

July 15, 2002

**Hedy V. Alavi, Associate Director
Center for Hazardous Substances in Urban Environments
Johns Hopkins University
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**Dr. Mitch Lasat, Director
Hazardous Substance Research Centers (HSRC) Program
U.S. Environmental Protection Agency
National Center for Environmental Research
Mail Code 8722R
1200 Pennsylvania Ave, NW
Washington, D.C. 20460**

Dear Dr. Lasat:

Enclosed please find the quarterly report for the period of April 1 – June 30, 2002 regarding the outreach activities of the Center for Hazardous Substances in Urban Environments.

The report encompasses two parts, A and B. Part A includes the general activities that support the outreach efforts and are conducted by the participating institutions within the Center (Johns Hopkins University, University of Maryland, Morgan State University, New Jersey Institute of Technology, and University of Connecticut). Part B includes organized information on the current TOSC and TAB outreach projects in EPA Regions I, II and III, covering the items under reporting requirements of the grant (outreach activities quarterly report form.)

Please contact me at 410-516-7091 or hedy.alavi@jhu.edu if you need further information.

Sincerely,

Hedy V. Alavi, Ph.D., P.E., DEE

**cc: Chris Perkins) (UConn, Region I)
Fred Ellerbusch (NJIT, Region II)
Robyn Gilden (UMD, Region III)
Guangming Chen (Morgan State University)
Ed Bouwer, Center Director**

**Center for Hazardous Substances in Urban
Environments**

Outreach Quarterly Report

April 1 - June 30, 2002

Part A

**General Activities Supporting Outreach
Efforts**

The following dates have been set for the Outreach Advisory Committee (OAC) and the Science Advisory Committee (SAC) meetings at Johns Hopkins University in Baltimore

SAC: October 21- 22, 2002

OAC: November 7, 2002, 9:00 a.m.- 4:30 p.m.

Please see the attached document for the updated list of committee members and their contact information.

On May 10 a Center-wide outreach conference call was held to enhance communication and efficiency throughout all three regions.

On May 17 a meeting was held on Center's Region III outreach activities with University of Maryland, Johns Hopkins and Dr. Erik Rifkin, a center associate with expertise in risk assessment.

On May 10 University of Maryland met with representatives from the Governor's Office of Smart Growth to introduce the center and determine points of collaboration with Superfund and Brownfield sites in Maryland.

On May 14 University of Maryland met with Franchon Beeks, Community Involvement Coordinator for Delaware Department of Natural Resources and Environmental Control to introduce the center and determine points of collaboration with Superfund and Brownfield sites in Delaware.

On May 15 University of Maryland held a meeting at the Maryland Department of the Environment with Andrew Sawyers, Karl Kalbacher, and Jim Metz to discuss Superfund and Brownfield Management in Maryland and the Voluntary Cleanup Program.

On May 22 University of Maryland met with Pam Dixon, Community Involvement Coordinator at West Virginia Department of Environmental Protection, to introduce the center and determine points of collaboration with Superfund and Brownfield sites in West Virginia.

On May 28 University of Maryland attended Baltimore Brownfields Council meeting to increase exposure of center and participate in collaborative activities around redevelopment in Baltimore.

On May 31 University of Maryland held a conference call with Chris Evans, Brownfield Coordinator at Virginia Department of Environmental Quality, to introduce the center and determine points of collaboration with Superfund and Brownfield sites in Virginia.

On June 5 University of Maryland met with Chris Evans of VA DEQ in DC for further discussion on collaboration in VA.

On June 6 University of Maryland attended Greening Brownfields seminar hosted by Region 3 EPA and Baltimore Development Corporation to gain knowledge about redevelopment and network with those in the area participating in Brownfield cleanups.

On June 9 University of Maryland presented lecture to St. Marks Church on Environmental Issues to help raise awareness and empower community to participate in protecting their health.

On June 11-12 University of Maryland cosponsored a symposium on developing school siting criteria with Center for Health, Environment, and Justice. Convened experts in the fields of health, engineering, and schools to create a guideline that could be used nationwide as a tool for selecting and cleaning up sites desired for constructing schools. Participants from our Center included Robyn Gilden, Barbara Sattler, Ed Bouwer, Bill Ball, and Hedy Alavi.

