Response # 01086-12
+CWS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF ADMINISTRATIVE AND RESEARCH SUPPORT
Research Triangle Park, NC 27711

Scanned FOIA Logs 6/15/12 (C. Floyd Coleman)

Dated. 5/29/12

OFFICE OF RESEARCH AND DEVELOPMENT

Jeff Ruch
Executive Director
Public Employees for Environmental Responsibility (PEER)
2000 P Street, NW
Suite 240
Washington, DC 20036

RE: Freedom of Information Act Request No. HQ-FOI-01086-12

Dear Mr. Ruch,

This is in response to your Freedom of Information Act (FOIA) request dated April 6, 2012, for "information relating to cooperative research and development agreements (or CRADAs) and patent licensing agreements negotiated by the Environmental Protection Agency (EPA). Specifically, we request the following:

- A list of all currently active CRADAs, including the entity with which the CRADA is with and a description of the subject matter and duration of the agreement;
- A similar listing of CRADAs for the years 2008, 2009, 2010, and 2011; and
- A list of all patent license agreements EPA has granted pursuant to 30 U.S.C. §§ 207 et seq. by date, including the identity of the licensee and subject of the agreement.

We do not seek to obtain copies of any particular CRADA or licensing agreement in its entirety. Instead, we seek summary information regarding CRADAs and licensing agreements."

Enclosed is an Index of Releasable Records describing the records being provided with this response. We have determined that all of the records in question may be released. None of the requested information has been withheld.

In accordance with your FOIA request dated April 6, 2012, PEER has been granted a fee waiver.

If you have any questions concerning this response, please contact Jennifer Scola at (513) 569-7963.

Sincerely,

Alice A. Sabatini

Alice Sabatini
Deputy Director, Office of Administrative and Research Support

Enclosure

Fee Waiver granted

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

April 16, 2012

OFFICE OF
ENVIRONMENTAL INFORMATION

Mr. Jeff Ruch
PEER
2000 P Street, NW
Suite 240
Washington, DC 20036

RE: Request Number: HQ-FOI-01086-12

Dear Mr. Ruch:

This is in response to your request for a fee waiver in connection with your Freedom of Information Act (FOIA) request to the U.S. Environmental Protection Agency (EPA) seeking information related to "cooperative research and development agreements" (CRADAs) and patent licensing agreements negotiated by the EPA.

We have reviewed your fee waiver justification and based on the information you provided, we are granting your request for a fee waiver. However, this fee waiver does not include a waiver of fees for otherwise publically available records. The Office of Research and Development (ORD) will be responding to your information request.

If you have any questions concerning this please contact me at (202) 566-1667.

Sincerely,

Larry F. Gottesman
National FOIA Officer

Currently Active CRADAs at EPA - May 2012

Partner Name	Area of Tech Transfer	Type	Duration (yrs)
Agilent Technologies, Inc.	Perfluorinated compounds (PFCs) in water	CRADA	6.1
Altamira LLC	MTA	MTA	1
Aluminum Association Inc. Environmental Research and Education Foundation	Landfill gas emissions and control technology	CRADA	3
American Air Liquide, Inc.	Oxy-coal combustion for carbon capture	CRADA	5
APM Terminals North America, Inc.	Hydraulic Hybrid Vehicles	CRADA	4
Applied Minerals, Inc.	Clay mineral oil sorption	CRADA	5
Axion BioSystems	Toxicity testing using microelectrode array	CRADA	1
BASF SE	MTA	MTA	1
Brechtel Manufacturing, Inc. (BMI)	Particulate matter measurement	CRADA	5
Camp Dresser & McKee Inc.	Guidelines for water reuse	CRADA	2
Catholic University of Korea	Fluidized bed asbestos sampler	CRADA	2
Chrysler Group LLC	Hydraulic Hybrid Vehicles	CRADA	3
Clarkson University and Tisch Environmental	Particulate matter sampler	CRADA	3
Coordinating Research Council	Mobile source emissions testing	CRADA	5
Covanta Energy Corporation	Landfill gas emissions and control tech	CRADA	5
Danisco A/S	MTA	MTA	1
Delphi Automotive Systems	Hydraulic Hybrid Vehicles	CRADA	3
Elgin Sweeper Company	Permeable parking lot cleaning	CRADA	3
EMSL Analytical, Inc.	Contaminated oil-wastewater	CRADA	5
Environment Canada (EC)	Vehicle improvement technology	CRADA	3
Environmental Research Consortium (ERC) (DaimlerChrysler, Ford Motor Company, GM), Haagen-Smit Lab (CA Air Resources Board - CARB)	Vehicle emissions	CRADA	5.1
F-Cubed LLC	Water monitoring	CRADA	2
Four Rivers (formerly Kreido)	Holl Spinning Tube-in-tube reactor	CRADA	8.1
General Electric Intelligent Platform	Drinking water treatment plants	CRADA	3
Hoffmann-LaRoche Inc.	MTA	MTA	1
Houston-Galveston Area Council (HGAC)	Mobile source emissions testing	CRADA	3
Inverness Medical Technology, Inc.	Male factor infertility	CRADA	2

