



Superfund Basic Research Program

Research/Outreach at Hazardous Waste Sites



NIEHS
National Institute of
Environmental Health Sciences

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EPA Region	Site Name & Location	Program	Project Title	Principal Investigator	On-going Work?	Research Category*
1	18 SF sites in State of New Hampshire	Dartmouth College	Arsenic Epidemiology, Biomarkers and Exposure	Margaret Karagas	Yes	G
1	18 SF sites in State of New Hampshire	Dartmouth College	Sources, Transport and Fate of Arsenic in Groundwater	Joel Blum	No	F
1	Berlin NH	Dartmouth College	Trophic Transfer of Toxic Metals in Aquatic Food Webs	Celia Chen, Carol Folt	Yes	F
1	Centredale Manor Restoration Project - North Providence, RI	Brown University	University-Community Partnerships to Address Local Toxic Contamination	Phil Brown	Yes	I
1	Coakley Landfill, Coakley NH	Dartmouth College	Sources, Transport and Fate of Arsenic in Groundwater	Carl E. Renshaw	No	A, F
1	Elizabeth Mine - Strafford, VT	Dartmouth College	Arsenic as an Endocrine Disrupter	Joshua Hamilton	No	N/A
1	Elizabeth Mine - Strafford, VT	Dartmouth College	Arsenic Epidemiology, Biomarkers and Exposure	Margaret Karagas	No	N/A
1	Elizabeth Mine - Strafford, VT	Dartmouth College	Outreach Core	Nancy Serrell	No	I
1	Elizabeth Mine - Strafford, VT	Dartmouth College	Research Translation Core	Nancy Serrell	No	
1	Elizabeth Mine - Strafford, VT	Dartmouth College	Trophic Transfer of Toxic Metals in Aquatic Food Webs	Celia Chen, Carol Folt	No	N/A
1	Former Jo Whiten Co. Winchester, MA	Dartmouth College	Variation in Bioaccumulation and Biomagnification of Metals in Lakes throughout the Northeastern Region of the U.S.A.	Carol Folt	No	N/A
1	George Lay Property Merrimack, NH	Dartmouth College	Variation in Bioaccumulation and Biomagnification of Metals in Lakes throughout the Northeastern Region of the U.S.A.	Carol Folt	No	N/A

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1	Loring Air Force Base - Limestone, ME	University of California at Berkeley	Thermally Enhanced Soil and Groundwater Remediation	Kent Udell	No	C
1	New Bedford Harbor Coast Guard Removal - New Bedford, MA	Boston University	CYP Genes and Developmental Toxicity	John J. Stegeman	Yes	A, J
1	New Bedford Harbor Coast Guard Removal - New Bedford, MA	Boston University	Estrogen Receptor- AhR Interactions in the CNS	Gloria Callard	Yes	A, H
1	New Bedford Harbor Coast Guard Removal - New Bedford, MA	Boston University	Mechanisms and Impacts of Dioxin Resistance in Fish	Mark Hahn	Yes	A, J
1	Otis Air National Guard/Camp Edwards Falmouth, MA	Boston University	Developmental Neurotoxicity of Xenoestrogens in Zebrafish	Gloria Callard	Yes	A
1	Otis Air National Guard/Camp Edwards Falmouth, MA	Boston University	Endocrine/Reproductive Disruption by Ground & Surface Waters	Ian Callard	Yes	A, H
1	Picatinny Arsenal, NJ	Michigan State University	PCB Bioremediation Strategies and Potential Intermediates of Toxicological Significance	James Tiedje	Yes	D
1	Otis Air National Guard/Camp Edwards Falmouth, MA	Boston University	Detecting and Analyzing Patterns in Spatial Data	Tom Webster	Yes	E, G
1	Sites in Concord NH	Dartmouth College	Arsenic Epidemiology, Biomarkers and Exposure	Margaret Karagas	Yes	G
1	SRSNE, Hartford, CT - Hartford, CT	University of California at Berkeley	Thermally Enhanced Soil and Groundwater Remediation	Kent Udell	No	C
1	Winthrop Landfill, Winthrop ME	Columbia University	Mobilization of Anthropogenic As in Groundwater Redistribution of Arsenic and Other Contaminants at Sites in NJ and Maine	H. James Simpson	Yes	N/A
1	Woods Pond, Pittsfield, MA	Michigan State University	PCB Bioremediation Strategies and Potential Intermediates of Toxicological Significance	James Tiedje	Yes	D

