

Cardno ENTRIX

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October 17, 2012

Mr. Tim Karsten
Head Chemicals Branch
UNEP DTIE
11-13, chemin des Anémones
Geneva, Switzerland

Subject: Accreditation to attend the UNEP Mercury Negotiations

Dear Mr. Karsten:

This letter is to acknowledge our support and request to join United Nations Environmental Program (UNEP) Global Mercury Partnership in the area of fate and transport of mercury. We are committed to working with UNEP Global Mercury Partnership and participating in the current negotiations and any future activities, as determined by the treaty, to achieve global reductions in anthropogenic mercury emissions.

Cardno ENTRIX is an international environmental and natural resources management consulting firm specializing in water resources management, natural resources management, environmental liability and risk management, and environmental permitting and compliance. Since 1984 Cardno ENTRIX has provided consulting services to public and private clients seeking guidance and solutions for complex environmental challenges. Cardno ENTRIX is highly regarded and respected throughout both the public and private sectors for our technical expertise, our science-based approach to sustainable business solutions, and our reputation for integrity and responsiveness.

We have multiple teams within the company that are actively involved in assessing mercury contamination in natural and built environments. Cardno ENTRIX has extensive expertise in fate and transport of mercury in various media. We have been involved in the development and implementation of remediation measures for the reduction of mercury contamination in lake and river ecosystems, and conducted scientific studies to understand the linkages between mercury in sediment, water, and biota. We have been involved in long-term characterization of the effect of mercury contamination on zooplankton and fish in aquatic ecosystems impacted by mercury. Our team has direct experience in hydrodynamic and water quality modeling for assessment of mercury transport and accumulation, and for development of management strategies.

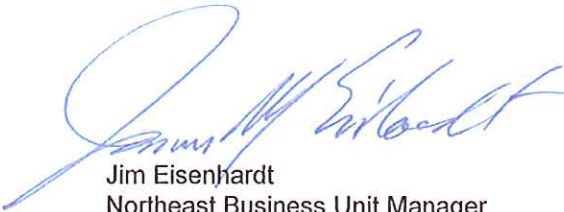
Cardno ENTRIX has also worked with regulatory agencies and provided guidance for the development and implementation of site-specific mercury total maximum daily loads (TMDL) criteria for aquatic ecosystems. Our team evaluated the risks associated with industry compliance with mercury TMDLs and prepared additional guidance for addressing these new

regulatory requirements at individual power plants across the United States. We have assessed and modeled depositional patterns in mercury-impacted regions to determine compliance with federal regulations.

We also provide expertise in the design and implementation of abatement and corrective actions for contaminated built environments. We have successfully remediated water supply systems, pipelines, sites, and buildings contaminated with mercury and redeveloped sites for adaptive reuse, while developing and implementing sampling and monitoring programs.

We believe that Cardno ENTRIX's commitment to provide the best scientific approach in mitigating mercury contamination would enhance the ability of the UNEP Global Mercury Partnership to effectively control mercury pollution. We are looking forward to working with the other partners to achieve the goals of the convention.

Sincerely,



Jim Eisenhardt
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Enc: Cardno ENTRIX About the Firm
EPRI Mercury Guidance Manual
Environmental Forensics Brochure
Green Remediation

cc: Brenda Sanders, Cardno ENTRIX

UNEP GLOBAL MERCURY PARTNERSHIP REGISTRATION FORM*

PARTNERSHIP AREA

Please check partnership areas that your organization intends to contribute to:

- ☐ artisanal and small scale gold mining
- ☐ mercury cell chlor alkali production
- ☒ mercury air transport and fate research
- ☒ mercury in products
- ☒ mercury releases from coal combustion
- ☒ mercury waste management
- ☐ mercury supply and storage

Please indicate in your support letter how your organization intends to contribute to each of the indicated partnership areas.

ORGANIZATION NAME

Cardno ENTRIX

NAME, FUNCTIONAL TITLE OF REPRESENTATIVE

Svetoslava Todorova, PhD, MPA, Senior Project Scientist

ADDRESS OF ORGANIZATION

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TYPE OF ORGANIZATION

- ☐ Government
- ☐ Regional economic integration organization
- ☐ Non-government Organization
- ☐ Industry
- ☐ Scientific community
- ☒ Other, please specify:

Environmental Consulting Company

*UNEP Global Mercury Partnership Registration Forms are to be accompanied by a letter to UNEP signifying support for the UNEP Global Mercury Partnership and commitment to achieving the partnership goal.

The support letter should specify how the organization intends to contribute to meeting the goal of the UNEP Global Mercury Partnership.

Please submit the support letter and registration form to:

Head, UNEP Chemicals Branch, DTIE
11-13, chemin des Anémones
CH-1219 Châtelaine - Geneva, Switzerland
Fax: (+41 22) 797 3460
E-mail: mercury@chemicals.unep.ch

Down to Earth.
Down to Business.



Professional Services

We make the environment our business.

Cardno ENTRIX is an environmental and natural resource management consulting firm specializing in water resources management, natural resources management, environmental permitting and compliance, and environmental liability management.



Since 1984, our clients have benefited from the wealth of knowledge and experience of our professional staff. We take pride in employing a multidisciplinary team of consultants, including experienced and recognized experts. Our technical staff, which includes biologists, cultural resources experts, chemists, geologists, oceanographers, toxicologists, natural resource economists, and environmental, chemical, and civil engineers brings valuable skills to every client assignment.

Our firm has a very unique make-up within the industry. Working side-by-side with our scientists are teams of regulatory and compliance experts, engineers, economists, and litigation support consultants. As a result, we address challenges from multiple angles and identify alternatives that bring real value to multiple parties involved. Cardno ENTRIX understands that clients require experienced problem solvers who can apply expert environmental, regulatory and economically feasible solutions to assist them in managing sustainable operations and growth—both today and for generations to come.

