

October 25, 2003

**Hedy V. Alavi, Associate Director  
Center for Hazardous Substances in Urban Environments  
Johns Hopkins University  
Department of Geography and Environmental Engineering  
313 Ames Hall, 3400 N. Charles St.  
Baltimore, MD 21218**

**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 July 1 – September 30, 2003 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. The Center outreach staff provided technical assistance to twenty-nine communities during this period, encompassing sixteen TOSC and thirteen TAB projects.**

**Please contact me at 410-516-7091 or [hedy.alavi@jhu.edu](mailto: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)  
Ed Bouwer, Center Director**

**Center for Hazardous Substances in Urban  
Environments**

**Outreach Quarterly Report**

**July 1 – September 30, 2003**

**Part A**

**General Activities Supporting Outreach Efforts**

## **University of Connecticut Principal Projects in EPA Region 1**

- Passamaquoddy Tribe at Pleasant Point (Perry, ME): Outreach staff (in conjunction with Mr. Charlie Zimineski, a former Connecticut Department of Environmental Protection employee) conducted a two-day educational session to address the environmental training needs of the Passamaquoddy tribe. The participants included representatives from the tribe, Maine Department of environmental Protection, U.S. Coast Guard, and the U.S. Navy. The purpose of this training was to build better communications and relations between the tribe and local authorities. Naragansett and Wampanoag tribes in New England have indicated interest in this course as well. The Center is also assisting the tribe with their lead (Pb) contamination program by providing them with relevant documents and informational materials.
- Stamford, CT: Outreach staff had preliminary discussions with the representatives of the City of Stamford Land Use Bureau concerning the use of a parcel of land that is contaminated with coal tar residues (used as fill material). This land is planned for use as a commuter-parking garage and a new interstate off ramp. The surrounding community has raised health concerns regarding the proposed disturbance of the old deposits. The Center will develop an assistance plan for this project.
- Conway School of Landscape Architecture: Staff conducted further planning with the faculty at Conway School to integrate the Ninigret Park site TAB project into the school's practical design curriculum. One focus of this project is to integrate landscape designs into Brownfields sites to minimize exposure through passive recreation. Environmental and community educational elements will be included in the design.

## **New Jersey Institute of Technology Principal Projects in EPA Region 2**

The following activities were carried out this quarter

- Continued implementation of projects outlined in the collateral funding received from U.S. EPA Region 2, these included:
  - Continued to develop the Expert System Decision Model logic and outputs
  - Started the planning process for stakeholder outreach meetings
- Continued discussions with the Port Authority of New York and New Jersey on possible collaboration for dredge spoil staging and subsequent land use planning for staging properties,
- Completed planning for a conference on Cleaning Up Contaminated Properties for Reuse and Revitalization focused on effective technical approaches and tools which was held on July 22 to 24, 2003. NHSRC co-sponsored the U.S. EPA Technology Innovation Office RevTech conference. NHSRC played a leadership role on three fronts: coordinating a technology fair, a panel on area wide site assessment, identifying and assisting the panel leader on uncertainty and insurance, and identifying and assisting the panel leader on uncertainty and banking. We also fielded follow-up requests from press.

- Began the planning process for a Superfund Site Redevelopment Workshop in Region 2, tentatively targeted for the first quarter of 2004,
- Prepared a technical memorandum on the findings of a study on the use of the Triad Approach for a school based Brownfields reuse scenario.
- Began planning and implementation activities associated with the USEPA-NJIT cooperative agreement to study the use of the Triad framework in the Assessment and Community Assistance using an Areawide Approach.
- Developed TAB related proposed activities and projects for the USEPA funding cycle announced during the quarter.
- Explored potential NIEHS environmental justice funding to leverage outreach activities in the South Camden area of New Jersey.
- Developed a project proposal to support the Hudson County Area Wide Assessment Grant with technical assistance for an Area Wide Investigation.
- Developed a project proposal to support the New Jersey Meadowlands Commission Paterson Plank Road Brownfields Redevelopment Area with technical assistance for site assessments.
- Began exploring how NHSRC can support or participate in the New Jersey Brownfields Development Areas that were recently designated by NJDEP.
- Specific activities conducted by NHSRC staff during the quarter that are not detailed in Part B (TOSC and TAB Project summaries) included:
  - 7/2-15/03 – Participated in an innovative site characterization technology transfer event held in Romania
  - 8/6-7/03 – Participated in a USEPA Peer review of Research and Development grant applications for solid waste recycling
  - 8/18/03 - Participated in TOSC outreach activities focused on USEPA staff not familiar with TOSC activities or services
  - 9/4//03 – Presented case studies of the Triad Approach in a day long NJDEP sponsored seminar
  - 9/8/03 – Participated in a conference call with Headquarters and HSRC representatives on expansion of outreach efforts to include all media
  - 9/13/03 - Explored site assessment technology transfer opportunities with the Government of Korea consulate
  - 9/22/03 - Responded to inquiries regarding topics for the 2004 TOSC conference

Two parallel efforts continue to occur:

- 1) Assessment of funding to support TAB and TOSC programs within Region 2; and
- 2) Fielding expressions of interest from communities that are seeking support for either TOSC or TAB assistance. We continue to work through scope clarification or development as well as resource estimates.

## **University of Maryland Principal Projects in EPA Region 3**

- Outreach staff, partnering with the International City and County Managers Association, is assisting in planning, presenting, and hosting several Risk Communication workshops for communities and local governments that are faced with contaminated site issues, the first of which was September 4 and 5 at the University of Maryland. Several community members attended from groups currently receive assistance from the TOSC/TAB program in Region 3.
- Program Manager is chair and Outreach Director is a member of the Community Health and Protection subgroup of the Governor's Commission on Environmental Justice and Sustainable Communities working to ensure communities have access to information and resources related to environmental health issues.
- Outreach Director is a commissioner and program manager attends the Governor's Commission on Environmental Justice and Sustainable Communities, assisting to highlight and address EJ issues in Maryland communities. They are also participating in Environmental Equity forums sponsored by the commission to assess regional community concerns in Maryland.
- Outreach staff is participating in planning meetings for MD DHMH and MDE's CDC health tracking grant. Staff will provide input on utilization of databases and access to information for communities.
- Program Manager and Outreach Director presented a session on *Connecting with Health Care Providers* at EPA's National Community Involvement Conference and Training in Philadelphia.
- Outreach staff and Region 3 EPA community involvement office are organizing a regional community involvement conference for state and local government and communities.
- Program Manager and Outreach Director are working collaboratively with the Health Sciences/Human Services Library at UMB and the National Library of Medicine to develop an online repository of environmental health materials that can be used for community education and outreach.
- Program Manager and Outreach Director are collaborating with Regional Administrator Donald Welsh and his staff on improving utilization of public health professionals in environmental protection activities.
- Outreach staff is advising two Baltimore Communities on applying for the EPA EJ Collaborative Problem-Solving Grant.