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2	American, Cyanamid, Bound Brook, NJ	Michigan State University	Processes Influencing the Natural Attenuation of Organic Contaminant Plumes: Transport, Enzymatic Regulation and Microbial Transformation Rates in Flowing Groundwater Systems	Jerome Kukor	Yes	A, B, C
2	Ciba Chemicals, Toms River, NJ	Michigan State University	Processes Influencing the Natural Attenuation of Organic Contaminant Plumes: Transport, Enzymatic Regulation and Microbial Transformation Rates in Flowing Groundwater Systems	Jerome Kukor	Yes	A, B
2	HS7 and HS28, Hudson River, NY	Michigan State University	Molecular Insight into Polyaromatic Toxicant Degradation by Microbial Communities	James Tiedje	Yes	D
2	Hudson River PCBs - Hudson River, NY	Michigan State University	Remediation Product Toxicity Evaluation Core	Stephen Boyd	Yes	A, B, F, H
2	Hudson River PCBs, New York	University of North Carolina, Chapel Hill	The Role of Oxidative Stress in Toxicity and Carcinogenicity	James Swenberg	Yes	A
2	Vineland Chemical Co., Inc. Vineland, NJ	Columbia University	Mobilization of Anthropogenic As in Groundwater	H. James Simpson	Yes	N/A
3	Atlantic Wood Portsmouth, VA wood preserving	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
3	Atlantic Wood Site, Elizabeth River, Norfolk, VA	Boston University	Mechanisms and Impacts of Dioxin Resistance in Fish	Mark Hahn	No	A, J
3	Atlantic Wood Site, Elizabeth River, Norfolk, VA	Duke University	Fate, Transport, and Exposure Risk of Superfund Chemicals	Richard Di Giulio	No	A, H, F, B
3	Atlantic Wood Site, Elizabeth River, Norfolk, VA	Duke University	Markers for Chemical Mixtures in Fundulus heteroclitus	Richard Di Giulio	Yes	A, H, F, B
3	Atlantic Wood Site, Elizabeth River, Norfolk, VA	Duke University	Mechanism and Impacts of Dioxin Resistance in Fish	Mark. Hahn	No	A, J

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3	Ciba-Giegy Corp. Site - Philadelphia, PA	University of North Carolina at Chapel Hill	DNA Adducts as Biomarkers of Exposure and Effect	James Swenberg	No	J
3	Drake Chemical Loch Haven, PA (pesticides)	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
3	Iacavazzi Landfill Scranton, PA (mixed industrial)	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
3	Metals, PNAs, PCBs**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
3	Mixed industrial**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
3	Municipal**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
3	Pesticides**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
4	Cape Fear Fayetteville, NC wood preserving	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
4	Cherry Point Marine Corps Air Station - Havelock, NC	University of North Carolina at Chapel Hill	A Holistochastic Approach to Human Exposure Assessment	George Christakos	No	E, F, G, J
4	Ciba-Giegy Corp.(McIntosh Plant) - McIntosh, AL	University of North Carolina at Chapel Hill	Bioavailability and Biodegradation of Polycyclic Aromatic Hydrocarbons	Michael Aitken	No	B
4	Ciba-Giegy Corp.(McIntosh Plant) - McIntosh, AL	University of Washington	Wildlife Biomarker Applications to Remediation Decision Making	Michael Hooper, George Cobb, Scott McMurry	No	A, E, F, H
4	FCX, Inc. (Washington Plant) Washington, Beaufort County, NC	Duke University	Markers for Chemical Mixtures in Fundulus heteroclitus	Richard Di Giulio	No	N/A