On June 25 – 28 Center’s Region III outreach Program Manager (Robyn Gilden) attended EPA’s Community Involvement Conference as an educational tool and a venue for networking with those across the country working with communities and hazardous wastes.

NJIT: Currently, two parallel efforts are taking place at NJIT: 1) assessment of funding to support TAB and TOSC programs in Region II; and 2) fielding expressions of interest from communities that are seeking support from either program. At this time three communities appear to be sufficiently prepared for the program comprising four potential projects; one project in addition to the three reported last quarter. NJIT is in the process of developing scopes of work and resource estimates; while these projects have not been designated as either TAB or TOSC, once the scoping has been completed, the appropriate designations will be made.

NJIT: Camden, NJ

The City is seeking support for facilitation related to redevelopment in a former industrial area. The project will be modeled after a previous Camden project that resulted in a successful intervention and will likely involve community outreach and training focused on redevelopment options; the City has indicated its support and would like to use as much of the previous facilitation team as possible. Additional discussions are planned for July.

NJIT: Camden, NJ (Fettersville Community Organization/Macedonia Historical Assoc.) This community group is seeking support for the use of Phytoremediation/retreeing of a City owned Brownfield site using the Paulownia tree, which the community hopes will begin improving the neighboring properties of this disadvantaged community along the Delaware River. Fettersville has a rich history including serving as a key stop on the Underground Railroad. The community would like assistance in the form of a hydrologist and geologist on utilization of perched water as source for garden and tree plantings and assistance on the utility of phytoremediation for this type of property. A site visit is planned for the Third Quarter; once specifics are determined, we will begin the process of matching needs to expertise.

NJIT: Niagara County, NY

A currently unnamed community is seeking support for technical assistance and potential application of advanced technology in support of investigation and remediation.

Information was sent to consultants who were interested in the technical assistance available for community participation in Brownfields projects, particularly fostering information exchange among the neighborhood group, the State, and the Public Utility on a coal gas cleanup project. It is expected that more will be learned in the Third Quarter.

NJIT: Environmental Quality Board (EQB), Puerto Rico

EQB is seeking public outreach for support of its Voluntary Cleanup Program (VCP) initiative through an island wide conference. A planning meeting for the next steps in implementing the VCP was held in April and the island wide conference has been tentatively targeted for October of 2002. Additional planning sessions are needed before a specific estimate of resources can be developed; however, it is anticipated that the conference will focus on the VCP program launch and the new federal Brownfields legislation.

NJIT/Tufts/UConn: Regional Growth Partnership, Connecticut (pilot)

The Regional Growth Partnership (RGP) is a Brownfields Pilot recipient and also lead agency for a smart growth project that involves the Quinnipiac River Conservation and Development Corridor. The pilot project involves three municipalities: New Haven, North Haven, and Hamden. The Quinnipiac Corridor initiative involves a larger number of municipalities along the river corridor. This TAB project is expected to assist the RGP in two ways: 1) support the EPA funded Brownfields Demonstration Pilot grant which addresses site specific issues; and 2) contribute to the overall strategic planning effort for the multi municipality approach to Quinnipiac River redevelopment. An objective of the TAB support is to provide education to communities, municipal officials and other key stakeholders to build capacity, engage stakeholders in constructive and meaningful ways and facilitate development of redevelopment strategy for the River corridor.

TAB conducted a Risk Management Workshop for the RGP Board members during the second quarter. The workshop agenda included review of recently enacted Federal Brownfields legislation and its impact on the liability framework and tools for managing liability. A follow-up to this workshop is planned for the summer to help the Board gain a better understanding of the decision-making process for acquisition of contaminated properties. It is planned that this session and research will help the Board create a model process to be used in its deliberations along the Corridor. This project is being transitioned from NJIT to the University of Connecticut.