Partner Name	Area of Tech Transfer	Type	Duration (yrs)
L'OREAL	Tox-Cast database	CRADA	3
Las Vegas Valley Water District	Drinking water treatment plants	CRADA	3
Membrane Technology & Research, Inc. (MTR)	VOC separation-groundwater-wastewater	CRADA	6
MetalPath (ANSES)	MTA	MTA	1
NanoLogix, Inc.	Drinking water treatment plants	CRADA	2.5
National Institute for Occupational Safety and Health	MTA	MTA	1
Natural Resources Canada (NRCan)	Energy efficiency tool for buildings	CRADA	4.5
New Jersey Dept. of Environmental Protection	Hydraulic hybrid	CRADA	4
New York State Energy Research Development Agency	Emissions determination	CRADA	4.2
Oregon State University	MTA	MTA	1
PerkinElmer Health Sciences, Inc.	Nanotechnology	CRADA	2
Procter & Gamble Company	Interspecies Correlation Estimation models	CRADA	5
Solvay Chemical Company	Water treatment - reduce DBPs	CRADA	3
Technical Database Services, Inc.	Software tool - cleaner manufacturing	CRADA	5
UCLA School of Medicine	MTA	MTA	1
University of Dayton OH	Green synthesis of nanoparticles	CRADA	5
University of New South Wales	Zero valent iron remediation	CRADA	4
University of California Berkeley	MTA	MTA	1
University of California CEIN	MTA	MTA	1
University of Illinois at Urbana Champaign	Drinking water treatment plants	CRADA	7
University of Illinois at Urbana Champaign	Desalination & dewatering industrial	CRADA	2
URS GROUP, Inc.	Wet weather flow physical-chemical treatment process	CRADA	3
U.S. Geological Survey (USGS), Yellow Springs Instruments, Abraxis, Neptune, Tennessee Tech Univ	Nat'l Environmental Methods Index	CRADA	3
VeruTEK Technologies, Inc.	Inorganic contaminants in waste streams	CRADA	5
Watchfrog S.A.	MTA	MTA	1
Waters Corporation Region 5	LC/MS methods	CRADA	2
Waters Corporation (NERL CRADA)	Collection and analysis method for pharmaceuticals in fish tissue	CRADA	3

MTA = Materials Transfer Agreement (research materials are transferred within a year, no collaboration)