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4	FCX, Inc. (Washington Plant) Washington, Beaufort County, NC	Duke University	Microbial and Photolytic Transformations of Superfund	Richard Di Giulio	No	N/A
4	Geiger Site, Charleston County, SC	University of Washington	Wildlife Biomarker Applications to Remediation Decision Making	Michael Hooper	No	A, F, H
4	Georgia-Pacific Hardwood Sawmill, Plymouth, Washington County, NC	Duke University	Developmental Effects of Superfund Hydrocarbon Mixtures in Fundulus heteroclitus	Richard Di Giulio	No	N/A
4	Georgia-Pacific Hardwood Sawmill, Plymouth, Washington County, NC	Duke University	Fate, Transport, and Exposure Risk of Superfund Chemicals	Richard Di Giulio	No	N/A
4	Koppers Company, Inc. (Morrisville Plant) - Morrisville, NC	University of North Carolina at Chapel Hill	Molecular Epidemiology Core	Irva Hertz-Picciotto	No	G
4	LCP Chemical Brunswick, GA	Michigan State University	Development of Novel Bioassay/Biomarker Systems for Detection of Estrogen Agonists in Complex Mixtures	John Giesy	No	A, F, H
4	National Electric Coil/Cooper Industries - Dayhoit, KY	University of Kentucky	Superfund Community Action Through Nutrition (SCAN)	Lisa Gaetke	Yes	I
4	Olin Corporation, McIntosh, AL	University of Washington	Wildlife Biomarker Applications to Remediation Decision Making	Michael Hooper, George Cobb, Scott McMurry	No	A, E, F, H
4	Paducah Gaseous Diffusion Plant (USDOE) - Paducah, KY	University of Kentucky	Destruction of TCE Using Oxidative and Reductive Pathways as Potential In-Situ Treatments for Contaminated Paducah Groundwater	Dibakar Bhattacharyya	Yes	B, C
4	Paducah Gaseous Diffusion Plant (USDOE) - Paducah, KY	University of Kentucky	Outreach Core	Lisa Gaetke	Yes	I
4	Paducah Gaseous Diffusion Plant (USDOE) - Paducah, KY	University of Washington	Outreach Core	Lisa Gaetke	No	I
4	Paducah Gaseous Diffusion Plant (USDOE) - Paducah, KY	University of Washington	Wildlife Applications to Remediation Decision-Making	Michael Hooper, George Cobb, Scott McMurry	No	A, E, F, H

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4	Savannah River Site (SRS) - Aiken, SC	University of California at Berkeley	Assessment of Natural Bioattenuation of PCE and TCE	Angela Lindner	No	A, C
4	Savannah River Site (SRS) - Aiken, SC	University of California at Berkeley	Thermally Enhanced Soil & Groundwater Remediation	Kent Udell	No	C
4	Savannah River Site (USDOE) - Aiken, SC	University of California at Berkeley	Thermally Enhanced Soil and Groundwater Remediation	Kent Udell	No	C
4	Wood preserving 1 **	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
4	Wood preserving 2 **	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
5	Allied Paper, Inc./Portage Creek/ Kalamazoo - Kalamazoo, MI	Michigan State University	Factors Controlling the Environmental Mobility, Microbial Transformation and Toxicity of Mixed Non-Aqueous Phase Liquids and Exposed Soils/Sediments	Weber, Walt	Yes	A
5	Allied Paper, Inc./Portage Creek/ Kalamazoo - Kalamazoo, MI	Michigan State University	Molecular Insight into Polyaromatic Toxicant Degradation by Microbial Communities	James Tiedje	Yes	D
5	Coal tar**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
5	Drum Storage Area (pesticides)**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
5	Du Quoin Du Quoin, IL (coal tar)	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
5	East Chicago City Dump East Chicago, IN	Iowa	Atmospheric Sources of PCB Congeners	Keri Hornbuckle	No	N/A
5	East Chicago City Dump East Chicago, IN	Iowa	Characterization of Exposures of Urban and Rural Cohorts to Airborne PCBs	Peter Thorne	No	N/A

