



LEHIGH  
UNIVERSITY.

*Energy Research Center*  
Lehigh University  
117 ATLSS Drive  
Bethlehem, PA 18015

Telephone: (610) 758-4092  
Fax: (610) 758-5959

January 19, 2015

United Nations Environmental Programme – Chemicals Branch  
Division of Technology, Industry and Economics  
11-13 chemin des Anémones  
CH-1219 Châtelaine, Geneva  
SWITZERLAND

**RE: United Nations Environment Programme – Global Mercury Partnership**

Dear Head of Branch:

The Lehigh University Energy Research Center (LU-ERC) is pleased to be considered for membership in the UNEP – Global Mercury Partnership. Our partnership application is included with this letter. We understand the relevance of coal as an important part of the global energy matrix, as well as the need to balance economic and social development with a clean environment. The LU-ERC recognizes the importance of the mission and goals of the UNEP, particularly in global mercury emissions reduction, and would like to offer its commitment to support the UNEP - Global Mercury Partnership.

The LU-ERC was founded in 1973 and it has been involved in many research aspects of coal-fired power generation, including thermal performance improvement, emissions control, technology development, process optimization and advanced instrumentation development. For the past 10 years, the LU-ERC has also been involved in projects, funded by government offices, equipment manufacturers and the power utility industry, related to the understanding of mercury emissions, and its measurement and control. Examples of mercury emissions research projects at the LU-ERC include: chemical kinetics modeling of mercury emissions formation in utility boilers, development and demonstration of an optimization concept for mercury emissions reduction at five coal-fired units, testing of alternative sorbents and oxidants for mercury emissions control, study of mercury behavior across deNO<sub>x</sub> catalysts, study of mercury behavior in deSO<sub>x</sub> scrubbers and testing of additives, comparative testing of continuous mercury emissions monitors and of a reference measurement method, and development of a low-cost flue gas mercury measurement system based on XRF spectroscopy.

We believe our experience and background in mercury emissions research would contribute to the goals and success of the UNEP - Global Mercury Partnership. We hope to share our expertise, participate in UNEP meetings, provide scientific contribution, and support and participate in studies related to mercury emissions from coal-fired power plants, to assist UNEP in developing a global strategy for reduction of mercury emissions to the environment. We look forward to be part of the UNEP - Global Mercury Partnership.

Very truly yours,

Dr. Carlos E. Romero  
Director, Energy Research Center  
Lehigh University



CHEMICALS BRANCH  
DIVISION OF TECHNOLOGY, INDUSTRY AND ECONOMICS  
UNITED NATIONS ENVIRONMENT PROGRAMME

## UNEP GLOBAL MERCURY PARTNERSHIP INFORMATION ON BECOMING A PARTNER

This information sheet provides an overview of the United Nations Environment Programme (UNEP) Global Mercury Partnership for prospective partners. Further information is available at the following web address:  
[www.unep.org/hazardoussubstances](http://www.unep.org/hazardoussubstances)

### GOAL OF THE PARTNERSHIP

The overall goal of the UNEP Global Mercury Partnership is to protect human health and the global environment from the release of mercury and its compounds by minimizing and, where feasible, ultimately eliminating global, anthropogenic mercury releases to air, water and land.

### PARTNERSHIP AREAS

The UNEP Global Mercury Partnership is a voluntary and collaborative relationship amongst various parties, in which all participants agree to work together in a systematic way to take immediate actions to achieve the goal of the UNEP Global Mercury Partnership.

Established in 2008, the partnership supports immediate actions on mercury in parallel to the negotiations of a mercury convention.

The following partnership areas have been initiated:

- 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; and
- mercury releases from cement industry.

### OUR PARTNERS

More than 100 partners from IGOs, NGOs and private sector:

- Support the overall goal of the Partnership;
- Contribute resources or expertise to the development and implementation of partnership activities;
- Network with other organizations/agencies/individuals addressing mercury issues.

### BECOMING A PARTNER

To become a partner, interested entities or individuals should submit a letter to UNEP signifying their support for the UNEP Global Mercury Partnership and their commitment to achieving its goal, and specifying how they will contribute to meeting the goal of the UNEP Global Mercury Partnership.

Letters should be submitted to :

Head of Branch  
UNEP Chemicals Branch DTIE  
11-13, chemin des Anémones  
CH-1219 Châtelaine - Geneva, Switzerland  
E-mail: [metals.chemicals@unep.org](mailto:metals.chemicals@unep.org)

In submitting this letter, UNEP requests partners to complete the registration form (see reverse). Participation in the UNEP Global Mercury Partnership will be acknowledged by UNEP. Your confirmation letter will be posted on the UNEP Chemicals Branch web site.



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**UNEP GLOBAL MERCURY PARTNERSHIP  
 INFORMATION ON BECOMING A PARTNER**

**PARTNERSHIP AREA**

Please check the partnership areas to which 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 mercury supply and storage
- mercury releases from the cement industry

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

<b>ORGANIZATION NAME</b>	Energy Research Center, Lehigh University
<b>NAME, FUNCTIONAL TITLE OF REPRESENTATIVE</b>	Carlos E. Romero, Director
<b>ADDRESS OF ORGANIZATION</b>	117 ATLSS Drive, Bethlehem, PA 18015-4279
<b>TEL. No.</b>	610-758-4092
<b>EMAIL</b>	cerj@lehigh.edu
<b>FAX No.</b>	610-758-5959
<b>WEBSITE/URL</b>	www.lehigh.edu/energy
<b>TYPE OF ORGANIZATION</b>	

预览已结束，完整报告链接和二维码如下：

[https://www.yunbaogao.cn/report/index/reportId=5\\_14747](https://www.yunbaogao.cn/report/index/reportId=5_14747)