All EPA Licenses Issued - May 2012

Name	Area of Tech Transfer	Date Signed	Expiration Date
Boyle Engineering; Inc.	Butylamine group-containing ion exchange resins for water purification	10/8/1990	10/1/2001
ABB FLAKT, Inc.; University of Texas	Process for Removing Sulfur from Sulfur-Containing Gases	1/1/1991	7/1/1996
Bellefonte Lime Company	Lignosulfonate- modified calcium hydroxide for SO2 control during furnace injection	7/11/1991	7/11/2001
Bio-Rad Laboratories; Inc.	Interference between liquid chromatograph & mass spectrometer	1/22/1992	1/1/1998
SPB Technologies, Inc.	Microbial degradation of trichloroethylene; Biodegradation of aliphatic chloroethylene compounds	3/8/1993	3/8/2005
Envirogen, Inc.	Biodegradation of Aliphatic Chloroethylene Compounds	3/10/1993	3/1/2005
Emcon	Microbial Degradation of Trichloroethylene, Biodegration of Aliphatic Chloroethylene Compounds	3/9/1994	3/1/2006
ETG Environmental, Inc.	Method for the Destruction of Halogenated Organic Compounds in a Contaminated Medium	3/15/1994	3/1/1999
Soiltech ATP Systems Inc. (BCD)	Method for the Destruction of Halogenated Organic Compounds in a Contaminated Medium	3/15/1994	3/1/1999
Seoul Sharp Company, LTD; Center for Environment and Development (CED)	Electrostatic fabric filtration	4/5/1994	2/24/1997
Seoul Sharp Company. Ltd., Center for Environment and Development (CED)	Enhanced electrostatic fabric filtration	6/5/1994	2/24/1997
Nalco Fuel Tech	Reduction of Chlorinated Organics in the Incineration of Wastes	6/4/1995	6/4/2008
Graseby Andersen Inc. (later Thermo Electron Corp.)	Method for the Destruction of Halogenated Organic Compounds in a Contaminated Medium	11/6/1995	2/11/2004
University of Maryland	Tandem refrigeration systems	5/10/1996	5/1/2016
Industrial Recovery Systems International; Inc. (IR)	Method for the Destruction of Halogenated Organic Compounds in a Contaminated Medium	1/28/2000	1/28/2005
Lane Regional Air Pollution Authority, Airmetrics	MiniVol portable air sampler	6/26/2000	6/26/2014
Aerotech Laboratories, Inc.	Quantification of Stachybotrys chartarum	8/14/2000	8/14/2012
Whatman-GE (formerly S&S Biopath)	Membrane filter agar medium for detection of total coliforms & E. coli	11/20/2000	11/20/2015

Name	Area of Tech Transfer	Date Signed	Expiration Date
Ford Motor Co.	Hybrid Powertrain Vehicle; Anti-Lock Regenerative Braking System; Accumulator Engine; Lightweight, Safe Hydraulic Power System & Method of Operation Thereof; Continuously Smooth Transmission	9/20/2001	Expiration of licensed patents
Eaton Corporation	Hydraulic Hybrid Vehicle	10/4/2001	10/4/2021
Becton Dickinson (BD) Immunocytometry Systems Division	Membrane Filter Agar Medium for Detection of Total Coliforms and E-coli	10/18/2001	10/18/2011
Forensic Analytical, Inc.	Quantification of Stachybotrys chartarum	11/7/2001	11/7/2013
Microbial Insights, Inc.	Quantification of Stachybotrys chartarum	12/18/2001	12/18/2013
Composite Membranes Corporation	Novel Pervaporation Membrane for Separation and Recovery of Volatile Organic Compounds from Wastewater	7/3/2002	7/3/2007
Lighthouse Labs, LLC	Quantification of Stachybotrys chartarum	7/26/2002	2/2/2004
Midwest Soil	Method for the Destruction of Halogenated Organic Compounds in a Contaminated Medium	8/16/2002	8/6/2003
University of Southern California	High-quality continuous particulate matter monitor	10/10/2002	Expiration of patent
EMSL Analytical, Inc.	Quantification of Stachybotrys chartarum	12/18/2002	12/18/2014
Galson Laboratories	Quantification of Stachybotrys chartarum	12/20/2002	12/20/2014
Digital Diagnostics Systems, Inc.	Quantification of Stachybotrys chartarum	1/10/2003	11/21/2005
Environmental Microbiology Laboratory, Inc. (EM Lab)	Quantification of Stachybotrys chartarum	1/20/2003	11/21/2005
SENSORS, Inc.	Real-time on-road vehicle exhaust gas modular flowmeter and emissions reporting system (ROVER)	5/13/2003	5/13/2010
Parker Hannifin Corporation	Methods of vehicle operation; hydraulic components	5/28/2003	1/9/2021
Pure Earth Environmental Laboratory, Inc.	Method of identifying and quantifying specific fungi and bacteria	6/23/2003	6/23/2015
Ambient Group	Method of Identifying and Quantifying Specific Fungi and Bacteria	9/15/2003	9/15/2015
Genetic ID NA, Inc.	Method of identifying and quantifying specific fungi and bacteria	11/3/2003	11/3/2015
International Truck & Engine Corporation	Low Emission, Diesel-Cycle Engine; Controlled Temperature Combustion Engine	1/9/2004	Expiration of licensed patents