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5	Energy Cooperative Incorporated East Chicago, IN	Iowa	Atmospheric Sources of PCB Congeners	Keri Hornbuckle	Yes	F, G
5	Energy Cooperative Incorporated East Chicago, IN	Iowa	Characterization of Exposures of Urban and Rural Cohorts to Airborne PCBs	Peter Thorne	Yes	F, G
5	Federal Marine Terminal Site, MI	Michigan State University	Development of Novel Bioassay/Biomarker Systems for Detection of Estrogen Agonists in Complex Mixtures	John Giesy	No	A, F, H
5	Indiana Pallet East Chicago, IN	Iowa	Atmospheric Sources of PCB Congeners	Keri Hornbuckle	No	N/A
5	Indiana Pallet East Chicago, IN	Iowa	Characterization of Exposures of Urban and Rural Cohorts to Airborne PCBs	Peter Thorne	No	N/A
5	Jennison-Wright East St. Louis, IL (wood preserving)	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
5	Joliet Army Joliet, IL (munitions)	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A, C
5	Kerr-Mcgee: Reed-Keppler Park West Chicago, IL	Iowa	Atmospheric Sources of PCB Congeners	Keri Hornbuckle	No	N/A
5	Kerr-Mcgee: Reed-Keppler Park West Chicago, IL	Iowa	Characterization of Exposures of Urban and Rural Cohorts to Airborne PCBs	Peter Thorne	No	N/A
5	Kerr-Mcgee: Residential Areas West Chicago IL	Iowa	Atmospheric Sources of PCB Congeners	Keri Hornbuckle	No	N/A
5	Kerr-Mcgee: Residential Areas West Chicago IL	Iowa	Characterization of Exposures of Urban and Rural Cohorts to Airborne PCBs	Peter Thorne	No	N/A
5	Kerr-Mcgee: Sewage Treatment Plant West Chicago IL	Iowa	Atmospheric Sources of PCB Congeners	Keri Hornbuckle	No	N/A

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5	Kerr-Mcgee: Sewage Treatment Plant West Chicago IL	Iowa	Characterization of Exposures of Urban and Rural Cohorts to Airborne PCBs	Peter Thorne	No	N/A
5	Landfill (PCBs)**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
5	Landfill (pesticides)**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
5	Mississinewia River Union City, IN	Michigan State University	Molecular Insight into Polyaromatic Toxicant Degradation by Microbial Communities	James Tiedje	Yes	D
5	Munitions 1**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
5	Munitions 2 **	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
5	Pesticide Disposal**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
5	Pointe Mouillee confined disposal facility, Detroit, MI	Michigan State University	Factors Controlling the Environmental Mobility, Microbial Transformation and Toxicity of Mixed Non-Aqueous Phase Liquids and Exposed Soils/Sediments	Walt Weber	Yes	A, B
5	Saginaw River, Saginaw, MI	Michigan State University	Factors Controlling the Environmental Mobility, Microbial Transformation and Toxicity of Mixed Non-Aqueous Phase Liquids and Exposed Soils/Sediments	Walt Weber	Yes	A
5	Savanah Army Depot Savanah, IL (munitions)	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
5	Scouter Pond, Kalamazoo, MI	Michigan State University	Factors Controlling the Environmental Mobility, Microbial Transformation and Toxicity of Mixed Non-Aqueous Phase Liquids and Exposed Soils/Sediments	Walt Weber	Yes	A
5	U.S. Smelter and Lead Refinery, Inc. East Chicago, IN	Iowa	Atmospheric Sources of PCB Congeners	Keri Hornbuckle	No	N/A

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5	U.S. Smelter and Lead Refinery, Inc. East Chicago, IN	Iowa	Characterization of Exposures of Urban and Rural Cohorts to Airborne PCBs	Peter Thorne	No	N/A
5	Velicol Chemical Superfund Site, St. Louis, MI	Michigan State University	Remediation Product Toxicity Evaluation Core	Stephen Boyd	Yes	A, B, F, H
5	Wood preserving 3 **	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
6	Abandoned refinery (PNAs and lead)**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
6	Baldwin Waste Oil Kingsville, TX (petroleum/pesticides)	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A, H
6	Dept. of Energy *** (explosives)	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
6	Marine Facility (PNAs)**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
6	McBay Oil Grapeland, TX (petroleum)	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A, H
6	Oil reclamation (PNAs)**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
6	Solvent recovery (PAHs and pesticides)**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
6	Solvent Recovery Service Rosharon, TX (petroleum)	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A, H

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*** There are 71 hazardous waste sites on base

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6	Solvents and metals**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
6	State Marine Port Arthur, TX (Petroleum)	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
6	Tar Creek, Miami, OK	Columbia University	Bioavailability of Soil PB and AS in Humans	Conrad Blum	No	N/A
6	Texarkana Wood Texarkana, TX (wood preserving)	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A, H
6	Wood preserving 4 **	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
6	Wood preserving 5 **	Texas A&M University	Exposure and Risk Assessment of Complex Mixtures	Kirby Donnelly	Yes	A, H
6	Wood preserving 6 **	Texas A&M University	Exposure and Risk Assessment of Complex Mixtures	Kirby Donnelly	Yes	A, H
7	NGPCA-LETTS-199 HWY 61 3 ½ MI, Columbus Junction, IA 52738	Iowa	Atmospheric Sources of PCB Congeners	Keri Hornbuckle	No	N/A
7	NGPCA-LETTS-199 HWY 61 3 ½ MI, Columbus Junction, IA 52738	Iowa	Characterization of Exposures of Urban and Rural Cohorts to Airborne PCBs	Peter Thorne	No	N/A
7	Oronogo-Duenweg Mining Belt, Jasper County, MO	Columbia University	Bioavailability of Soil PB and AS in Humans	Conrad Blum	No	N/A
7	Reilly Tar & Chemical Corp. (St. Louis Park) - St. Louis Park, MN	University of North Carolina, Chapel Hill	Bioavailability and Biodegradation of Polycyclic Aromatic Hydrocarbons	Frederic Pfaender	Yes	F
7	Times Beach - St. Louis, MO	University of Washington	Wildlife Applications to Remediation Decision-Making	Michael Hooper, George Cobb, Scott McMurry	No	F,H

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8	Anaconda Co. Smelter - Anaconda, MT	University of Washington	Wildlife Applications to Remediation Decision-Making	Michael Hooper, George Cobb, Scott McMurry	No	C, E, F, H
8	Burlington Northern Somers, MT (PAHs)	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
8	Libby Groundwater, Libby, MT	Texas A&M University	Chemical Intervention Strategies	Kirby Donnelly		A, B, F
8	Libby Groundwater, Libby, MT	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	Yes	A, B, F
8	Montana Pole Butte, MT (wood preserving)	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
8	Rocky Mountain Arsenal (USARMY) - Commerce City, CO	University of Washington	Wildlife Biomarker Applications to Remediation Decision Making	Michael Hooper, George Cobb, Scott McMurry	No	A, E, F, H
8	Wood preserving (PNAs and PCP) 1 **	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
9	Aerojet General Corp. - Rancho Cordova, CA	University of California, Davis	Epidemiology Studies	Ellen Gold	Yes	G
9	Aerojet General Corp. - Rancho Cordova, CA	University of California, Davis	Transport, Transformation and Remediation of Perchlorate and VOC's in the Vadose Zone and Groundwater	Dennis Rolston	Yes	B, D, F
9	Alameda Naval Station	University of California at Berkeley	Historical Exposure Assessment	James Hunt	Yes	A
9	Apache Powder, NPL Superfund site - Benson, AZ	University of Arizona	Biosurfactant-Enhanced in Situ Metal Remediation	Raina Maier	No	A, B
9	Apache Powder, NPL Superfund site - Benson, AZ	University of Arizona	Remediating Mine Waste Products	Martha Conklin	No	A, B

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9	Avra Valley - Avra Valley, AZ	University of Arizona	Electrochemical Remediation of Arsenic and Chromium	James Farrell	No	A, B
9	Broadway-Pantano Landfill, Tucson, AZ	University of Arizona	New Technologies for the Remediation of Halogenated Organics	Robert Arnold Eric Betterton,	Yes	A, B, C
9	Broken Hill - San Manuel, AZ	University of Arizona	Biosurfactant-Enhanced in Situ Metal Remediation	Raina Maier	No	A, B
9	Camp Navajo (Army depot) DOD site - Belmont, AZ	University of Arizona	Biosurfactant-Enhanced in Situ Metal Remediation	Raina Maier	No	A, B
9	Camp Navajo (Army depot) DOD site - Belmont, AZ	University of Arizona	Gene Enhanced Remediation of Co-Contaminated Soils	Ian Pepper	No	A, B
9	Carson River Mercury Site, Carson City, NV	University of Washington	Wildlife Biomarker Applications to Remediation Decision Making	Michael Hooper, George Cobb, Scott McMurry	No	A, F, H
9	Central Arizona Project Headquarters, Phoenix, AZ	University of Arizona	Biosurfactant-Enhanced In Situ Metal Remediation	Raina Maier	No	A, C, F
9	City of Tucson Fuel Depot, Tucson, AZ	University of Arizona	Bioavailability & Remediation of Complex DNAPLs	Mark Brusseau	No	A, F
9	City of Tucson Fuel Depot, Tucson, AZ	University of Arizona	Bioavailability, Soil Heterogeneity, and In-Situ Biodegradation of Organic Contaminants	Mark Brusseau	No	N/A
9	Edwards Air Force Base - Kern County, CA	University of California, Davis	Transport, Transformation and Remediation of Perchlorate and VOC's in the Vadose Zone and in Groundwater	Dennis Rolston	Yes	A, B, H
9	El Camino del Cerro Landfill WQARF Site - Tucson, AZ	University of Arizona	Mass-Transfer Dynamics of Chlorinated-Solvent Immiscible Liquids in Porous Media	Mark Brusseau	No	F
9	El Camino del Cerro Landfill WQARF Site - Tucson, AZ	University of Arizona	New Technologies for the Remediation of Halogenated Organics	Robert Arnold	Yes	F

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EPA Region	Site Name & Location	Program	Project Title	Principal Investigator	On-going Work?	Research Category*
9	Farmer's Water Company - Sahuarita, AZ	University of Arizona	Electrochemical Remediation of Arsenic and Chromium	James Farrell	No	A, B, C
9	Frontier Fertilizer - Davis, CA	University of California, Davis	Development and application of integrated cell-based bioassays	Michael Denison	No	A
9	Frontier Fertilizer - Davis, CA	University of California, Davis	Development and implementation of immunoassays for human and environmental monitoring	Bruce Hammock	No	A
9	Frontier Fertilizer - Davis, CA	University of California, Davis	Development of Rapid, Miniaturized Sensors for Use in the Detection of Environmental Toxins	Ian Kennedy	Yes	E
9	Gambonini Mercury Mine - Petaluma, CA	University of California at Berkeley	Historical Exposure Assessment	James Hunt	Yes	A, F
9	GE Moreau Superfund Site - NY	University of Arizona	Bioavailability, Soil Heterogeneity, and In-Situ Biodegradation of Organic Contaminants	Mark Brusseau	No	N/A
9	Harrison Landfill, Tucson, AZ	University of Arizona	Model for Catalytic Reductive Dehalogenation	Robert Arnold	No	
9	Harrison Landfill, Tucson, AZ	University of Arizona	New Technologies for the Remediation of Halogenated Organics	Robert Arnold Eric Betterton	No	A, B, C
9	Klondyke Tailings, WQARF site - Klondyke, AZ	University of Arizona	Phytostabilization of Mine Tailings	Raina Maier	Yes	A, B, C, H, I
9	Klondyke Tailings, WQARF site - Klondyke, AZ	University of Arizona	Remediating Mine Waste Products	Martha Conklin	No	A
9	Lawrence Livermore National Laboratory - Livermore, CA	University of California at Berkeley	Thermally Enhanced Soil and Groundwater Remediation	Kent Udell	No	C
9	Lawrence Livermore National Laboratory - Livermore, CA	University of California at Berkeley	Transport, Transformation, and Remediation of Perchlorate and VOCs in the Vadose Zone and Groundwater	Dennis Rolston		E, F