**Center for Hazardous Substances in Urban  
Environments**

**Outreach Quarterly Report**

**July 1 – September 30, 2003**

**Part B**

**TOSC and TAB Outreach Projects**

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

<b>Project/Community Name</b>	<b>Aberjona River /Industri-Plex Superfund site</b>
<b>City</b>	<b>Woburn</b>
<b>State</b>	<b>MA</b>
<b>EPA Region</b>	<b>Region 1</b>
<b>Community Contact</b>	<b>Anthony Imperioso/ Paul Maderios</b>
<b>State Contact</b>	<b>N/A</b>
<b>EPA Contact</b>	<b>Joe Lemay</b>
<b>Institution/Center</b>	<b>ERI/ UConn</b>
<b>Outreach Director/Manager</b>	<b>Christopher Perkins</b>
<b>Project Manager/Coordinator</b>	<b>Christopher Perkins</b>
<b>Allocation (TOSC, TAB)</b>	<b>TOSC</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b>  The Industri-Plex Superfund site is a 245-acre property located in a dense commercial and industrial area in Woburn, Massachusetts, a city 12 miles north of Boston. The site comprises both commercially developed and undeveloped property. Several ponds and wetland areas that support various fish, wildlife, and vegetation are located on or next to the site. In addition, two streams, including the Aberjona River, cross the property and eventually feed into the Upper Mystic Lakes, a popular recreation area located six miles downstream. EPA is finalizing both ecological and human health risk assessments associated with contamination of the Aberjona River. There is some skepticism from the City and community regarding these assessments.</p> <p>The USEPA Region 1 Administrator has sent a letter requesting that the City of Woburn and community groups make use of ERI under the TOSC/TAB program. EPA has said in conversations with TOSC and city council that health risk appear to be minimal, the council is very concerned that this will raise public concerns and diminish commercial and private property values. The City has requested our help in educating and explaining to concerned citizens the findings in terms of health risk.</p> <p><b>Activities:</b>  TOSC personnel have entered into a subcontract with Tufts University to provide support for the review of the Human Health Risk Assessment for the Aberjona River. Tufts University and TOSC personnel provided a comprehensive review of the human health and ecological risk assessment for the Aberjona River. Two reports were prepared, one each reviewing the human health and ecological assessments. Comments for the ecological risk assessment were submitted to EPA, to be incorporated into the formal comment process.</p> <p><b>Future Activities Planned:</b>  TOSC will continue to act as facilitators between EPA and the City and community groups. We will officially submit the reports and orally present our findings to the City Council during the next quarter. Additionally, we will set up an educational program for the council and public to present the findings in lay terminology, and answer any question regarding our interpretation and review of the assessment.</p>	

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

<b>Project/Community Name</b>	<b>Ninigret Park</b>
<b>City</b>	<b>Charlestown</b>
<b>State</b>	<b>RI</b>
<b>EPA Region</b>	<b>Region 1</b>
<b>Community Contact</b>	<b>Virginia Wooten</b>
<b>State Contact</b>	<b>N/A</b>
<b>EPA Contact</b>	<b>N/A</b>
<b>Institution/Center</b>	<b>ERI/ UConn</b>
<b>Outreach Director/Manager</b>	<b>Christopher Perkins</b>
<b>Project Manager/Coordinator</b>	<b>Kevin Hood</b>
<b>Allocation (TOSC, TAB)</b>	<b>TAB</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b> The town of Charlestown, RI has requested TAB to assist them in understanding the implementation of the remediation plan of a former Naval Air Station located adjacent to Long Island Sound that has been turned over to the town by the Federal government. There are multiple contaminants of concern, including benzene, lead, and free phase gasoline. We will be working with the Ninigret Park Contamination Study Committee.</p> <p><b>Activities:</b> TAB will bring in some expertise from the Conway School of Landscape Architecture to help the town and community undertake the visioning process for their park. The intention is to work this process and resulting design into their winter practicum. This process will result in a landscape blueprint that the stakeholders can then use to improve the quality of the park and minimize the potential exposure to contamination.</p> <p>We have attended three meetings with the committee to facilitate the follow up contaminant delineation activities.</p> <p><b>Future Activities Planned:</b> Start the initial visioning process for the site design with the students of the Conway School. TAB will set up a series of meetings where all stakeholders can share their vision for the park and an overall site design concept can evolve.</p>	

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

<b>Project/Community Name</b>	<b>Newhall Coalition</b>
<b>City</b>	<b>Hamden</b>
<b>State</b>	<b>CT</b>
<b>EPA Region</b>	<b>Region 1</b>
<b>Community Contact</b>	<b>Ann Altman</b>
<b>State Contact</b>	<b>Shannon Wyndish (CT DEP)</b>
<b>EPA Contact</b>	<b>Jim Murphy</b>
<b>Institution/Center</b>	<b>ERI/ UConn</b>
<b>Outreach Director/Manager</b>	<b>Christopher Perkins</b>
<b>Project Manager/Coordinator</b>	<b>Kevin Hood</b>
<b>Allocation (TOSC, TAB)</b>	<b>TOSC</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b>  The Newhall Coalition is a community group that represents a minority neighborhood that was in large part built over an industrial and municipal landfill. The Newhall Street neighborhood was built on a site where, for years, the Olin/Winchester chemical factory dumped ash, batteries, and chemicals. Polycyclic aromatic hydrocarbons, lead, and other heavy metals have been found in the soil of an adjacent middle school and on the properties of homes in the neighborhood. In February the CTDEP announced that an agreement has been reached to provide for the investigation and cleanup of contamination of the Newhall Street neighborhood</p> <p>The primary environmental issues are health and property concerns as a result of the landfill and any remedial activities that will occur. One key issue as it relates to the remediation plan, is the relocation of excavated landfill to the adjacent middle school.</p> <p><b>Activities:</b>  During this period, TOSC has been acting as a facilitator between the CTDEP and the Newhall Coalition regarding the remediation plan. We have attended 12 meetings during this quarter regarding this program. CTDEP has decided to go with an outside contractor to act as mediator for this program. TOSC will still provide technical support to the Newhall coalition.</p> <p><b>Future Activities Planned:</b>  TOSC will continue to act as facilitators between the Coalition and the CTDEP. TOSC representatives will attend the community meetings, both Newhall Coalition and the CTDEP led informational meetings. We will be reviewing future site assessment and remediation plan documents during the next quarter.</p>	

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

<b>Project/Community Name</b>	<b>Mallory Hat Factory</b>
<b>City</b>	<b>Danbury</b>
<b>State</b>	<b>CT</b>
<b>EPA Region</b>	<b>Region 1</b>
<b>Community Contact</b>	<b>Jack Kozuchowski</b>
<b>State Contact</b>	<b>N/A</b>
<b>EPA Contact</b>	<b>Jim Murphy</b>
<b>Institution/Center</b>	<b>ERI/ UConn</b>
<b>Outreach Director/Manager</b>	<b>Christopher Perkins</b>
<b>Project Manager/Coordinator</b>	<b>Kevin Hood</b>
<b>Allocation (TOSC, TAB)</b>	<b>TAB</b>

**Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:**

**Project Description:**

Danbury historically was the center of the New England hat making industry over the last 150 years. It is known that mercury was extensively used in the production of felt for hats and mercury was released to the Still River and groundwater in the area, and still present in sediments. Last summer, a professor from a University in Connecticut released information to the press regarding an independent study that he conducted on mercury contamination in Danbury. This has raised concerns in the community and forced the City of Danbury Health Department to respond to these concerns. This site is part of a Brownfields Assessment Pilot and the City is actively seeking redevelopment. The preliminary assessments completed (Phase I and II), if accurate, could minimize the ability to develop this property. This professor has also just announced his intentions to perform his own risk assessment study which will likely result in additional concerns for the community.

**Activities:**

We have recommended a baseline and periodic atmospheric mercury monitoring plan prior to the start of this remediation process to alleviate concerns regarding transpiration of mercury from the leaves. We worked with the City to design a pilot/ baseline monitoring program which will help alleviate some concerns regarding the potential for mercury to be emitted to the atmosphere during the transpiration process. In addition we are in the process of reviewing their quality assurance project plan (QAPP) and providing recommendations for improvement.

**Future Activities Planned:**

TAB will continue to act as facilitators between the City, community, and CTDEP. We will continue to work with the City and the community to assess data gaps and act as third part reviewers. The community and town have tabled the risk assessment, but this may be required in the future.