NJIT/UConn: New Bedford: Massachusetts (Pilot/Showcase)

This TAB project was to have focused on working with the city to develop a leadership training and facilitation project that will improve community organization and visioning capacity. The training, which is to be in close cooperation with the Morse Cutting Tool site neighborhood, has continued to be in the process of clarification of goals. However, it could cover capacity building for leadership skills, regulatory processes, and risk and environmental and redevelopment strategies. Training may also include a facilitated discussion on reuse planning for the Morse site and lenders workshop. However, given the pace of progress on this project, we will plan to transfer this project to the new center in

the Third quarter. This project is being transitioned from NJIT to the University of Connecticut.

UConn: Massachusetts Military Reservation (UConn)

Project files were shipped from NJIT to the University of Connecticut this quarter along with contact information. It is anticipated that TOSC services will continue into a second phase of technical assistance, attending monthly Impact Area Study Review Team (IASRT) meetings. The program that IASRT is overseeing is comprehensive, dealing with a variety of technical and scientific issues relative to contaminant source identification and control and groundwater remediation. This project is being transitioned from NJIT to the University of Connecticut.

Morgan State University:

The team at Morgan State has been working with the Park Heights community on their Brownfield Assessment project. The community is located in the northwest area of Baltimore City. The district area is bounded basically by Wabash Avenue (or CSX railroad) on west, Greenspring Avenue on east, Northern Parkway on north and Liberty Heights Avenue on south, with a US postal zip code 21215.

The Morgan team has accomplished two main tasks: 1) Environmental Site Assessment on two Brownfield sites in the area; 2) Economic Assessment on the community neighborhood. This information is useful for the baseline study of strategic planning of the Brownfield redevelopment. Environmental Assessment can reveal the potential risk of exposure to any hazardous environment. Basically, our research and assessment is conducted by the following activities and approaches: 1) Site visits and interviews with the residents; 2) Contacts to the community development incorporation - Park Reist Corridor Coalition (PRCC), Baltimore City Assessment Department; Baltimore archival information search; 3) Library and Internet search, as well as statistical analysis on the assessment results; 4) Baltimore City Hall visits to collect the information about historical assessment for the sites.

The summary results of analysis are given as follows: The two Brownfield sites are classified as Site 1 (4701 Reisterstown Road) and Site 2 (4700 block on Reisterstown Road). The community is proposing to develop Site 1 as an in-house children playground and Site 2 as a miniature golf course. The assessment results reveal the historical usage of the two sites dated back 30 years ago. Through the Phase-I assessment and soil sampling analysis, we have concluded that there is no evidence on the contamination of these two sites. Site 1: a former Gas Station that was closed 20 years ago. The gas tank was removed. A letter has been received from the Maryland Department of the Environment (MDE) issued under the Code of Maryland regulations (COMAR) with respect to the former Exxon gasoline station. The letter from the MDE confirms the removal of the tank. In addition, the letter states that because of the low residual levels of petroleum contamination that remains, the site does not warrant additional investigation. The levels do not present any threat to human health or the environment. Site 2: A former Larry's Dodge Auto Dealership, together with B&B Glass and a few small-business companies, a Little League Park, and now idle and non-specific park area.

The economic assessment on the Park Heights neighborhood indicates that both economy (business) and population are declining significantly in the area. This decline will continue and even worsen for next few years if no redevelopment is implemented. Thus, it is important for the community to make a strategic plan of sustaining and attracting more business and population back to the community, through a better utilization of the idle land under the Brownfield site redevelopment scheme.

Morgan State team held two meetings with Mr. Henri Thompson Director of The Park – Reist Corridor Coalition (PRCC) on 7/2/02 and 7/10/02. In attendance at the second meeting were representatives from Maryland Department of Environment Mr. Wallace Baker Director Office of Fair Practices and Mr. Donald Jackson Deputy Director Environmental Permits Services Center, at the PRCC office to discuss the survey of Autobody shops and identifying additional sites for further Brownfield site evaluation in the Park-Reist area. Because of the types of land use in the immediate past, it has been decided that plans should be made to conduct both Phase 1 and phase 2 studies. In Phase 1 studies, EPA guidelines will be observed. In Phase 2 studies, EPA guidelines will be observed and include the following: a. Soil sampling (surface and subsurface) 0 - 15 cm b. Soil analyses for relevant parameters based on recent land use.

