equipment.	3/16/2005	5/16/2007
257-A-03	Parker-Hannefin Corporation	Development of an advanced hydrostatic transmission for use on large vehicles	5/28/2003	5/28/2008
302-04	Pinisetti Research LLC	Redesign, modification and testing of components for the Laboratory's Vacuum Distillation Autosampler. The Laboratory and the Company wish to improve the design and performance of the components of the Laboratory's Vacuum Distillation Autosampler. The needed improvements are being identified in an analytical interlaboratory study being conducted for the Superfund Program Office. By making such improvements we are ensuring the methodology developed by ORD can be placed in laboratories with high productivity and data produced will meet EPA needs.	10/21/2004	10/21/2007

365-05	Polk County Solid Waste Division	Landfill bioreactor	10/11/2006	10/11/2011
207-01	R.J. Lee Group	Evaluating Microscopy-based Particle Characterization techniques	9/24/2001	9/24/2007
400-06	Sabre Technical Services, LLC	The goal of this research is to determine the factors influencing the efficacy of chlorine dioxide for destroying viable spores, allergens and mycotoxins from a variety of mold species found in structures and to characterize the "debris" remaining on the surfaces. The Technical Approach is divided into 2 Phases: Phase 1 consists of field research on the efficacy of chlorine dioxide for mold remediation in contaminated structures; and an optional Phase 2 involves systematic research on the factors influencing the efficacy of chlorine dioxide on a variety of mold species as a function of concentration-time (CT) values. Phase 2 is scheduled to commence at the completion of Phase 1 (12 months); however Phase 2 could be initiated at any time with mutual agreement of both parties.	2/28/2007	2/28/2009
239-02	Technical Database Services, Inc.	Use and Development of the Environmental Toxicity and Exposure (ET&E) Database and Estimation Technology	12/18/2002	12/18/2007
220-02	Inverness Medical Technology, Inc.	Development of SP-22 as a diagnostic indicator and modulator of fertility	10/17/2002	10/17/2006
344-05	Town of Felton, DE	An arsenic treatment system will be installed into the source water of the Cooperator and samples will be taken and evaluated over a period of one year. The combination of treatment effectiveness, operation efficiency and costs will be used to evaluate the treatment technology installed at the Cooperator's site. The remaining 3 months of the project will include the completion of the sample evaluations and carry over paperwork from the demonstrations, and disposition of the equipment.	4/01/2005	12/01/2007
357-05	United Water Systems	An arsenic treatment system will be installed into the source water of the Cooperator and samples will be taken and evaluated over a period of one year. The combination of treatment effectiveness, operation efficiency and costs will be used to evaluate the treatment technology installed at the Cooperator's site. The remaining 3 months of the project will include the completion of the sample evaluations and carry over paperwork from the demonstrations, and disposition of the equipment.	3/21/2005	12/21/2007

377-06	University of Dayton Research Institute, YSI	<p>This CRADA addresses the preconcentration needs that will be part of an integrated solution to develop a rapid means of detecting bioagents in drinking water. A first-stage preconcentration system based on micro-and or ultrafiltration methods will be developed that will then be integrated into a downstream immunomagnetic separation process. EPA's role will be to develop the initial preconcentration process and to provide concentrates to the rest of the research team. A number of approaches will be evaluated including ultrafiltration, microfiltration and adsorptive fibers. E. coli O157H7 will be the initial organism targeted however additional work will be done with phage and other cellular organisms.</p> <p>The collaboration is needed to develop an integrated concentration and detection system. Data and discussions of direction and research design will be exchanged between the collaborators. The University of Dayton Research Institute will administer the contract. There is the potential for intellectual property to be generated from the preconcentration process and its integration into the complete concentration and detection process.</p>	4/07/2006	4/07/2009
250-03	University of Minnesota-Duluth	Multi-photon Confocal Microscopy Collaboration	4/23/2003	4/23/2009
133-96	University of Minnesota Large Lakes Observatory	Evaluation and testing to be done on Lake Superior to address scientific uncertainties associated with studies of large lake ecosystems	4/23/2003	4/04/2007
405-07	University of Oregon	Material transfer agreement to transfer plasmids expressing roGFP redox sensitive Green Fluorescent Proteins from Univ. of Oregon to NHEERL's Human Studies Division. UBMTA.	11/09/2006	open-ended
234-02	University of Southern California	Rights to Assignment for a joint invention between USC and Paul Solomon. EPA assigned rights to invention to USC. USC licensed technology out to a third party, and splits royalties 50/50 with EPA.	8/26/2002	open-ended
255-03	University of Virginia	Material Transfer Agreement (MTA) - Human T-type channel cDNAs for Cav 3.1, 3.2, 3.3	4/24/2003	open-ended
322-04	UPS	CRADA to evaluate and develop highly efficient hydraulic hybrid urban delivery vehicles.	2/20/2005	2/20/2008
354-05	Village of Pentwater	An arsenic treatment system will be installed into the source water of the Cooperator and samples will be taken and evaluated over a period of one year. The combination of treatment effectiveness, operation efficiency and costs will be used to evaluate the treatment technology installed	4/12/2005	5/12/2007

		at the Cooperator's site. The remaining 3 months of the project will include the completion of the sample evaluations and carry over paperwork from the demonstrations, and disposition of the equipment.		
399-06	Wako Pure Chemical Industries, Ltd.	develop standard methods for the sample collection, storage, extraction, cleanup, chromatographic separation, and analysis for trace levels of perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) and the other related perfluorinated carboxylic acids and sulfonates. These methods will provide optimal recovery, precision, and accuracy for the compounds, which are found in various environmental matrices.	1/29/2007	1/29/2008
372-05	Waste Management, Inc. Delaware Corporation	Research conducted under this CRADA will examine the effects of moisture addition to municipal solid waste landfills and disposal of the fate of landfilled diseased animal wastes. The data collected under this agreement will directly support EPA's Bioreactor Landfills RD&D regulations. There are no patents or copyrightable material created under this CRADA.	4/10/2006	4/10/2011
309-04	Waters Corp.	The Region 5 Central Regional Laboratory (CRL) in conjunction with Waters Corporation will develop searchable mass spectral libraries for liquid chromatography/mass spectrometry (LC/MS), thereby expanding the list of compounds that can be identified by routine water analysis. These libraries will be tailored to compounds that are water soluble and difficult to analyze by gas chromatography/mass spectrometry. These libraries will be transferable between instruments of the same type, primarily the Waters Micromass Quattro micro API™ and ZQ™ mass spectrometers utilizing MassLynx™ software.	12/13/2004	12/13/2007
392-06	Waters Corp.	Develop standard methods for the sample collection, storage, extraction, cleanup, chromatographic separation and analysis methods for trace levels of perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) and the other related perfluorinated carboxylic acids and sulfonates. These methods will provide optimal recovery, precision, and accuracy for the compounds, which are found in various complex environmental matrices. The Methods Development and Applications Branch is interested in developing this standard method in cooperation with Waters Corporation due to their experience with analytical methods development and the range of sampling and analysis equipment that they produce which could be used to support this effort.	11/14/2006	11/14/2009
343-05	Webb Consolidated Schools	An arsenic treatment system will be installed into the source water of the Cooperator and samples will be taken and evaluated over a period of one year. The combination of treatment effectiveness, operation efficiency and costs will be used to evaluate the treatment technology installed	3/14/2005	12/14/2007

		at the Cooperator's site. The remaining 3 months of the project will include the completion of the sample evaluations and carry over paperwork from the demonstrations, and disposition of the equipment.		
359-05	Wellman WSC	An arsenic treatment system will be installed into the source water of the Cooperator and samples will be taken and evaluated over a period of one year. The combination of treatment effectiveness, operation efficiency and costs will be used to evaluate the treatment technology installed at the Cooperator's site. The remaining 3 months of the project will include the completion of the sample evaluations and carry over paperwork from the demonstrations, and disposition of the equipment.	3/22/2005	11/22/2007
275-03	W. L. Gore & Associates	Material Transfer Agreement (MTA)- The application involves the use of a thin perm-selective membrane to allow the selective transport of water.	8/07/2003	open-ended
382-06	University of Tennessee	<p>The cooperators will develop a methodology whereby EPA would be able to rank and/or prioritize emerging issues identified by environmental scans of both peer-reviewed and gray literature. Potentially, the methodology would incorporate probabilities and time frames and urgencies with respect to responding to an emerging issues' environmental and public health consequences.</p> <p>The EPA Library has been contracted to conduct literature searches using terms related to the UN University's Millennium Project's domains (or some subset of those domains). The proposed methodology would use the results of these searches as inputs.</p>	2/08/2007	2/08/2009