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

<b>Project/Community Name</b>	<b>Massachusetts Military Reservation (MMR)</b>
<b>City</b>	<b>Cape Cod (several towns)</b>
<b>State</b>	<b>MA</b>
<b>EPA Region</b>	<b>Region 1</b>
<b>Community Contact</b>	<b>Richard Jugus and other community members of the Impact Area Review Team</b>
<b>State Contact</b>	<b>Len Pinaud (MA DEP)</b>
<b>EPA Contact</b>	<b>Jim Murphy</b>
<b>Institution/Center</b>	<b>ERI/ UConn</b>
<b>Outreach Director/Manager</b>	<b>Christopher Perkins</b>
<b>Project Manager/Coordinator</b>	<b>Kevin Hood</b>
<b>Allocation (TOSC, TAB)</b>	<b>TOSC</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b></p> <p>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. ERI personnel and a subcontractor are technical representatives (TOSC) for the community as part of the Impact Area Review Team (IART).</p> <p>ERI TOSC personnel attend monthly IART community meetings on Cape Cod as well as Technical Team meetings. The TOSC members also review any appropriate documents generated during this study and provide technical input on behalf of the community.</p> <p><b>Activities:</b></p> <p>ERI TOSC personnel attended monthly IART community meetings on Cape Cod as well as several weekly Technical Team meetings during this reporting period. A total of 8 meetings have been attended by ERI personnel this quarter. We have met with the community members before the IART meeting to discuss key issues that need to be raised during the general meeting. The key issue that has continued to be raised during this quarter is perchlorate contamination and the fluctuating standards that are being proposed by EPA and the military.</p> <p>TOSC staff met with the military and their consultants during this quarter to discuss progress and future directions on their groundwater modeling.</p> <p><b>Future Activities Planned:</b></p> <p>Will continue to review documents as they become available. TOSC staff will continue to attend monthly IART meetings and weekly Technical Team meetings.</p>	

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

<b>Project/Community Name</b>	<b>Regional Growth Partnership</b>
<b>City</b>	<b>New Haven</b>
<b>State</b>	<b>CT</b>
<b>EPA Region</b>	<b>Region 1</b>
<b>Community Contact</b>	<b>New Haven Regional Growth Partnership</b>
<b>State Contact</b>	<b>N/A</b>
<b>EPA Contact</b>	<b>Jim Murphy</b>
<b>Institution/Center</b>	<b>ERI/ UConn</b>
<b>Outreach Director/Manager</b>	<b>Christopher Perkins</b>
<b>Project Manager/Coordinator</b>	<b>Kevin Hood</b>
<b>Allocation (TOSC, TAB)</b>	<b>TAB</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b>  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. A workshop was presented on 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.</p> <p><b>Activities:</b>  There have been no new activities on this program over the last quarter..</p> <p><b>Future Activities Planned:</b>  TOSC/TAB will be closing this program during the next quarter.</p>	

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

<b>Project/Community Name</b>	<b>Abbott School Districts</b>
<b>City</b>	<b>Statewide</b>
<b>State</b>	<b>NJ</b>
<b>EPA Region</b>	<b>Region 2</b>
<b>Community Contact</b>	<b>N/A</b>
<b>State Contact</b>	<b>Paul Hamilton, School Construction Corporation, NJEDA</b>
<b>EPA Contact</b>	<b>N/A</b>
<b>Institution/Center</b>	<b>Northeast Hazardous Substance Research Center – New Jersey Institute of Technology</b>
<b>Outreach Director/Manager</b>	<b>Fred Ellerbusch</b>
<b>Project Manager/Coordinator</b>	<b>Fred Ellerbusch &amp; Jim Mack</b>
<b>Allocation (TOSC, TAB)</b>	<b>TAB</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b>  The New Jersey Supreme Court ruled in <i>Abbott v. Burke</i> that children in urban communities are entitled to a "thorough and efficient" education under the State Constitution. The ruling includes educational standards and quality teaching, health services, extracurricular programs AND safe and adequate school buildings. This last item has been translated into a multi-billion dollar upgrade program for school districts that have been identified as needing help to correct deficiencies. The majority of these districts are urban and because of scarce land availability, new school sites involve Brownfields.</p> <p><b>Activities:</b>  NHSRC continued extensive engagement with the School Construction Corporation, NJDEP, and NJDCA throughout the quarter. During the quarter we completed a site assessment using the Triad Approach project for the Dudley Avenue School site in Camden and demonstrated that accelerated characterization of the property can be achieved. A presentation and briefing document were prepared summarizing the Development of the Conceptual Site Model involved stakeholders leading to a Dynamic Work-plan and Field activities as well as results and conclusions. The executive summary revealed that the use of the Triad Approach demonstrated that site identification and field planning and mobilization activities can develop a robust data set for decision making. Currently, a paper is in development. We submitted a request for research funding last quarter but learned that we were not selected this round. A potential new school site in Newark has been identified that could further develop the technology and utility for stakeholders.</p> <p><b>Future Activities Planned:</b>  Frequent meetings will continue and we will continue to technical assistance to the SCC/stakeholders as funding allows.</p>	

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

<b>Project/Community Name</b>	<b>Bloomfield, NJ</b>
<b>City</b>	<b>Bloomfield</b>
<b>State</b>	<b>NJ</b>
<b>EPA Region</b>	<b>Region 2</b>
<b>Community Contact</b>	<b>Mary Shaughnessy</b>
<b>State Contact</b>	<b>N/A</b>
<b>EPA Contact</b>	<b>N/A</b>
<b>Institution/Center</b>	<b>Northeast Hazardous Substance Research Center - New Jersey Institute of Technology</b>
<b>Outreach Director/Manager</b>	<b>Fred Ellerbusch</b>
<b>Project Manager/Coordinator</b>	<b>Fred Ellerbusch</b>
<b>Allocation (TOSC, TAB)</b>	<b>TOSC</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b>  In December 2002 NHSRC was requested to visit a housing development on a former mercury thermometer-manufacturing site. According to the neighborhood group the plan is to build 166 townhouses on two former industrial sites contaminated with mercury, lead, tetrachloroethylene, chloroform, benzene and pesticides. Both sites, which abut each other, are in a floodplain/wetlands; the 42-unit site will be capped; the 124-unit site is undergoing remediation. Surrounding neighbors are fearful of the ongoing work, poor information, and claimed lack of oversight.</p> <p><b>Activities:</b>  A site visit was conducted late last year to examine conditions and meet with a community representative. Additional meetings were planned for the first and second quarter to discuss next steps, but poor weather (1<sup>st</sup> quarter) and scheduling conflicts (2<sup>nd</sup> and 3<sup>rd</sup> quarter) postponed these events. However, in the interim the community continued to be actively involved in development issues and we expect to provide technical support in the future. Contacts with community representatives indicate continued interest in technical support; however, it has not resulted in any substantive requests this quarter. The community group is quite active and continues to generate interest in the press.</p> <p><b>Future Activities Planned:</b>  Continued contact will take place during the 4<sup>th</sup> quarter to discuss next steps and support activities.</p>	

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

<b>Project/Community Name</b>	<b>Buzby Landfill</b>
<b>City</b>	<b>Voorhees</b>
<b>State</b>	<b>NJ</b>
<b>EPA Region</b>	<b>Region 2</b>
<b>Community Contact</b>	<b>KK Wu, Buzby Landfill Task Force</b>
<b>State Contact</b>	<b>Steve Kehayes, NJDEP</b>
<b>EPA Contact</b>	<b>Larry D'Andrea, USEPA</b>
<b>Institution/Center</b>	<b>Northeast Hazardous Substance Research Center - New Jersey Institute of Technology</b>
<b>Outreach Director/Manager</b>	<b>Fred Ellerbusch</b>
<b>Project Manager/Coordinator</b>	<b>Fred Ellerbusch</b>
<b>Allocation (TOSC, TAB)</b>	<b>TOSC</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b> NHSRC provides technical assistance to the Voorhees Township Buzby Landfill Task Force. The Task Force is focused on the proposed clean-up of the Buzby Landfill, a site that had received industrial and municipal wastes and is located near a residential area. Technical assistance began during the third quarter 2002 to support the Task Force and Township vision of site redevelopment into recreational and office park land uses. The Responsible Parties (Township is a Responsible Party) reached a tentative agreement on the use of the landfill that would accommodate restricted access to the landfill - in order to keep the current institutional control solution scenario - and the new uses. Our involvement is focused on cap and sediment concerns as they relate to redevelopment of the site for commercial and recreational purposes. The Task Force is quite active, holding monthly meetings that are well attended by local stakeholders.</p> <p><b>Activities:</b> During this quarter we met with community and technical representatives on several occasions to review documents submitted by responsible parties to NJDEP and respond with technical comments. Community concerns related to the industrial portion of the landfill, which produces methane that is either vented or destroyed using a thermal treatment system, were discussed at one of the meetings. We also attended a meeting with responsible parties to resolve open technical issues that were raised in comments made in the 2<sup>nd</sup> quarter relative to the decision logic of methane management as well as monitoring data quality. The community refined the conceptual plan for the landfill site and has begun to actively explore redevelopment funding sources.</p> <p><b>Future Activities Planned:</b> Attendance at future Task Force meetings and additional document review and comment are expected. It is expected that based on community and responsible parties interest that we may support the evaluation on the use of methane for power generation or recovery for use as a fuel. In addition, it is expected that we will be asked to comment on future planning and design efforts.</p>	