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9	Lawrence Livermore National Laboratory - Livermore, CA	University of California, Davis	Thermally Enhanced Soil and Groundwater Remediation	Kent Udell	No	C
9	Lawrence Livermore National Laboratory - Livermore, CA	University of California, Davis	Transport, Transformation and Remediation of Perchlorate and VOC's in the Vadose Zone and in Groundwater	Dennis Rolston	Yes	E, F
9	Mare Island Naval Shipyard - Vallejo, CA	University of California at Davis	Aquatic Biomarkers in Site Characterization and Remediation	Dave Hinton	No	A
9	Mare Island Naval Shipyard - Vallejo, CA	University of California at Davis	Training Core	Daniel Chang	No	I
9	McCormick and Baxter - Stockton, CA	University of California at Berkeley	Thermally Enhanced Soil & Groundwater Remediation	Kent Udell	No	C
9	Naval Weapons Station - Seal Beach, CA	University of California at Berkeley	Development of Tools for Monitoring in situ bioremediation	Lisa Alvarez-Cohen	No	C
9	Olive Grove Dross Site Tucson, AZ	University of Arizona	Gene Enhanced Remediation of Co-contaminated Soils	Ian Pepper	No	A, B
9	Pacific Gas and Electric Company Natural Gas Compressor Stations at Hinkley, CA and Topock, AZ.	University of California at Berkeley	Research Translation	James R. Hunt	Yes	J
9	Page Ranch Landfill Tucson, AZ	University of Arizona	Biosurfactant-Enhanced In Situ Metal Remediation	Raina Maier	No	I
9	Page Ranch Landfill Tucson, AZ	University of Arizona	Electrochemical Remediation of Arsenic and Chromium	Jim Farrell	No	I
9	Page Ranch Landfill Tucson, AZ	University of Arizona	Mass-Transfer Dynamics of Chlorinated-Solvent Immiscible Liquids in Porous Media	Mark Brusseau	No	I
9	Page Ranch Landfill Tucson, AZ	University of Arizona	New Technologies for the Remediation of Halogenated Organics	Robert Arnold, Eric Betterton	Yes	I

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9	Page Ranch Landfill Tucson, AZ	University of Arizona	Remediating Mine Waste Products	Martha Conklin	No	I
9	Park- Euclid, WQARF site - Tucson, AZ	University of Arizona	Mass-Transfer Dynamics of Chlorinated-Solvent Immiscible Liquids in Porous Media	Mark Brusseau	Yes	F, I
9	Park-Euclid WQARF Site – Tucson, AZ	University of Arizona	New Technologies for the Remediation of Halogenated Organics	Robert G. Arnold, Eric A. Betterton, Eduardo Saez	Yes	A, B, C, D, F, I
9	Phoenix-area NPL Superfund site	University of Arizona	Bioavailability & Remediation of Complex DNAPLs	Mark Brusseau	No	F
9	Phoenix-area NPL Superfund site	University of Arizona	Bioavailability, Soil Heterogeneity, and In-Situ Biodegradation of Organic Contaminants	Mark Brusseau	No	F, I
9	Pinal Creek, WQARF site - Globe, AZ	University of Arizona	Remediating Mine Waste Products	Martha Conklin	No	A, F, H
9	Saginaw Hill Mine Tailings Site, Tucson, AZ	University of Arizona	Phytostabilization of Mine Tailings	Raina Maier	Yes	I
9	San Francisco Bay - San Francisco Bay, CA	University of Washington	Environmental Stress Indicators for Fish at Superfund Sites: GC-MS and FT-IR Markers of Contaminant-Induced Damage to Gill Tissue	Donald Malins	No	A, J
9	San Pedro River Mine Tailings Site, AZ (Bureau of Land management) - AZ	University of Arizona	Phytostabilization of Mine Tailings	Raina Maier	Yes	A, C, H, I
9	Seal Beach Naval Weapons Sta - Seal Beach, CA	University of California at Berkeley	Development of Tools for Monitoring in Situ Bioremediation	Lisa Alvarez-Cohen		C
9	Silverbell Landfill WQARF site - Tucson, AZ	University of Arizona	Mass-Transfer Dynamics of Chlorinated-Solvent Immiscible Liquids in Porous Media	Mark Brusseau	No	F
9	Silverbell Post Office, Tucson, AZ	University of Arizona	Biosurfactant-Enhanced In Situ Metal Remediation	Raina Maier	No	A, B

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9	Sulphur Bank Mercury Mine - Clearlake, CA	University of California at Davis	Development and Implementation of Immunoassays for Human and Environmental Monitoring	Bruce Hammock	No	A
9	Tucson International Airport Area (TIAA) Superfund Site - Tucson, AZ	University of Arizona	Mass-Transfer Dynamics of Chlorinated-Solvent Immiscible Liquids in Porous Media	Mark Brusseau	Yes	A, B, C, D, F
9	Vulture Mill, AZ WQARF site - Wickenburg, AZ	University of Arizona	Remediating Mine Waste Products	Martha Conklin	No	A
9	Vulture Mill, AZ WQARF site - Wickenburg, AZ	University of Arizona	Transport of Trace Metals in a Polluted Aquifer	Martha Conklin	No	A
10	Coal Creek Seattle, WA (PCBs)	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
10	Coal gasification**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
10	Coeur d'Alene Groundwater Contamination - Coeur d'Alene, ID	University of Arizona	Biosurfactant-Enhanced In Situ Metal Remediation	Raina Maier	No	A, B
10	Commencement Bay, Near Shore/Tide Flats - Hylebos Waterway - Tacoma, WA	University of Washington	Gene-Environment Interactions in Salmon Neurotoxicity	Evan Gallagher	No	A, J
10	Duwamish Waterway	University of Washington	Gene-Environment Interactions in Salmon Neurotoxicity	Evan Gallagher	Yes	N/A
10	Eagle Harbor Seattle WA (wood preserving)	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
10	East Gate Disposal Yard, Fort Lewis Logistics Center, Ft. Lewis, WA	University of Washington	Bioremediation of chlorinated solvent compounds: In situ remediation strategies and predictive tools for controlling contaminated plumes	John Ferguson	No	A
10	Fort Lewis (Landfill No. 5) - Tacoma, WA	University of California at Berkeley	Development of Tools for Monitoring in situ Bioremediation	Lisa Alvarez-Cohen	Yes	C

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10	Fort Lewis Logistics Center - Tillicum, WA	University of Washington	Bioremediation of Chlorinated Solvent Compounds: In Situ Remediation Strategies and Predictive Tools for Controlling Contaminated Plumes	John Ferguson	No	N/A
10	Harbor Island - Seattle, WA	University of Washington	Environmental Stress Indicators for Fish at Superfund Sites: GC-MS and FT-IR Markers of Contaminant-Induced Damage to Gill Tissue	Donald Malins	No	A, J
10	Harbor Island (lead) - Seattle, WA	University of Washington	Environmental Stress Indicators for Fish at Superfund Sites: GC-MS and FT-IR Markers of Contaminant-Induced Damage to Gill Tissue	Donald Malins	No	A, J
10	Harbor Island Seattle, WA	University of Washington	Biomarkers for Fish Health at Superfund Sites	Donald Malins	No	A, J
10	Harbor Island Seattle, WA (mixed industrial)	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
10	Idaho National Engineering Laboratory (USDOE) - Idaho Falls, ID	University of California at Berkeley	Application of Comparative Genomics, Transcriptomics, and Proteomics to Optimize Microbial Reductive Dehalogenation	Lisa Alvarez-Cohen	Yes	C
10	Idaho National Engineering Laboratory (USDOE) - Idaho Falls, ID	University of California at Berkeley	Thermally Enhanced Soil and Groundwater Remediation	Kent S. Udell	No	C
10	Industrial (PCBs)**	Texas A&M University	Exposure and Risk Assessment of Complex Mixtures	Kirby Donnelly	Yes	A, H, F
10	Lake Union Seattle, WA (coal tar)	Texas A&M University	Chemical Intervention Strategies	Kirby Donnelly	Yes	A, H
10	Lake Union Seattle, WA (coal tar)	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	Yes	A, H
10	Marine dock (PCBs, PNAs, metals)**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
10	Marine sites (2)**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A

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10	Silver Valley - Silver Valley, ID	University of Arizona	Biosurfactant-Enhanced in Situ Metal Remediation	Raina Maier	No	A, B
10	Time Oil, Tacoma, WA	University of Washington	Bioremediation of chlorinated solvent compounds: In situ remediation strategies and predictive tools for controlling contaminated plumes	John Ferguson	No	A, J
10	Vancouver - Vancouver, WA	University of Arizona	Biosurfactant-Enhanced in situ Metal Remediation	Raina M. Maier	No	A, B
10	Western Processing, Kent, WA	University of Washington	Bioremediation of chlorinated solvent compounds: In situ remediation strategies and predictive tools for controlling contaminated plumes	John Ferguson	No	A, J
10	Wood preserving (PNAs and PCP) 2 **	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
10	Wyckoff Co./Eagle Harbor - Bainbridge Island, WA	University of California at Berkeley	Thermally Enhanced Soil & Groundwater Remediation	Kent Udell	No	C
	Auto recycling (PCBs, metals)**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly	No	A
	Wood preserving (PNAs)**	Texas A&M University	Site Assessment, Cleanup, Analysis and Bioremediation	Kirby Donnelly		A

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