Services & Capabilities

Cardno ENTRIX offers a full range of professional consulting services for private and public clients, including industry and government agencies, that are faced with challenges that demand environmental experience, strategic planning, and practical sustainable solutions. Our project teams are experienced in delivering high profile infrastructure projects and developing cost-saving solutions for clients across the United States and internationally. For over a quarter century, Cardno ENTRIX has provided consulting services in four critical areas:

- > Water Resources Management
- > Natural Resources Management
- > Permitting & Compliance
- > Environmental and Natural Resource Liability Management



Water Resources Management

Cardno ENTRIX provides a comprehensive portfolio of environmental planning, permitting, engineering and economic consulting services to public and private entities engaged in the management, protection, development, treatment, delivery, use, and reuse of valuable water resources.

Working as a multidisciplinary team, Cardno ENTRIX professionals apply an integrated approach to every project and situation. We combine water resource science and engineering with a deep understanding of ecological and biological systems and natural systems engineering to develop sustainable and effective approaches to water and watershed management. Clients frequently hire Cardno ENTRIX for our unique combination of strategic insights and depth of technical expertise. And often, Cardno ENTRIX becomes involved in the early planning stages of a project, which helps our clients identify and develop solutions that protect and restore water resources, while reducing water use conflicts.

Our grasp of the science, economics, engineering, and compliance components behind water management solutions is frequently a critical element of our clients' decision making and an important

factor in a project's success. We work collaboratively with clients, resource agencies, regulators and communities to create successful, sustainable solutions that balance the productive use of water with societal needs and environmental protection.

Natural Resources Management

The conservation and wise management of our limited natural resources drives many of the social, economic, and land use decisions that we face in today's world. Cardno ENTRIX passionately supports solutions to the often competing demands for these resources that are environmentally and economically sustainable. We integrate best available science across multiple disciplines to evaluate the range of effects of each project, and develop cost-effective alternatives to avoid, minimize and mitigate for potential effects in the long term.

At Cardno ENTRIX, natural resource management begins with a clear understanding of the physical, chemical and biological factors that interact and control ecological processes in terrestrial, wetland and aquatic ecosystems—and the species that depend on them. Within this framework, our team of scientists, restoration engineers and resource economists link client goals with

regulatory requirements to manage and conserve our natural resources.

Permitting & Compliance

Cardno ENTRIX provides regulatory analysis and compliance services for a wide variety of development projects for both private and public sector clients. Our environmental permitting and compliance practice aggressively tackles a vast array of environmental, socio-economic, and regulatory challenges to ensure that regulatory constraints are fully understood and that projects can be completed in a timely manner.

Our regulatory specialists provide support to clients across the United States and internationally, particularly on controversial energy and resource development projects, to address potential impacts to water resources, wetlands, land uses, threatened and endangered species, cultural resources, and indigenous populations. Our experience includes the preparation of appropriate documentation to address the requirements of permits, licenses, and certifications under a variety of federal, state, and international energy, resource management, and funding protocols.

Our regulatory compliance work is conducted with strategic consideration, technical excellence, and senior management review—with a full



understanding of the likelihood that it will be subjected to intense scrutiny by regulatory agencies, non-governmental special interest organizations, other stakeholders, and the public. Our strong commitment to science-based analysis, engineering excellence, and defensible environmental documentation is a hallmark of Cardno ENTRIX.

Environmental and Natural Resource Liability Management

Our Liability Management practice is comprised of scientists, engineers, and economists, along with a highly experienced litigation support team. This multidisciplinary group has deep experience assisting clients address current and emerging liabilities including the regulatory, business and social drivers that can affect corporate environmental governance and financial reporting.

In terms of traditional site-based liability, Cardno ENTRIX employs all the requisite resources necessary for response to CERCLA and NRDA-related initiatives. Regarding emerging issues, our Global Product Stewardship team is assisting companies comply with complex global chemical regulations like REACH, as just one example.

Cardno ENTRIX also has a team of economists in-house. By evaluating liability, uncertainty and assets which often do not have an obvious market price, Cardno ENTRIX enables clients to consider the effects and tradeoffs among different natural resource strategies and environmental regulations. And, should an issue ever be headed toward litigation, we employ a deep bench of talent experienced in civil and administrative litigation matters relating to natural resources and the environment. This holistic approach has helped many clients realize substantial benefits and cost savings—improving balance sheets, stakeholder relations and the sustainability of their businesses.

“Congratulations to all involved - the UTR Middle Reach Project has set the standard for how stream restoration projects in the Tahoe basin can - and should - be implemented.”

Robert Larsen California Regional Water Quality Control Board, Lahontan Region

“I am exceptionally pleased with the quality of their work, as well as the talented staff they brought to our task. They were, to a person, willing to take detailed direction and follow through on each aspect of the project...”

Lewis Queirolo NOAA

“Cardno ENTRIX involvement in this project provided the close-project support, knowledge and installation experience necessary for the success achieved on budget and on schedule. I would welcome the opportunity to work with Cardno ENTRIX again on future projects.”

John F. Krishack, PE. USACE Project Manager



Our Philosophy

Our vision is to be a world leader in the provision of professional services to improve the physical and social environment.

We Believe:

- > The character and integrity of each member of the firm are critical to the conduct of our business.
- > Creativity and technical diversity enhance our assets.
- > Excellence in our professional practice and effective management of client assignments are equally important.
- > Our business must be efficiently managed to achieve long-term value and a stable environment for our people.

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_14919