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

<b>Project/Community Name</b>	<b>Camden, NJ (Fettersville Community Organization/Macedonia Historical Association)</b>
<b>City</b>	<b>Camden</b>
<b>State</b>	<b>NJ</b>
<b>EPA Region</b>	<b>Region 2</b>
<b>Community Contact</b>	<b>Fred Martin, City of Camden</b>
<b>State Contact</b>	<b>Steve Kehayes, NJDEP</b>
<b>EPA Contact</b>	<b>Larry D'Andrea, USEPA</b>
<b>Institution/Center</b>	<b>Northeast Hazardous Substance Research Center - New Jersey Institute of Technology</b>
<b>Outreach Director/Manager</b>	<b>Fred Ellerbusch</b>
<b>Project Manager/Coordinator</b>	<b>Fred Ellerbusch</b>
<b>Allocation (TOSC, TAB)</b>	<b>TOSC</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b> 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 was conducted during the 4<sup>th</sup> quarter of 2002 and 3<sup>rd</sup> quarter of 2003.</p> <p><b>Activities:</b> Follow-up discussions with community members were scheduled and accomplished during the quarter. We met with community members and held discussion with City planners to explore the potential for phytoremediation/tree planting for the 80 block area. We toured the entire area to examine the neighborhood and discuss community objectives and goals, which need support at higher government levels. We have identified the technical resources to support the community's desire to embark on phytoremediation and tree planting.</p> <p><b>Future Activities Planned:</b> Additional meetings will be attempted during the 4<sup>th</sup> quarter of 2003 to agree on specifics and identifying how objectives will be met. We will explore if there is an opportunity to link the Fettersville community efforts to those of the South Waterfront area of Camden.</p>	

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

<b>Project/Community Name</b>	<b>Ft. Edwards, NY</b>
<b>City</b>	<b>Ft. Edwards</b>
<b>State</b>	<b>NY</b>
<b>EPA Region</b>	<b>Region 2</b>
<b>Community Contact</b>	<b>NG Kaul, USEPA</b>
<b>State Contact</b>	<b>N/A</b>
<b>EPA Contact</b>	<b>NG Kaul, USEPA</b>
<b>Institution/Center</b>	<b>Northeast Hazardous Substance Research Center - New Jersey Institute of Technology</b>
<b>Outreach Director/Manager</b>	<b>Fred Ellerbusch</b>
<b>Project Manager/Coordinator</b>	<b>Fred Ellerbusch</b>
<b>Allocation (TOSC, TAB)</b>	<b>TOSC</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b> USEPA Region 2 Ft. Edwards Field Office requested TOSC community services support for the Fort Edwards Superfund project (website for the project is <a href="http://www.epa.gov/udson">www.epa.gov/udson</a>). NHSRC agreed that with the visibility of this Hudson River clean-up some support would be necessary, dependent on scope of services and funding availability. At this stage what distinguishes the community group from others is that this group had not believed that taking action, as outlined in recent project descriptions was needed. During the latter part of September, NHSRC was requested to prepare a collateral funding request for support of the Fort Edwards community; budget and scope were developed and submitted. This project is not only intriguing from an outreach perspective but also technically challenging given the scope and complexity of the cleanup.</p> <p><b>Activities:</b> The scope of work was developed and agreement was reached with U.S. EPA Region 2 during the last quarter; funding was finalized during the 3<sup>rd</sup> quarter. During this quarter the Region also developed several extensive documents, including an outreach document that were reviewed in preparation for the start of the project.</p> <p><b>Future Activities Planned:</b> The project will be kicked off during the 4th quarter of 2003 with a community and USEPA representative meeting at Ft. Edwards.</p>	

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

<b>Project/Community Name</b>	<b>Heart of Camden</b>
<b>City</b>	<b>Camden</b>
<b>State</b>	<b>New Jersey</b>
<b>EPA Region</b>	<b>Region 2</b>
<b>Community Contact</b>	<b>Chris Auth and Father Doyle</b>
<b>State Contact</b>	<b>Judy Shaw</b>
<b>EPA Contact</b>	<b>Larry D'Andrea, USEPA</b>
<b>Institution/Center</b>	<b>Northeast Hazardous Substance Research Center - New Jersey Institute of Technology</b>
<b>Outreach Director/Manager</b>	<b>Fred Ellerbusch</b>
<b>Project Manager/Coordinator</b>	<b>Fred Ellerbusch</b>
<b>Allocation (TOSC, TAB)</b>	<b>TAB</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b>  NHSRC was requested to provide technical assistance to a South Waterfront Redevelopment Plan sponsored by the Heart of Camden, a community organization located in South Camden. The area has been plagued by encroachment of industrial uses and abandoned property including sites listed on the NJDEP Known Contaminated Site List, USEPA Superfund program and the target of NJDEP enforcement actions. The area is disadvantaged but with strong grassroots community involvement. Our assistance activities were focused on a technical evaluation of the <i>Environmental Risk Management Framework &amp; Mitigation Strategies Interim Report</i> prepared by Vita Nuova LLC under funding by the Heart of Camden. We provide technical suggestions on land use issues and building design for Brownfields.</p> <p><b>Activities:</b>  During this quarter, our involvement with the community, leaders, City of Camden, NJDEP, and others continued to be extensive in order to achieve the community's redevelopment objective for the Waterfront South area. The environmental investigation was completed this quarter and presented to leaders. A NJDEP Air Toxics study was started during the 3<sup>rd</sup> quarter to assess land use impacts on the residential neighbor that was under study and targeted for revitalization.</p> <p><b>Future Activities Planned:</b>  Continued interaction with community is expected during the 4<sup>th</sup> quarter to determine if follow-up activities that were envisioned can be funded as well as to assist interpretative aspects of the NJDEP Air Toxics study.</p>	

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

<b>Project/Community Name</b>	<b>Ironbound Community Corporation</b>
<b>City</b>	<b>Newark</b>
<b>State</b>	<b>NJ</b>
<b>EPA Region</b>	<b>Region 2</b>
<b>Community Contact</b>	<b>Nancy Zak and Joe Della Fave</b>
<b>State Contact</b>	<b>Steve Kehayes, NJDEP</b>
<b>EPA Contact</b>	<b>N/A</b>
<b>Institution/Center</b>	<b>Northeast Hazardous Substance Research Center - New Jersey Institute of Technology</b>
<b>Outreach Director/Manager</b>	<b>Fred Ellerbusch</b>
<b>Project Manager/Coordinator</b>	<b>Fred Ellerbusch</b>
<b>Allocation (TOSC, TAB)</b>	<b>TOSC</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b> As a carryover from HSRC-1, NHSRC has had a long-standing involvement with the Ironbound Community Corporation; we continue to support the ICC on technical issues related to land reuse in the community. The ICC is the principal community group for the eastern section of Newark, called the Ironbound. The area was and remains home to most of Newark's industrial base and is also home to Superfund sites, treatment facilities including the County's solid waste incinerator, as wells as a growing demand for housing.</p> <p><b>Activities:</b> During this quarter we were asked to review the results of the preliminary environmental investigation of the Murphy Varnish site prepared by consultants for the School Construction Corporation. The investigation focused on soil, groundwater and interior surfaces and air space of the city-block building. The community and school district had identified the property as a potential school site. The draft report of the investigation revealed that contamination in all media existed; we were asked to give our interpretation of the report and possible next steps. We also began to explore alternative site scenarios that would preserve or maximize open space in the area, which has been under intense redevelopment pressure. During the quarter, press and political coverage of the site continued but a site visit was conducted and a facilitated meeting with the community, school district representative, and SCC were held to review findings and explore alternatives.</p> <p><b>Future Activities Planned:</b> Continued contact will take place during the 4<sup>th</sup> quarter to continue to explore alternatives and provide technical assistance.</p>	

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

<b>Project/Community Name</b>	<b>Long Branch Coal Gasification</b>
<b>City</b>	<b>Long Branch</b>
<b>State</b>	<b>NJ</b>
<b>EPA Region</b>	<b>Region 2</b>
<b>Community Contact</b>	<b>Wyatt Kenoly, Long Branch Concerned Citizens Coalition</b>
<b>State Contact</b>	<b>Paul Smith, NJDEP</b>
<b>EPA Contact</b>	<b>Larry D'Andrea, USEPA</b>
<b>Institution/Center</b>	<b>Northeast Hazardous Substance Research Center - New Jersey Institute of Technology</b>
<b>Outreach Director/Manager</b>	<b>Fred Ellerbusch</b>
<b>Project Manager/Coordinator</b>	<b>Fred Ellerbusch</b>
<b>Allocation (TOSC, TAB)</b>	<b>TOSC</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b>  NHSRC was requested to assist community members with concerns over the cleanup of a former Coal Gasification site that is near a residential area; within 1/4 mile are about 500 people including 2 adjacent housing authority sites. This is a CERCLIS listed site but NJDEP lead cleanup that will be reviewed by ATSDR for potential health impacts. We conducted a site visit late 2002 to review cleanup activities. In the first half of 2003 press coverage increased due to indoor air quality concerns at the neighboring housing development.</p> <p><b>Activities:</b>  No activities took place this quarter.</p> <p><b>Future Activities Planned:</b>  We will attempt to make contact with community this quarter; if unsuccessful we will close the project due to inactivity.</p>	

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

<b>Project/Community Name</b>	<b>Camden, NJ Martin-Aaron</b>
<b>City</b>	<b>Camden</b>
<b>State</b>	<b>NJ</b>
<b>EPA Region</b>	<b>Region 2</b>
<b>Community Contact</b>	<b>Fred Martin, City of Camden</b>
<b>State Contact</b>	<b>Steve Kehayes, NJDEP</b>
<b>EPA Contact</b>	<b>Larry D'Andrea, USEPA</b>
<b>Institution/Center</b>	<b>Northeast Hazardous Substance Research Center - New Jersey Institute of Technology</b>
<b>Outreach Director/Manager</b>	<b>Fred Ellerbusch</b>
<b>Project Manager/Coordinator</b>	<b>Fred Ellerbusch</b>
<b>Allocation (TOSC, TAB)</b>	<b>TOSC</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b> Under the Superfund pilot project in the City of Camden, the 5.9 acre Martin-Aaron site has been identified by community members and industrial interests alike as potentially usable. The site was host to a former barrel recycler that has been subject to EPA and NJDEP removal actions. The community has developed a plan that calls for locating a farmers market on the site, while a neighboring industrial has expressed an interest to use the land for expansion. The City would like to use this project to not only arrive at a best use option but also to empower the community and create academic linkages. The City believes that community members would benefit from capacity building in the form of risk skills training modeled after the North Camden training conducted through NHSRC several years ago. The City also believes a planning (with economic/feasibility components) analysis would be useful to determine the viability and desirability of either or both land-use options. A final component will be facilitation related to redevelopment in a former industrial area. We are exploring with Rutgers University Bloustein School of Planning and Public Policy the potential to jointly provide a planning (with economic/feasibility components) analysis to determine the viability and desirability of either or both land-use options and the risk skills training.</p> <p><b>Activities:</b> Additional discussion was held with a planning representative from Camden during the quarter to determine if the project remains viable. While the project is still viable the objective for the site uncertain, it appears that it may be used for industrial expansion. The site was identified in community redevelopment objectives that were not entirely consistent with city objectives. Funding for the project was also uncertain.</p> <p><b>Future Activities Planned:</b> The scope of this project remains in flux, we will continue to seek clarification and refinement during the 4<sup>th</sup> quarter of 2003.</p>	

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

<b>Project/Community Name</b>	<b>Ford Avenue Redevelopment Project</b>
<b>City</b>	<b>Milltown</b>
<b>State</b>	<b>NJ</b>
<b>EPA Region</b>	<b>Region 2</b>
<b>Community Contact</b>	<b>Denise Nickel, Middlesex County Improvement Authority</b>
<b>State Contact</b>	<b>Marie Franco-Spera, NJDEP</b>
<b>EPA Contact</b>	<b>Carl Struble, USEPA</b>
<b>Institution/Center</b>	<b>Northeast Hazardous Substance Research Center - New Jersey Institute of Technology</b>
<b>Outreach Director/Manager</b>	<b>Jim Mack</b>
<b>Project Manager/Coordinator</b>	<b>Jim Mack</b>
<b>Allocation (TOSC, TAB)</b>	<b>TAB</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b> At the request of NJDEP, NHSRC provided technical support to facilitate the Systematic Planning and Work Plan preparation phases of the Triad Approach. The Ford Avenue Redevelopment Project is a former Michelin Tire manufacturing facility located on 20 areas of land in Milltown, NJ. The Ford Avenue Authority was created to provide a mechanism to redevelop this site into senior housing, market rate residential and mixed use commercial. The project involves coordination key stakeholders including Middlesex County Improvement Authority (MCIA), the NJDEP, the developer, USEPA Region II Brownfields, USEPA Region II Mobile Laboratory, the MCIA consultant, Argonne Labs and USEPA Technology Innovation Office.</p> <p><b>Activities:</b> During the quarter we organized several systematic planning sessions with stakeholders, assisted the selected consultant in developing the Site Conceptual Model (SCM), and facilitated a series of Technical Subgroup meetings to focus on technical specifics of the Triad application.</p> <p><b>Future Activities Planned:</b> Preparation a Work Plan with a Dynamic Work Strategy for implanting the Triad approach program.</p>	

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

<b>Project/Community Name</b>	<b>New York State Department of Housing and Community Renewal</b>
<b>City</b>	<b>Statewide</b>
<b>State</b>	<b>NY</b>
<b>EPA Region</b>	<b>Region 2</b>
<b>Community Contact</b>	<b>N/A</b>
<b>State Contact</b>	<b>Barbara Wigzell</b>
<b>EPA Contact</b>	<b>N/A</b>
<b>Institution/Center</b>	<b>Northeast Hazardous Substance Research Center - New Jersey Institute of Technology</b>
<b>Outreach Director/Manager</b>	<b>Fred Ellerbusch</b>
<b>Project Manager/Coordinator</b>	<b>Fred Ellerbusch</b>
<b>Allocation (TOSC, TAB)</b>	<b>TOSC</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b> The New York Department of Housing and Community Renewal is the responsible agency for funding and approving affordable housing projects in the state of New York. Under state law, an environmental review is necessary for a significant state action, similar to NEPA review under federal law. Often, new projects involve reviews which have land-based impacts such as soil contamination or groundwater contamination that could affect future residents. NHSRC and NYDHCR have begun discussion to determine if TOSC can provide technical support to the Environmental Analysis Unit of the Department. TOSC support could positively affect many communities and future residents that have been impacted by soil and groundwater contaminants.</p> <p><b>Activities:</b> During the quarter NHSRC began exploration of TOSC support through phone conferences to determine extent and type of support to be provided.</p> <p><b>Future Activities Planned:</b> During the 4<sup>th</sup> quarter a meeting with the Assistant Commissioner and staff of the Environmental Analysis Unit will be held to explore synergies and technical assistance opportunities.</p>	

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

<b>Project/Community Name</b>	<b>Lamont – Riggs Park</b>
<b>City</b>	<b>Washington</b>
<b>State</b>	<b>DC</b>
<b>EPA Region</b>	<b>Region 3</b>
<b>Community Contact</b>	<b>Councilman Adrian Fenty</b>
<b>State Contact</b>	<b>Dr. Sreenivas, Deputy Bureau Chief, DC DOH; Dr. Koffy, DC DOH; Mick Butler, MDE</b>
<b>EPA Contact</b>	<b>Vance Evans, CIC; Marcus Aquino, OSC Superfund; Andrew Fan, Program Manager, RCRA; Joan Schaeffer, Communications Coordinator, RCRA; Lora Werner, ATSDR; Betty Ann Quinn, Toxicologist, RCRA</b>
<b>Institution/Center</b>	<b>University of Maryland School of Nursing</b>
<b>Outreach Director/Manager</b>	<b>Dr. Barbara Sattler</b>
<b>Project Manager/Coordinator</b>	<b>Robyn Gilden</b>
<b>Allocation (TOSC, TAB)</b>	<b>TOSC</b>

**Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:**

**Project Description:**

In 1989 the Chevron Station reported a Leaking Underground Storage Tank (LUST) and Maryland Department of the Environment installed a pump and treat system with monitoring to remove the gasoline. In 2001 the gasoline plume was detected under Lamond – Riggs Park, a residential area in DC. EPA Region 3 was asked to take over the remediation since it crossed jurisdiction lines and EPA’s RCRA program became involved at the site. Recently EPA’s Superfund program has been included to help address some of the contaminants detected during sampling that are not coming from the gas station, mainly PERC. EPA Region 3 has recommended this site for TOSC assistance to help identify stakeholders, provide education and information, and create a venue where all voices can be heard.

**Activities:**

Outreach staff interviewed various members of the remediation team including representatives from DC DOH, MDE, EPA’s RCRA, EPA’s Superfund, and ATSDR to gather background information and perception of community needs. Outreach staff has begun interviewing community members via the phone and in person to gather their perception of issues and needs and to determine the most effective way to inform and engage the community at large. The Center is collaborating with Councilman Fenty’s Office as well. Staff will participate in an introductory meeting led by the Councilman’s office and EPA and will visit the site and surrounding community.

**Future Activities:**

The Center will continue identifying stakeholders and priority concerns. The Center will convene a listening meeting with all interested parties. The Center will participate in an EPA led public availability meeting.

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

<b>Project/Community Name</b>	<b>Hamilton Park</b>
<b>City</b>	<b>New Castle</b>
<b>State</b>	<b>DE</b>
<b>EPA Region</b>	<b>Region 3</b>
<b>Community Contact</b>	<b>Elder Louis McDuffy, Council Chair</b>
<b>State Contact</b>	<b>Lisa Riegel, DNREC</b>
<b>EPA Contact</b>	<b>Vance Evans</b>
<b>Institution/Center</b>	<b>University of Maryland School of Nursing</b>
<b>Outreach Director/Manager</b>	<b>Dr. Barbara Sattler</b>
<b>Project Manager/Coordinator</b>	<b>Robyn Gilden</b>
<b>Allocation (TOSC, TAB)</b>	<b>TOSC and TAB</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b> The community has multiple concerns related to sites of former tanneries, defunct foundries, nearby Superfund sites (NPL and State), and currently operating facilities. The neighborhood, made up of 106 residences built in 1900- 1950's, is contaminated with arsenic and lead, along with various other toxics. The Hamilton Park Advisory Council is seeking guidance on understanding the site-related data and documents and the possible health effects of exposure as well as education on possible remediation technologies.</p> <p><b>Activities:</b> 7/11/03 – Received phone call from Elder McDuffy regarding the Standard Chlorine of Delaware, Inc. (Metachem) Superfund Site in Delaware City. He expressed concerns over a EPA model used to predict leaking of chlorobenzenes from storage tanks and rail cars left onsite when it was abandoned in May 2002. He requested the Center work with Michael Towle, EPA Region 3, in determining the appropriateness of the model. Outreach staff called Mr. Towle and left a voice message offering assistance on the matter.</p> <p><b>Future Activities Planned:</b> The Center will follow-up with Mr. Towle and also seek out other members of the community near the site to assess their interest (Mr. McDuffy lives about 15 miles from the site).</p>	

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

<b>Project/Community Name</b>	<b>Metachem</b>
<b>City</b>	<b>Delaware City</b>
<b>State</b>	<b>DE</b>
<b>EPA Region</b>	<b>Region 3</b>
<b>Community Contact</b>	
<b>State Contact</b>	<b>Charles Bussey</b>
<b>EPA Contact</b>	<b>Trish Taylor, Michael Towle</b>
<b>Institution/Center</b>	<b>University of Maryland School of Nursing</b>
<b>Outreach Director/Manager</b>	<b>Dr. Barbara Sattler</b>
<b>Project Manager/Coordinator</b>	<b>Robyn Gilden</b>
<b>Allocation (TOSC, TAB)</b>	<b>TOSC</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b>  The Standard Chlorine of Delaware, Inc. produced chlorinated benzene compounds on-site from 1966 to 2002. The 46-acre site was listed on the NPL in 1987 due to chlorobenzene spills in 1981 and 1986. Chlorobenzenes have been found in the ground water, soil, sediments, and surface water. People may be exposed to the chemicals by direct contact with contaminated soil or accidentally ingesting contaminated soil or water. About 152,000 people draw ground water from public and private wells within a three-mile radius of the site. Approximately 30 people reside within a mile of the site. Wetlands near the site are threatened. Chlorobenzenes have been found in tissue of fish obtained from Red Lion Creek.</p> <p>In May 2002 the U.S. Environmental Protection Agency (EPA), in coordination with the Delaware Department of Natural Resources and Environmental Control (DNREC), initiated an emergency response following the abrupt closure, bankruptcy, and abandonment of the plant by its owner, Metachem Products, LLC. EPA and DNREC are performing a number of immediate actions to stabilize the site. Such actions include maintaining security and stabilizing the site, operating the wastewater treatment plant, re-activating the groundwater pump-and-treat system, and securing chemicals left in tanks and rail cars. Due to its bankruptcy, Metachem will be unable to perform further cleanup, so EPA will complete the remainder of the original cleanup, including the completion of a groundwater barrier and pump-and-treat system and thermal treatment of contaminated soils. EPA will evaluate the need for additional cleanup resulting from the abandonment of the plant.</p> <p><b>Activities:</b>  The Center received a call from Elder McDuffy, a concerned citizen that lives about 15 miles from the site. He requested that the Center call EPA to work with them on the Emergency Removal actions. Outreach staff performed search and reviewed site related documents available on the Internet. Staff spoke with Michael Towle, EPA Emergency Removal OSC for the site, to gather information about current status and activities. The Center offered</p>	

assistance for community outreach and he indicated he would pass it along to the CIC team. Outreach staff left a message for Elder McDuffy informing him of the conversation. Staff also spoke with Trish Taylor, EPA CIC for the site, about a letter they had received from Elder McDuffy. She requested input on a response to the letter and coordination of community involvement around the site.

**Future Activities:**

If requested, community members around the site will be identified and the Center will help organize a listening session to identify concerns and questions. The Center will assist the community with informational and technical needs as asked for.

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

<b>Project/Community Name</b>	<b>Highway Petroleum Abandoned Gas Station</b>
<b>City</b>	<b>Cumberland</b>
<b>State</b>	<b>MD</b>
<b>EPA Region</b>	<b>Region 3</b>
<b>Community Contact</b>	
<b>State Contact</b>	<b>Karl Kalbacher, MDE</b>
<b>EPA Contact</b>	
<b>Institution/Center</b>	<b>University of Maryland School of Nursing</b>
<b>Outreach Director/Manager</b>	<b>Dr. Barbara Sattler</b>
<b>Project Manager/Coordinator</b>	<b>Robyn Gilden</b>
<b>Allocation (TOSC, TAB)</b>	<b>TAB</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b></p> <p>This site is part of the MDE Brownfield Assessment Grant application to EPA. This site was a former gas station and convenience store, abandoned since 1993. The USTs on site still contain product and the tank fill pipes are unlocked. Leaking from the tanks is suspected since odors are present in two observation wells.</p> <p>The Center has been contacted to perform community involvement related to the assessment project. In preparation of the grant submission, the Center began meeting and interviewing key informants to identify all possible stakeholders. The grant was awarded to MDE on 6/20/03. The Center will continue to identify interested parties and conduct outreach activities based on specific needs.</p> <p><b>Activities:</b></p> <p>Outreach staff contacted various community members that had been interviewed originally to inform them that the grant was awarded and a timeline would be discussed shortly outlining the assessment project.</p> <p><b>Future Activities:</b></p> <p>Once the grant is processed, the Center, in conjunction with MDE, will hold meetings, workshops, and focus groups, and disseminate information about the project and its progress in a variety of formats.</p>	

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

<b>Project/Community Name</b>	<b>Former Baltimore Transformer and Coil Brownfield</b>
<b>City</b>	<b>Elkridge</b>
<b>State</b>	<b>MD</b>
<b>EPA Region</b>	<b>Region 3</b>
<b>Community Contact</b>	<b>Lindsay Turner, Community Law Clinic</b>
<b>State Contact</b>	
<b>EPA Contact</b>	
<b>Institution/Center</b>	<b>University of Maryland School of Nursing</b>
<b>Outreach Director/Manager</b>	<b>Dr. Barbara Sattler</b>
<b>Project Manager/Coordinator</b>	<b>Robyn Gilden</b>
<b>Allocation (TOSC, TAB)</b>	<b>TAB</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b> The Baltimore Transformer and Coil Company, located on ½ acre at 5859 Washington Blvd, has been closed for about 4 years but is now being renovated. Community members have expressed concerns about the possible contamination on site from a former TCE spill and the possible presence of PCBs.</p> <p>The community has contacted the Community Law Clinic for help in obtaining documents, particularly the EPA PCB Inspection Report, related to the site. The Clinic requested the Center’s help in reviewing the document and providing interpretation and comments to the community.</p> <p><b>Activities:</b> The Center received a call from Lindsay Turner at the Community Law Clinic requesting technical assistance on behalf of her client, a resident near the site in Elkridge. Both the project manager and engineering consultant reviewed the PCB inspection report as well as other engineers associated with the Center. Feedback was provided to the community member through the Community Law Clinic. No further requests for assistance have been expressed.</p> <p><b>Future Activities:</b> None at the present time.</p>	

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

<b>Project/Community Name</b>	<b>East St./Carroll Creek Brownfield Sites</b>
<b>City</b>	<b>Frederick</b>
<b>State</b>	<b>MD</b>
<b>EPA Region</b>	<b>Region 3</b>
<b>Community Contact</b>	
<b>State Contact</b>	<b>Karl Kalbacher, MDE</b>
<b>EPA Contact</b>	
<b>Institution/Center</b>	<b>University of Maryland School of Nursing</b>
<b>Outreach Director/Manager</b>	<b>Dr. Barbara Sattler</b>
<b>Project Manager/Coordinator</b>	<b>Robyn Gilden</b>
<b>Allocation (TOSC, TAB)</b>	<b>TAB</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b> This site is part of the MDE Brownfield Assessment Grant application to EPA. There are about 8 sites proposed for assessment all within the downtown commercial district of East St. and Carroll Creek.</p> <p>The Center has been contracted to perform community involvement related to the assessment project. In preparation of the grant submission, the Center began meeting and interviewing key informants to identify all possible stakeholders. The grant was awarded to MDE on 6/20/03. The Center will continue to identify interested parties and conduct outreach activities based on specific needs.</p> <p><b>Activities:</b> Outreach staff contacted various community members that had been interviewed originally to inform them that the grant was awarded and a timeline would be discussed shortly outlining the assessment project.</p> <p>Outreach staff attended the EPA's press event awarding the check to MDE at one of the Brownfield sites in Frederick.</p> <p><b>Future Activities:</b> Once the grant is processed, the Center, in conjunction with MDE, will hold meetings, workshops, and focus groups, and disseminate information about the project and its progress in a variety of formats.</p>	

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

<b>Project/Community Name</b>	<b>Central Chemical Superfund Site</b>
<b>City</b>	<b>Hagerstown</b>
<b>State</b>	<b>MD</b>
<b>EPA Region</b>	<b>Region 3</b>
<b>Community Contact</b>	<b>Kathleen Maher</b>
<b>State Contact</b>	<b>Andy Zahrins, Jim Richardson</b>
<b>EPA Contact</b>	<b>Eric Newman, Carrie Deitzel</b>
<b>Institution/Center</b>	<b>University of Maryland School of Nursing</b>
<b>Outreach Director/Manager</b>	<b>Dr. Barbara Sattler</b>
<b>Project Manager/Coordinator</b>	<b>Robyn Gilden</b>
<b>Allocation (TOSC, TAB)</b>	<b>TOSC</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b>  Central Chemical is on the NPL and is still waiting to finish assessment and begin remediation. The Hagerstown Planning Department received a Superfund Redevelopment Initiative grant and formed a Future Land Use Committee to decide on reuse priorities. The PRP group has also formed a Community Liaison Panel to oversee the RI/FS process. Both groups would like TOSC to help review any existing documents held by either MDE or EPA, provide guidance on interpreting the environmental issues, to review redevelopment strategies suggested by the planning committee, and provide information on health effects related to contaminants. Contaminants of concern include arsenic, lead, mercury, benzene, benzo(a)pyrene, aldrin, a-chlordane, g-chlordane, DDD, DDE, DDT, dieldrin, and methoxychlor. The contamination is believed to impact on-site soil, ground water, surface water, sediment, and fish caught downstream.</p> <p><b>Activities:</b>  Outreach staff participated in a session led by the consultant team on Superfund Reuse that highlighted the Hagerstown site at EPA’s National Community Involvement Conference and Training in Philadelphia. Staff also attended the debriefing session for the Reuse Project. Outreach staff attends the Community Liaison Panel monthly meetings providing technical assistance and data review as information becomes available. Staff has reviewed preliminary Phase I sampling data and the screening assessment technical memorandum. Comments will be provided to the community, EPA, and the PRP group.</p> <p><b>Future Activities Planned:</b>  Will continue to review Phase I sampling data, continue participating in community meetings, and develop educational materials where appropriate.</p>	

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

<b>Project/Community Name</b>	<b>Superfund and Brownfield Sites in Herring Run Watershed</b>
<b>City</b>	<b>Baltimore</b>
<b>State</b>	<b>MD</b>
<b>EPA Region</b>	<b>Region 3</b>
<b>Community Contact</b>	<b>Darrin Crew, Herring Run Watershed Association (HRWA); Lynn Ward, Armistead Gardens Homes Corporation</b>
<b>State Contact</b>	
<b>EPA Contact</b>	<b>Matt Mellon, Amelia Libertz, Carrie Deitzel</b>
<b>Institution/Center</b>	<b>University of Maryland School of Nursing</b>
<b>Outreach Director/Manager</b>	<b>Dr. Barbara Sattler</b>
<b>Project Manager/Coordinator</b>	<b>Robyn Gilden</b>
<b>Allocation (TOSC, TAB)</b>	<b>TOSC/TAB</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b>  There are multiple Brownfield sites and one Superfund site of concern in this community.  <u>68<sup>th</sup> St. Proposed NPL Site:</u> The HRWA has been awarded a TAG grant for this site. The Center will assist the community until they are able to hire a technical advisor with this funding. The Center will also provide guidance in areas that are not covered by the TAG. The site, covering 235 acres, was initially proposed to the NPL in 1999 and is now re-proposed after EPA collected more supporting data. The site consists of several former landfills and contamination includes metals, PCBs, and PAHs. There are offsite impacts to local waters including the Herring Run, Moore’s Run, and Redhouse Run leading into the Back River and Chesapeake Bay.  <u>Lower Herring Run Park:</u> This former landfill currently owned by Baltimore City, is for sale and the city is considering a nine-hole golf course proposal. The Community, particularly Armistead Gardens, would like the Center to review the Preliminary Assessment/Site Investigation Report conducted by an EPA contractor.</p> <p><b>Activities:</b>  Community members attended a Risk Communication Workshop sponsored by ICMA and UMBSON, where Outreach staff presented information on communication techniques. Other activities were not planned because the leadership of HRWA has undergone some changes and they are in the process of reorganizing.</p> <p><b>Future Planned Activities:</b>  The Center will continue to review documents related to the Brownfield sites and continue to advise the community in general on Environmental Health issues. The Center will remain involved with the 68<sup>th</sup> St. Site until a technical advisor is secured via the TAG.</p>	

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

<b>Project/Community Name</b>	<b>Brown Derby Abandoned Gas Station</b>
<b>City</b>	<b>Princess Anne</b>
<b>State</b>	<b>MD</b>
<b>EPA Region</b>	<b>Region 3</b>
<b>Community Contact</b>	
<b>State Contact</b>	<b>Karl Kalbacher, MDE</b>
<b>EPA Contact</b>	
<b>Institution/Center</b>	<b>University of Maryland School of Nursing</b>
<b>Outreach Director/Manager</b>	<b>Dr. Barbara Sattler</b>
<b>Project Manager/Coordinator</b>	<b>Robyn Gilden</b>
<b>Allocation (TOSC, TAB)</b>	<b>TAB</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b></p> <p>This site is part of the MDE Brownfield Assessment Grant application to EPA. The Brown Derby is an abandoned gas station that has been vacant for 10-15 years. The USTs and fuel pumps are still present on site as well as propane tanks and evidence of a former dry cleaning business. A creek that drains into the Manokin River and a new housing development, Somerset Landing, borders the site.</p> <p>The Center has been contracted to perform community involvement related to the assessment project. In preparation of the grant submission, the Center began meeting and interviewing key informants to identify all possible stakeholders. The grant was awarded to MDE on 6/20/03. The Center will continue to identify interested parties and conduct outreach activities based on specific needs.</p> <p><b>Activities:</b></p> <p>Outreach staff contacted various community members that had been interviewed originally to inform them that the grant was awarded and a timeline would be discussed shortly outlining the assessment project.</p> <p><b>Future Activities:</b></p> <p>Once the grant is processed, the Center, in conjunction with MDE, will hold meetings, workshops, and focus groups, and disseminate information about the project and its progress in a variety of formats.</p>	

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

<b>Project/Community Name</b>	<b>Lester's Garage Abandoned Gas Station</b>
<b>City</b>	<b>Salisbury</b>
<b>State</b>	<b>MD</b>
<b>EPA Region</b>	<b>Region 3</b>
<b>Community Contact</b>	
<b>State Contact</b>	<b>Karl Kalbacher, MDE</b>
<b>EPA Contact</b>	
<b>Institution/Center</b>	<b>University of Maryland School of Nursing</b>
<b>Outreach Director/Manager</b>	<b>Dr. Barbara Sattler</b>
<b>Project Manager/Coordinator</b>	<b>Robyn Gilden</b>
<b>Allocation (TOSC, TAB)</b>	<b>TAB</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b></p> <p>This site is part of the MDE Brownfield Assessment Grant application to EPA. This site is a former Getty service station and auto repair shop with UST's still present. Old cars and debris are on site and there is possible media contaminated with petroleum. The station has been abandoned for about 15 years, but the property appears to be in use. A day care center and older residences border the property.</p> <p>The Center has been contracted to perform community involvement related to the assessment project. In preparation of the grant submission, the Center began meeting and interviewing key informants to identify all possible stakeholders. The grant was awarded to MDE on 6/20/03. The Center will continue to identify interested parties and conduct outreach activities based on specific needs.</p> <p><b>Activities:</b></p> <p>Outreach staff contacted various community members that had been interviewed originally to inform them that the grant was awarded and a timeline would be discussed shortly outlining the assessment project.</p> <p><b>Future Activities:</b></p> <p>Once the grant is processed, the Center, in conjunction with MDE, will hold meetings, workshops, and focus groups, and disseminate information about the project and its progress in a variety of formats.</p>	

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

<b>Project/Community Name</b>	<b>Woodberry Land Trust</b>
<b>City</b>	<b>Baltimore</b>
<b>State</b>	<b>MD</b>
<b>EPA Region</b>	<b>Region 3</b>
<b>Community Contact</b>	<b>Jan Danforth</b>
<b>State Contact</b>	<b>Evans Paul (Baltimore City)</b>
<b>EPA Contact</b>	<b>Lorie Baker</b>
<b>Institution/Center</b>	<b>University of Maryland School of Nursing</b>
<b>Outreach Director/Manager</b>	<b>Dr. Barbara Sattler</b>
<b>Project Manager/Coordinator</b>	<b>Robyn Gilden</b>
<b>Allocation (TOSC, TAB)</b>	<b>TOSC</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b>  The site under investigation was formerly 2 landfills, one of which was uncontrolled. An EPA preliminary assessment conducted and reported in December 2001, shows presence of various VOCs, SVOCs, pesticides, and PCBs. Full site assessment was completed 4/15/02 and the Center is reviewing the summary documents. Loyola College has permission from the city council to buy the land for development into a stadium complex and practice fields. A final land agreement between Loyola and BDC is pending. The community requests help interpreting results of EPA's testing and providing training on various options for remediation and health effects associated with contaminants at the site.</p> <p><b>Activities:</b>  The Center received a phone call from Jan Danforth requesting information on the public health risks of prions that may be found in sewage sludge used to cover the landfill. Outreach staff conducted a literature search and spoke with engineers at JHU. No information on any health threats related to prions in sludge cover could be found. Staff referred community to two other possible sources of information.</p> <p>Community members also attended a Risk Communication Workshop sponsored by ICMA and UMBSON, where Outreach staff presented information on communication techniques.</p> <p><b>Future Activities Planned:</b>  Center staff will attend a meeting with City Council President, Sheila Dixon, regarding the sale of the property and outstanding questions about site safety. The meeting is proposed for sometime this fall.</p> <p>The Center will continue to review documents as they become available and will provide workshops on remediation options and health effects as requested by the community.</p>	

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

<b>Project/Community Name</b>	<b>Pen Argyl</b>
<b>City</b>	<b>Pen Argyl</b>
<b>State</b>	<b>PA</b>
<b>EPA Region</b>	<b>Region 3</b>
<b>Community Contact</b>	<b>Judy Piper</b>
<b>State Contact</b>	<b>William Tomyako, PA DEP Northeast Region Waste Management, Senator Lisa Boscola</b>
<b>EPA Contact</b>	
<b>Institution/Center</b>	<b>University of Maryland School of Nursing</b>
<b>Outreach Director/Manager</b>	<b>Dr. Barbara Sattler</b>
<b>Project Manager/Coordinator</b>	<b>Robyn Gilden</b>
<b>Allocation (TOSC, TAB)</b>	<b>TAB</b>
<b>Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:</b>	
<p><b>Project Description:</b></p> <p>The community of Pen Argyl is concerned about possible health effects from an existing landfill and the further effects of a proposed 27-acre expansion of the site. They requested information on possible health effects related to living near a landfill and guidance on developing a health study. They are also interested in the fate of a vacant industrial complex adjacent to the landfill, which is unoccupied for various reasons including perceived contamination, and blights the community.</p> <p><b>Activities:</b></p> <p>The final report from the health registry will be delivered to the community. Discussions are being held on the best approach to follow-up the results and empowering the community to stay involved in redevelopment and environmental health issues.</p> <p>Community members were invited to attend a Risk Communication Workshop sponsored by ICMA and UMBSON, where Outreach staff presented information on communication techniques. Unfortunately, their representative had to cancel at the last moment. They will be provided with the materials from the conference.</p> <p><b>Future Activities Planned:</b></p> <p>The Center will continue to provide technical assistance related to the Brownfield site and advisement on community survey result dissemination.</p>	

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

<b>Project/Community Name</b>	<b>Brook-Hancock-Jefferson Metropolitan Planning Commission</b>
<b>City</b>	<b>Weirton</b>
<b>State</b>	<b>WV</b>
<b>EPA Region</b>	<b>Region 3</b>
<b>Community Contact</b>	<b>Doris Davis</b>
<b>State Contact</b>	
<b>EPA Contact</b>	<b>Kristeen Gaffey</b>
<b>Institution/Center</b>	<b>University of Maryland School of Nursing</b>
<b>Outreach Director/Manager</b>	<b>Dr. Barbara Sattler</b>
<b>Project Manager/Coordinator</b>	<b>Robyn Gilden</b>
<b>Allocation (TOSC, TAB)</b>	<b>TAB</b>

**Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:**

**Project Description:**

The Brooke-Hancock-Jefferson Metropolitan Planning Commission was selected to receive a Brownfield Assessment grant. The commission has targeted about 30 potential brownfields in two rural counties in the northern panhandle of West Virginia, also known as Appalachia. Most of the brownfields are the result of the demise of steel and other industries in the region. A 70 percent reduction in jobs has occurred from the loss of the steel industry alone. Hancock County has the slowest growth rate of all West Virginia counties, and per capita income in the two counties is lower than the national average. Assessment and cleanup of targeted areas will encourage redevelopment of properties, create greenspace, and address health concerns in a region with one of the highest cancer rates in the country. A task force created by the commission will continue to reach out to community-based organizations to involve citizens in assessment and reuse issues.

The BHJ MPC has requested assistance from the Center for community outreach and technical assistance during the 2-year project.

**Activities:**

Center staff met with Doris Davis, of BHJ MPC, to discuss community outreach for the proposed assessment sites. A proposal was submitted by the Center for review and revision.

**Future Activities:**

The Center will assess community information and outreach needs by identifying key stakeholders and forming a planning committee. The Center, BHJ MPC, and the stakeholder group will develop outreach activities according to priority needs.