Name	Area of Tech Transfer	Date Signed	Expiration Date
Tipton Environmental International, Inc.	Biomass concentrator reactor	2/12/2004	2/9/2007
Microbac	Method of identifying and quantifying specific fungi and bacteria	3/2/2004	3/2/2016
Healthy Office Co. UK Ltd.	Method of identifying and quantifying specific fungi and bacteria	6/15/2004	6/15/2016
Analytical Engineering	Exhaust Aftertreatment System and Method for and Internal Combustion Engine	6/29/2004	9/1/2007
CENAS AG	Method of Identifying and Quantifying Specific Fungi and Bacteria	6/29/2004	6/29/2009
Engineering and Fire Investigations (EFI)	Method of Identifying and Quantifying Specific Fungi and Bacteria	9/17/2004	12/20/2005
Navistar (formerly International Truck & Engine Co.)	Heavy duty hydraulic hybrid drive vehicles	10/29/2004	Expiration of licensed patents
Ford Motor Company	Low Emission, Diesel-Cycle Engine; Controlled Temperature Combustion Engine	2/15/2005	7/24/2009
Mycometrics formerly Quality Microbiology Services	Method of identifying and quantifying specific fungi and bacteria	5/9/2005	5/7/2013
Molecular World Inc.	Method of identifying and quantifying specific fungi and bacteria	6/10/2005	6/10/2010
Metal Alloy Reclaimers, Inc (Metaloy)	Process for reduction of inorganic contaminants from waste streams	1/6/2006	1/6/2018
BorgWarner Inc.	Multi-Stage Turbocharging System with Efficient Bypass, Efficient Bypass Valve for multi-stage Turbocharging System	2/6/2006	7/1/2025
AEMTEK, Inc.	Method of Identifying and Quantifying Specific Fungi and Bacteria	12/8/2006	12/8/2014
Tisch Environmental, Inc.	Particle matter sampling method and sampler with a virtual impactor particle concentrator	4/3/2007	4/3/2017
Roche Diagnostics	Methods for isolation and using fungal hemolysins	5/22/2007	6/13/2020
Assured Biotechnology Corporation (formerly Clean Air Labs)	The Method of Identifying and Quantifying Specific Fungi and Bacteria	7/20/2007	7/20/2010
Neogen Corporation	Processes for the detection of E. coli and total coliform	8/31/2007	8/31/2012
Battelle Energy Alliance, LLC	Systems and Methods for Concentrating Substances in Fluid Samples	12/6/2007	4/2/2027
Membrane Technology and Research, Inc. (MTR)	Separation Process using Pervaporation and Dephlegmation	1/8/2008	6/2/2022

Name	Area of Tech Transfer	Date Signed	Expiration Date
F. Hoffmann-LaRoche Ltd	Method of Identifying and Quantifying Specific Fungi and Bacteria	10/1/2008	10/1/2013
Hach Company	E.Coli and Total Coliform	10/15/2008	10/15/2011
Sheppard Co., Inc.	Power steering system; on-demand brake system	5/20/2009	Expiration of licensed patents
Micrology Laboratories, LLC	Membrane filter agar medium for detection of total coliforms and E. coli	11/13/2009	Expiration of licensed patents
Oakland Technology, LLC	Hydraulic components; methods of vehicle operation	1/20/2011	Expiration of
VeruTEK Technologies, Inc.	Green synthesis of nanometals	3/9/2011	3/9/2013
Microbial Insights, Inc.	Species specific primer sets	3/29/2011	3/29/2016
Univ. of California Santa Barbara (UCSB)	Species specific primer sets	5/31/2011	5/30/2012
Stanford University CA	Species specific primer sets	6/1/2011	6/1/2012
Southern California Coastal Water Research Project (SCCWRP)	Species specific primer sets	6/13/2011	6/13/2012

CRADAs Active 2008-2011 at EPA

Partner Name	Area of Tech Transfer	Type	Duration (yrs)
Abotex Enterprises, Ltd.	MTA	MTA	1
Advanced Industrial Science and Technology (AIST) Research Institute of Science for Safety and Sustainability (RISS)	MTA	MTA	1
Advanced Chemistry Development, Inc. (ACD/Labs)	MTA	MTA	1
Aerodyne Research Inc.	Mobile source emissions testing	CRADA	2
Agilent Technologies, Inc.	perfluorinated compounds (PFCs) in water	CRADA	6.1
Air Burners, LLC	Air Sampler-portable	CRADA	0.8
Albert-Ludwigs-Universitat Freiburg	MTA	MTA	1
Altair Nanotechnologies Inc. (Altairnano)	Dermal absorption of TiO2 and LiTiO	CRADA	2
Aluminum Association Inc. Environmental Research and Education Foundation (Al Dross)	Landfill gas emissions and control tech	CRADA	3
American Air Liquide, Inc.	oxy-coal combustion for carbon capture	CRADA	5
AmsterChem	Software development	CRADA	3
APM Terminals North America, Inc.	Hydraulic Hybrid Vehicles	CRADA	4
Applied Minerals, Inc.	Clay mineral oil sorption	CRADA	5
Aruna Biomedical Inc., Aruna Biomedical Inc.	MTA	MTA	1
Astellas Pharma Inc.	MTA	MTA	1
Axion BioSystems	Toxicity testing using microelectrode array	CRADA	1
BASF SE	MTA	MTA	1
BioDetection Systems B.V. (BDS)	MTA	MTA	1
Biolog, Inc.	MTA	MTA	1
Bioquell, Inc.	MTA	MTA	1
Bioseek, Inc.	MTA	MTA	1
Brechtel Manufacturing, Inc. (BMI)	Particulate matter measurement	CRADA	5
British Columbia Cancer Agency Branch	MTA	MTA	1
Bull and Associates, Inc.	MTA	MTA	1
Cambridge Cell Networks Ltd. St. John Innovation Centre	MTA	MTA	1
Camp Dresser & McKee Inc.	Guidelines for water reuse	CRADA	2
Carmel Elementary School	Arsenic removal	CRADA	1.3
Cellumen, Inc.	MTA	MTA	1

Partner Name	Area of Tech Transfer	Type	Duration (yrs)
CellzDirect Incorporated	MTA	MTA	1
Centers for Disease Control and Provention	MTA	MTA	3.4
Chrysler Group LLC	Hydraulic Hybrid Vehicles	CRADA	3
Ciba Corporation	Triclosan exposure	CRADA	2
Clarkson University and Tisch Environmental	Particulate matter sampler	CRADA	1
Clinton Christian School	Arsenic removal	CRADA	1.3
Cole Environmental, Inc.	MTA	MTA	1
College of Engineering and Science, Louisiana Tech University	MTA	MTA	1
Colorado Department of Public Health and Environment	Mobile source emissions	CRADA	2
Covanta Energy Corporation	Landfill gas emissions and control tech	CRADA	5
Danisco A/S	MTA	MTA	1
David Gallagher, Open Tox Consortium	MTA	MTA	1
Delphi Automotive Systems	Hydraulic Hybrid Vehicles	CRADA	3
DHS Science and Technology Directorate, Science and Technology Directorate	MTA	MTA	1
DiscovereRX Corporation	MTA	MTA	1
Douglas Connect GmbH	MTA	MTA	1
Dow Chemical Company	MTA	MTA	1
Dow Chemical Co.	MTA	MTA	1
Drexel University College of Medicine	MTA	MTA	1
Duke University (CEINT)	MTA	MTA	1
DuPont	MTA	MTA	1
DzymeTech, Inc.	MTA	MTA	1
Elgin Sweeper Company	Permeable parking lot cleaning	CRADA	3
EMSL Analytical, Inc.	Contaminated oil-wastewater	CRADA	5
Endogenics, Inc.	MTA	MTA	1
Environment Canada (EC)	Vehicle improvement technology	CRADA	3
Environmental Research Consortium (ERC) (DaimlerChrysler, Ford Motor Company, GM), Haagen-Smit Lab (CA Air Resources Board - CARB)	Vehicle emissions	CRADA	5.1
ESCA Tech, Inc.	MTA	MTA	1

Partner Name	Area of Tech Transfer	Type	Duration (yrs)
European Commission Joint Research Centre	MTA	MTA	1
Exponent, Inc. Health Practice	MTA	MTA	1
F-Cubed LLC	Water monitoring	CRADA	2
Faculty of Pharmacy UJCM	MTA	MTA	1
Federal Institute for Risk Assessment (BfR)	MTA	MTA	1
FMC Corporation	MTA	MTA	1
Food and Drug Administration	MTA	MTA	1
Food Standards Agency David Parker	MTA	MTA	1
Fraunhofer-Gesellschaft	MTA	MTA	1
Fraunhofer Gesellschaft	MTA	MTA	1
Genedata Inc.	MTA	MTA	1
GeneGo Inc. 500 Renaissance Drive, Suite 106	MTA	MTA	1
General Electric Intelligent Platform	Drinking water treatment plants	CRADA	3
Geneseo Hills HOA	Arsenic removal	CRADA	1.3
Gentronix Corp	MTA	MTA	1
GlaxoSmith Kline (NCCT)	MTA	MTA	1
GlaxoSmith Research & Development Limited	MTA	MTA	1
Harmsco Filtration Products	Safe Drinking Water clean-up	CRADA	1
Harvard University	MTA	MTA	1
HazTech Systems, Inc.	MTA	MTA	1
Helmholtz Zentrum Munchen	MTA	MTA	1
Hepregen Corporation	MTA	MTA	1
Hoffmann-LaRoche Inc.	MTA	MTA	1
Hot Spring Trailer Court	Arsenic removal	CRADA	1.3
Houston-Galveston Area Council (HGAC)	Mobile source emissions testing	CRADA	3
Hybrivet Systems, Inc.	MTA	MTA	1
Ideaconsult Ltd.	MTA	MTA	1
Imperial College of Science	MTA	MTA	1
In Silio toxicology	MTA	MTA	1
Indiana University	MTA	MTA	1
Indiana University	Method & apparatus for altering ionic interactions with magnetic fields	CRADA	2.3

Partner Name	Area of Tech Transfer	Type	Duration (yrs)
Industrial Test Systems, Inc.	MTA	MTA	1
Industrial Test Systems, Inc.	MTA	MTA	1
Institute of Biomedical Chemistry of Russian Acad. Med. Sci.	MTA	MTA	1
Institute of Biomedical Sciences East China Normal University	MTA	MTA	1
Institute of Occupation Medicine (IOM)	MTA	MTA	1
Inverness Medical Technology, Inc.	Male factor infertility	CRADA	2
Invitrogen Corporation	MTA	MTA	1
Invitrogen Corp.	MTA	MTA	1
Istituto Superiore Di Sanita	MTA	MTA	1
Jawaharlal Nehru University	MTA	MTA	1
Korea National Institute of Environmental Research	MTA	MTA	1
Las Vegas Valley Water District	Drinking water treatment plants	CRADA	3
Leadscope, Inc	MTA	MTA	1
Lhasa Limited	MTA	MTA	1
Life Technologies Corporation	MTA	MTA	1
Louisiana Tech. University	MTA	MTA	1
Mario Negri Istituto di Ricerche Farmacologiche	MTA	MTA	1
Massachusetts Institute of Technology	MTA	MTA	1
Max Planck Institute for Molecular Genetics (MPIMG)	MTA	MTA	1
Membrane Technology & Research, Inc. (MTR)	VOC separation-groundwater-wastewater	CRADA	6
Merck & CO Inc.	MTA	MTA	1
Metanomics GmbH, Metanomics GmbH Tegeler Weg 33	MTA	MTA	1
Michigan State University	MTA	MTA	1
Molecular Networks GmbH	MTA	MTA	1
NanoLogix, Inc.	Drinking water treatment plants	CRADA	2.5
National Institute for Public Health and the Environment, RIVM	MTA	MTA	1
National Technical University of Athens	MTA	MTA	1
Natural Resources Canada (NRCan)	Energy efficiency tool for buildings	CRADA	4.5
New York State Energy Research Development Agency	Emissions determination	CRADA	4.2
New Jersey Dept. of Environmental Protection	Hydraulic hybrid	CRADA	4

Partner Name	Area of Tech Transfer	Type	Duration (yrs)
North Carolina State University	MTA	MTA	1
NovaScreen Biosciences Corp.	MTA	MTA	1
Oakland Technology, LLC	Hydraulic Hybrid Vehicles	CRADA	3
Ohio State University	MTA	MTA	1
Oregon State University	MTA	MTA	1
PerkinElmer Health Sciences, Inc.	Nanotechnology	CRADA	2
Pfizer Inc,	MTA	MTA	1
PolyOne Corporation	MTA	MTA	1
Princeton University	MTA	MTA	1
Procter & Gamble Company	Interspecies Correlation Estimation models	CRADA	5
Puracyp Inc.	MTA/license	MTA	20
RegeneMed, Inc.	MTA	MTA	1
RFHEE American Chemistry Councils Chlorine Chemistry Division	Emissions determination	CRADA	1
Rockefeller University	MTA	MTA	1
R.H. Sheppard, Co	Power steering & power brake systems	CRADA	2
SA Biosciences Corporation	MTA	MTA	1
Saint Petersburg State Polytechnical University (SPbSPU)	MTA	MTA	1
Sanofi-Aventis	MTA	MTA	1
SAS Institute Inc	MTA	MTA	1
SCAQMD	Hydraulic Hybrid Vehicles	CRADA	3
Seascape Learning Co, Pvt. Ltd. Inc	MTA	MTA	1
Seely-Brown Village	Arsenic removal	CRADA	1.3
Silver Lake Research Corporation	Lead test kit	MTA	1
Silver Lake Research, Inc.	MTA	MTA	1
Simulations Plus, Inc.	MTA	MTA	1
Society of Toxicology	neuroprogenitor cells	CRADA	3
Solidus Biosciences, Inc.	MTA	MTA	1
Solidus Biosciences, Inc.	MTA	MTA	1
Stemina Toxcast	MTA	MTA	1
Summit Toxicology, LLP	MTA	MTA	1
Sunset Laboratories	Aerosol sampler	CRADA	2

Partner Name	Area of Tech Transfer	Type	Duration (yrs)
Syngenta Crop Protection, Inc.	MTA	MTA	1
Technical Database Services, Inc.	Software tool - cleaner manufacturing	CRADA	5
Technische Universitat Munchen	MTA	MTA	1
Terry Valley Trojan Water Project District	Arsenic removal	CRADA	1.3
Texas A&M Health Science Center	MTA	MTA	1
The Ford Foundation (MCRADA)	Contaminated soils	Materials CRADA	1
TNO Pharmacokinetics	MTA	MTA	1
Toxicogenomic Informatics and Solutions, LLC	MTA	MTA	1
UFZ	Sustainability assessment tool (SMARTe)	CRADA	3
UMDNJ- Robert Wood Johnson Medical School	MTA	MTA	1
University of Dayton OH	Green synthesis of nanoparticles	CRADA	5
University of New South Wales	Zero valent iron remediation	CRADA	4
University of Texas Austin	MTA	MTA	1
University of California at Berkeley	MTA	MTA	1
University of California at Irvine	MTA	MTA	1
University of California Los Angeles	MTA	MTA	1
University of Cincinnati, Big Fish Environmental LLC	Biomass concentrator reactor	CRADA	1
University of Houston	MTA	MTA	1
University of Insubria Varese Italy	MTA	MTA	1
University of Kansas	MTA	MTA	1
University of Massachusetts Lowell	MTA	MTA	1
University of North Carolina	MTA	MTA	1
Univ. of North Carolina School of Public Health	MTA	MTA	1
URS GROUP, Inc.	Wet weather flow physical-chemical treatment process	CRADA	3
U.S. Geological Survey (USGS), YSI, Abraxis, Neptune, Tennessee Tech Univ	Nat'l Environmental Methods Index	CRADA	3
VeruTEK Technologies, Inc.	Inorganic contaminants in waste streams	CRADA	5
Village of Waynesville	Arsenic removal	CRADA	1.3
Wadsworth Center, NYS DOH	MTA	MTA	1
Watchfrog S.A.	MTA	MTA	1

Partner Name	Area of Tech Transfer	Type	Duration (yrs)
Watchfrog S.A.	MTA	MTA	1
Water Environment Federation,Water Environment Research	Sludge management	CRADA	1.2
Waters Corporation Region 5	LC/MS methods	CRADA	2
Waters Corporation (NERL CRADA)	Collection and analysis method for pharmaceuticals in fish tissue	CRADA	3
WiCell Research Institute, Inc.	MTA	MTA	1
Zygogen, LLC 520 Kell Hall	MTA	MTA	1

MTA = Materials Transfer Agreement (research materials are transferred within a year, no collaboration)

NO CHARGE

COST WORKSHEET FOR FOIA REQUEST

#HQ-FOI-01086-12

Fill Out Part 2 EVEN if requester was not billed. Please complete and submit to ORD FOIA Coordinator with copy of FOIA response letter, and Bill of Collection (if any).

1. Use this table to figure **FOIA billable charges** to requester

Costs: Clerical Staff - $4.00/15 minutes
Professional Staff - $7.00/15 minutes
Manager=s Time - $10.25/15 minutes
Photocopies: $.15/page (double-sided $.30)
Authentication: $25.00

Guidelines:

No Fee Charged for < = $14.00
Bills sent between $14.01-25.00, no payment assurance required
Written Assurance of payment from requester for amounts >$25.00, then billed

Time	Amount $	Task
		Search
		Review
		# of Photocopies - ($.15/page - Color Copies Extra)
		Cost of UPS Overnight
		Computer System Time
		Authentication (Done by OGC)
TOTAL TIME =	**$**	

2. Use this table to figure **administrative costs** to Agency.

Administrative cost figured in **one-minute increments** x **employee salary** - **FOR ALL EMPLOYEES INVOLVED IN RESPONDING TO FOIA. These costs NOT BILLED to requester**.

Time	Amount $	Task
KG: 15 min PP: 15 min JS: 15 min SB: 15 min	$13.68 $16.31 $17.30 $13.68	Initially read FOIA
KG: 12 hours RP: 24 hours	$656.28 $885.84	Search & Review (increased time due to conversion of data and inputting/updating information into new FTTA database)
		Photocopying time/costs ($.15/page)
		Authentication
		Phone call(s) to REQUESTER
PP: 15 min	$16.31	Phone calls to FOIA Office, colleagues, attorneys
KG: 30 min	$27.36	Typing & proofing letter/envelope

KG: 15 min **JS: 30 min** **AS: 15 min**	$13.68 $34.60 $37.26	Proof & Sign FOIA + **ALL** Concurrences
EL: 30 min	$ 9.75	Other@ time spent on FOIA
		Computer Time/Programming Costs
		Maps/Disks/CD ROM, Photos, Etc. Costs
		Approx. Mailing/Postage Costs ($.37 per 4pgs. + $.23 per add=l. ounce)
		Preparer's Name/Mail Code:
TOTAL	**$** 1,673.37	Patricia Palmer/8106R