A Paper titled “Environmental Impact and Economic Assessments of Brownfield Sites in Park Heights Baltimore was presented at the 2002 ASEE Conference in Montreal Canada and an abstract has been submitted to the NC 2002 Brownfield Conference.

Morgan State team is also working on the GIS system. ArcGIS 8 is used to create a GIS mapping of the Park Heights community, with GIS database and layers, query systems to display all assessment results on the GIS map. This GIS map will be a great presentation tool for the economic redevelopment activities of the community.

**Center for Hazardous Substances in Urban
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April 1 - June 30, 2002

Part B

TOSC and TAB Outreach Projects

**Center for Hazardous Substances in Urban Environment
Outreach Activities Quarterly Report**

TOSC [X]

TAB []

Period: From **Date:** April 1, 2002 To **Date:** June 30, 2002

Institution/Center: UConn/ ERI

Outreach Director/Manager: Christopher Perkins

Project/Community Name: Massachusetts Military Reservation

Location (City, State, EPA Region): Bourne, MA Region 1

Contacts: Community: Richard Hugus and other community members to the Impact Area Review Team

State: N/A

EPA Region: Jim Murphy

Project Manager/Coordinator: Kevin Hood

Project Status: Ongoing **Date Initiated:** Initiated by previous center **Expected Completion**

Date: N/A

Signed Memorandum of Understanding (MOU): Yes: [?] No: [] **Why?** Carryover from previous Center

Expected Extension on MOU:

Yes: [] No: []

Project Total Estimated Cost: \$ 25,000

Project Environmental Issues and the Center Commitments: The primary environmental issue is the large-scale contamination of the Massachusetts Military Reservation with explosive and other contaminants and the migration of these contaminants into the surrounding residential areas via 19 individual contaminant plumes.

Activities Conducted (Community Meetings, Workshops, Document Review, Site Visitation, Report Preparation), Dates, and Approximate Costs:

ERI initiated a web-based bulletin board for the Impact Area Review Team (IART) members for Massachusetts Military Reservation (MMR) issues. This was undertaken at IART member request and will serve to improve communication between the IART and TOSC members to expedite follow up on action items.

ERI TOSC personnel attended three monthly IART community meetings on Cape Cod during this reporting period.

Three ERI TOSC staff met in Boston with EPA and UConn staff regarding MMR issues as well as a general introduction to staff members in the Superfund, Brownfield, and Community Outreach sections.

ERI received three boxes of past MMR documents from NJIT and are presently cataloging them.

ERI is initiating a subcontract agreement with the remaining member of the TOSC (Jim Stahl) to serve on the TOSC board.

Activities Planned:

Review and comment upon appropriate consultant documents. Attend Monthly meetings.

**Center for Hazardous Substances in Urban Environment
Outreach Activities Quarterly Report**

TOSC [X]

TAB []

Period: **From Date:** April 1, 2002 **To** **Date:** June 30, 2002

Institution/Center: UConn/ ERI

Outreach Director/Manager: Christopher Perkins

Project/Community Name: Miscellaneous Intra-HSRC Activities

Location (City, State, EPA Region): N/A

Contacts: Community: N/A

State: N/A

EPA Region: Jim Murphy

Project Manager/Coordinator: Kevin Hood

Project Status: N/A **Date Initiated:** N/A **Expected Completion Date:** N/A

Signed Memorandum of Understanding (MOU): Yes: [?] No: [] Why?

Expected Extension on MOU: Yes: [] No: []

Project Total Estimated Cost:

Project Environmental Issues and the Center Commitments:

Activities Conducted (Community Meetings, Workshops, Document Review, Site Visitation, Report Preparation), Dates, and Approximate Costs:

Three ERI TOSC staff met in Boston with EPA and UConn staff regarding MMR issues as well as a general introduction to staff members in the Superfund, Brownfield, and Community Outreach sections.

ERI staff augmented NJIT staff as a facilitator at a NJIT hosted meeting in Syracuse New York regarding changes to the EPA Brownfield laws and risk and liability associated with Brownfields redevelopment.

ERI staff assisted the JHU/UMD staff on a project in EPA Region 3 in Philadelphia regarding VOC issues and remediation options.

Activities Planned: