

July 28, 2003

**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, 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 (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)
Ed Bouwer, Center Director**

**Center for Hazardous Substances in Urban
Environments**

Outreach Quarterly Report

April 1 – June 30, 2003

Part A

General Activities Supporting Outreach Efforts

The Center for Hazardous Substances in the Urban Environments, Outreach Advisory Committee held a teleconference on June 26, 2003. It was attended by most of the member of the Committee and Dr. Mitch Lasat, Director, EPA Hazardous Substance Research Centers (HSRC) Program. The purpose of the teleconference was to provide an update on the Center and all of the regions outreach activities to the advisory board members. Below please find key points that were discussed:

- Approval of the Draft Vision Statement
No one had any objection to the approval of the Vision Statement.
All agreed to formally submit to EPA for review. (A copy is attached.)

- Update on the Center Activities, Hedy Alavi, Johns Hopkins University
 - Center working on budget for Year 3, which is to start October 1, 2003.
 - The core grant is for the same amount as last year.
 - The various schools can expect the same level of support for TOSC as in Year 2 for the Outreach Program.
 - No word from EPA on the status of TAB funding through the collateral funding.
 - The Center co-sponsored an International Workshop on Urban PAH and BTEX Petroleum Contamination.
 - The CHSUE Scientific Advisory Committee met on June 16th to review 9 research proposals.
 - In March 2003 CHSUE hosted EPA's National TOSC/TAB conference in Baltimore. The theme was planning, collaboration and sustainability.
 - An announcement was made for the addition of two new staff members to CHSUE, Ralph Lightner, Engineering Resource Staff member and Jocelyn Bauer, Center Financial Manager.

- EPA Annual Community Involvement Conference being held July 22-25, 2003, in Philadelphia. Information concerning the meeting was e-mailed to all OAC members.
- Update on Region I, Chris Perkins, Associate Director, Environmental Research Institute, University of Connecticut
- Update on Region II Projects, Fred Ellerbusch, Director Technology Transfer and Training, NHSRC, New Jersey Institute of Technology
- Update on Region III Projects, Robyn Gilden, Outreach Program Manager, University of Maryland Baltimore, School of Nursing

Open Discussions, Suggestions, Comments Adjournment, Next Meeting

- Process for Ensuring Relevance of Research to Local Community
 - Larry Charles suggests developing a Model Plan to engage communities to be aware of services available by Center.
 - This to be discussed and designed at the November 14, 2003 meeting to be held in New Jersey hosted by Fred Ellerbusch and NJIT.
 - At the meeting OAC members would like to tour one of Region II project sites, maybe Ironbound.

- It was suggested there be an Outreach Conference Call with all Regions with EPA Hazardous Substance Research Centers. The conference call would include a briefing and discussion on each regions outreach activities. All agreed this was an excellent idea.

Center for Hazardous Substances in Urban Environments Vision Statement

- VISION:** **With assistance from the Outreach Advisory Committee, the Center shall share its technical and research capacity to help affected communities:**
- Understand the technical and scientific issues involving contaminated hazardous waste sites in their locale
 - Improve their participation in the processes involved in remediation, permitting, redevelopment and reuse
 - Build a mutually respectful partnership to insure an on-going capacity to advance local visions for a economically viable and sustainable future
 - Participate in a continuous improvement process
- MISSION:** **The mission of the HSRC Outreach Advisory Board is to provide guidance to the Center through evaluation and critique of the interactions of the Center with communities; recommendation of improvements in the Center's outreach activities and liaison with external organizations in matter of outreach**
- SCOPE:** **The HSRC Outreach Advisory Board addresses all aspects of the Center's relationship with supported communities. It identifies necessary or desirable improvements by focusing on key areas such as:**
- Research relevance
 - Policy issues
 - Resource priority
 - Leverage of resources
 - Availability of expertise
 - Selection of projects
 - Definition of the customer base
 - Community empowerment
 - Accountability to and of communities
 - Completion criteria
 - Measures of success
 - Disengagement strategies
 - Emerging issues
 - Periodic briefings and recommendations
 - Wealth building within the community

University of Connecticut Lead Projects in EPA Region 1

- **Passamaquoddy Tribe at Pleasant Point (Perry, ME):**

A training session for coastal oil spill clean up is now being planned by Peter Tebeau, an UConn employee. The Passamaquoddy Tribe has been concerned for some time that they would be the first responders to a coastal oil spill or similar disaster, for which they are not trained and equipped. The training will also be offered to other first responders in the area, such as the local fire and police departments and environmental groups. The Tribe would like to build better relations with local authorities and hosting this training will help achieve this goal. This training was tentatively scheduled for mid summer, but there is a necessity to seek outside funding for this program due to the anticipated expense of course development. There has been interest in this course among two other tribes in New England, the Naragansett and Wampanoag, which we will implement once the course has been completed.

We are also providing documents and materials to assist the Tribe in their lead remediation program. There has been no activity on this task during this quarter.

- **Stamford, CT**

TAB/TOSC has had preliminary discussions with and met with the City of Stamford Land Use Bureau concerning the use of land contaminated with coal tar residues used as fill. This land is planned for use as a commuter-parking garage and new interstate off ramp. The surrounding community, regarding the proposed disturbance of the old deposits, has raised health concerns. TAB/ TOSC will be developing an assistance plan for this project. There has been no activity on this project during this quarter.

- **EPA Environmental Justice Training**

Two members of TOSC/TAB, Chris Perkins and Kevin Hood, attended an EPA Region 1 training course on environmental justice during this quarter.

- **Conway School of Landscape Architecture**

TOSC/TAB met with the directors of the Conway School of Landscape Architecture (CSLA) in Conway, MA to discuss a collaborative relationship. As part of their training program, graduate students must undertake a practical design project in landscape architecture. The organization also has experience in designing landscapes on contaminated sites. They utilize landscaping elements to minimize contact/exposure in addition to the incorporation of educational elements associated with the contamination, historic or current, and any remediation technologies being applied. We wish to team together to utilize their students in some urban redevelopment projects, by providing services to applicable communities the TOSC and TAB may provide services to. Philosophically, CSLA is similar to the TOSC/TAB programs by incorporating public involvement in the design processes.

New Jersey Institute of Technology Lead Projects in EPA Region 2

- Continued implementation of projects outlined in the collateral funding received from U.S. EPA Region 2, these included:
 - Completed the migration of the U.S. EPA Region 2 Expert System Model code to NJIT servers in addition continued to develop the ESDM logic and outputs
 - Compiled summaries of Brownfield pilot outreach events
- 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.
- Continued planning for a conference entitled “Cleaning up Contaminated Properties for Reuse and Revitalization”, which focuses on effective technical approaches and tools. The conference is to be held on July 22 to 24, 2003. The RevTech conference is sponsored by the U.S. EPA Technology Innovation Office and co-sponsored by NHSRC. NHSRC is taking a leadership role on three fronts: a technology fair, a panel on area wide site assessment, a panel on uncertainty and insurance, and a panel on uncertainty and banking.
- Continued exploring the potential for a Superfund Site Redevelopment Workshop in Region 2
- A paper was prepared (expected October publication in Remediation Journal) on the use of TRIAD for a recreational reuse scenario for Brownfields redevelopment.
- Specific activities conducted by NHSRC staff during the quarter that are not detailed in the attached TOSC and TAB project summaries are listed below:
 - 4/7/03 – Attended the NJDEP Quarterly Brownfields Meeting
 - 4/10/03 – Explored possible outreach opportunity for a RCRA site in Vieques Puerto Rico
 - 4/15/03 – Conference call with Headquarters and HSRC representatives on expansion of outreach efforts to include all media
 - 4/22/03 – Reviewed thermal treatment technology for potential application to hazardous substances remediation in collaboration with UMDNJ
 - 4/30/03 – Interactive Workshop for New Jersey Consultants on the Triad Approach applicability to Brownfields. Thirty Five participants from NJDEP, USEPA (Region 2 and TIO), environmental consultants, vendors and academia explored the potential barriers and opportunities. The workshop was developed and conducted by NHSRC staff with support from Region 2
 - 5/2/03 – Explored potential use of urban forestry support from Rutgers Agricultural extension service in response to a general inquiry from Camden’s Redevelopment Office
 - 5/6/03 – Participated in a conference call on headquarters briefing for Linda G. on TAB activities and opportunities
 - 5/8/03 – Prepared a technical memo to follow-up on the workshop of April 30 for NJDEP continued development of the Triad Approach for site characterization
 - 5/21/03 – Chaired (WL) the Trenton Brownfields Advisory Committee at NJDEP
 - 5/28/03 – Participated in the Headquarters TAB briefing

- 5/28/03 – Supported the NYDEC and Ulster Brownfields Pilot meeting on the potential for the use of the Triad Approach to support an Area application in Kingston – a grant application under the Brownfields program had been submitted for this potential project
 - 5/29/03 – Facilitated (WL) the New York Brownfield Pilot Roundtable in Albany
 - 5/30/03 – Attended the Trenton Brownfields Development meeting at NJDEP
 - 5/30/03 – Finalized presentation materials on the Trenton Triad Approach project for a presentation in Germany (WL)
 - 6/4/03 – Toured the World Trade Center PATH rebuilding project in conjunction with UMDNJ and Bechtel
 - 6/26/03 – Participated in CHSUE outreach update conference call
- Two parallel efforts continue to occur: 1) assessment of funding to support TAB and TOSC programs in Region 2; and 2) fielding expressions of interest from communities that are seeking support from either program. We continue to work through scope clarification or development as well as resource estimates.
 - Finally, we mourn the loss of our colleague Bill Librizzi who passed away this quarter during a trip that combined vacation and representing the HSRC's at conferences in Europe. We will remember his leadership and experience, his kindness and love for people, and his willingness to share these with us. On professional and personal levels we miss him.

University of Maryland Lead Projects in EPA Region 3

- Outreach staff, partnering with the International City and County Managers Association, is assisting in planning and hosting several Risk Communication workshops for communities and local governments that are faced with contaminated site issues.
- Outreach Director is a member and the Program Manager is the Chair of the Community Health and Protection subgroup of the Governor's Commission on Environmental Justice (EJ) 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 (EJ) and Sustainable Communities, assisting to highlight and address EJ issues in Maryland communities.
- 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.
- 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 continues to participate in the Environment and Health Forum and its advocacy subgroup to help inform policy makers on environmental health issues.
- 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 assisted in securing UMB School of Nursing as a co-sponsor and participant in an EPA Aging Listening Session to help identify the national agenda for the new aging initiative.
- Program Manager attended the two-day Mid-Atlantic Cumulative Risk Workshop in Philadelphia to gather knowledge and add Environmental Health Nursing insight.
- Outreach Director attended the TAB briefing to collaboratively discuss Brownfield Projects and the addition of Environmental Health as a resource.
- Program Manager assisted in organizing and participated in a briefing on the NRDC's Big Cities Drinking Water Report helping to inform the public of drinking water quality in Baltimore.

**Center for Hazardous Substances in Urban
Environments**

Outreach Quarterly Report

April 1 – June 30, 2003

Part B

TOSC and TAB Outreach Projects

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

Project/Community Name	Aberjona River /Industri-Plex Superfund site
City	Woburn
State	MA
EPA Region	Region 1
Community Contact	Anthony Imperioso
State Contact	N/A
EPA Contact	Joe Lemay
Institution/Center	ERI/ UConn
Outreach Director/Manager	Christopher Perkins
Project Manager/Coordinator	Kevin Hood
Allocation (TOSC, TAB)	TOSC
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: 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 appears 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>Activities: 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. We have attended two meetings with the council regarding the risk assessment and the external peer review. In addition we have attended the public meetings arranged by EPA for the distribution of the risk assessment reports.</p> <p>Future Activities Planned: TOSC will continue to act as facilitators between EPA and the City and community groups. We will also finalize the review of the risk assessment document by the end of the next quarter.</p>	

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

Project/Community Name	Ninigret Park
City	Charlestown
State	RI
EPA Region	Region 1
Community Contact	Virginia Wooten
State Contact	N/A
EPA Contact	N/A
Institution/Center	ERI/ UConn
Outreach Director/Manager	Christopher Perkins
Project Manager/Coordinator	Kevin Hood
Allocation (TOSC, TAB)	TAB
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: 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>Activities: TAB has preliminary discussions on options that can include a survey of the residents using the Bridgeport model to incorporate opinions related to its reuse. This idea appeals to both a community group and the Town Administrator. We have reviewed site assessment documents and have provided a recommendation that some additional characterization needs to be undertaken to assess if groundwater contaminants are entering Little Nini Pond. We have also recommended that some remediation take place to minimize potential additional/future contamination of the pond and other recreational areas.</p> <p>Future Activities Planned: TAB will be bringing in some expertise of the Conway School of Landscape Architecture to help the town and community undertake the visioning process for their park. 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>	

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

Project/Community Name	Newhall Coalition
City	Hamden
State	CT
EPA Region	Region 1
Community Contact	Ann Altman
State Contact	Shannon Wyndish (CT DEP)
EPA Contact	Jim Murphy
Institution/Center	ERI/ UConn
Outreach Director/Manager	Christopher Perkins
Project Manager/Coordinator	Kevin Hood
Allocation (TOSC, TAB)	TOSC
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: 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>Activities: During this period, TOSC has been acting as a facilitator between the CTDEP and the Newhall Coalition regarding the remediation plan. We have been asked by the community and CDEP to be the mediators for this process. We will also be coordinating the selection of the community coordinator who will be paid by CTDEP. The CTDEP did not include any representation from the coalition in an agreement on what to do with the landfill material. There have been 4 meetings attended by TOSC staff regarding this issue during this quarter.</p> <p>Future Activities Planned: 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 as they become available.</p>	

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

Project/Community Name	Mallory Hat Factory
City	Danbury
State	CT
EPA Region	Region 1
Community Contact	Jack Kozuchowski
State Contact	N/A
EPA Contact	Jim Murphy
Institution/Center	ERI/ UConn
Outreach Director/Manager	Christopher Perkins
Project Manager/Coordinator	Kevin Hood
Allocation (TOSC, TAB)	TAB
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>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. Some preliminary assessment done (Phase I and II) and this issue could minimize the ability to develop this property, if accurate.</p> <p>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.</p> <p>Activities: There are some issues with the completeness of on- and off-site characterization. TAB is working with the City to determine data gaps and help shape the follow-up sampling and analysis strategy. TAB has also been working with the City and Western Connecticut State University as a third party reviewer on a mercury phytoremediation project. 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.</p> <p>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 party reviewers. The community and town have tabled the risk assessment, but this may be required in the future.</p>	

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

Project/Community Name	Massachusetts Military Reservation (MMR)
City	Cape Cod (several towns)
State	MA
EPA Region	Region 1
Community Contact	Richard Jugus and other community members of the Impact Area Review Team
State Contact	Len Pinaud (MA DEP)
EPA Contact	Jim Murphy
Institution/Center	ERI/ UConn
Outreach Director/Manager	Christopher Perkins
Project Manager/Coordinator	Kevin Hood
Allocation (TOSC, TAB)	TOSC
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: 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>Activities: 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 7 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 raised during this quarter is perchlorate contamination and the fluctuating standards that are being proposed by EPA and the military.</p> <p>Future Activities Planned: Will continue to review documents as they become available. TOSC staff will continue to attend monthly IART meetings and weekly Technical Team meetings.</p> <p>We anticipate issuing an additional report on issues surrounding the applicability and confidence in groundwater the model being accomplished at MMR as the model is refined.</p>	

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

Project/Community Name	Regional Growth Partnership
City	New Haven
State	CT
EPA Region	Region 1
Community Contact	New Haven Regional Growth Partnership
State Contact	N/A
EPA Contact	Jim Murphy
Institution/Center	ERI/ UConn
Outreach Director/Manager	Christopher Perkins
Project Manager/Coordinator	Kevin Hood
Allocation (TOSC, TAB)	TAB
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: 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>Activities: TOSC/TAB is also helping to develop and launch a lead remediation program that had been long abandoned. A separate task force has been established for this purpose.</p> <p>TOSC/TAB is also assisting in a risk communication report and community education meeting regarding the “Mount Trashmore” and Chrome Plating sites.</p> <p>Future Activities Planned: TOSC/TAB will be closing this program out over the next quarter. This is in response to the reduced requirement upon TOSC/TAB to support this activity, as well as increased demands upon TOSC/TAB from other projects.</p>	

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

Project/Community Name	Abbott School Districts
City	Statewide
State	NJ
EPA Region	Region 2
Community Contact	N/A
State Contact	Paul Hamilton, School Construction Corporation, NJEDA
EPA Contact	N/A
Institution/Center	Northeast Hazardous Substance Research Center - New Jersey Institute of Technology
Outreach Director/Manager	Fred Ellerbusch
Project Manager/Coordinator	Fred Ellerbusch & Jim Mack
Allocation (TOSC, TAB)	NEW
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: 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>Activities: NHSRC was engaged in extensive contact with the School Construction Corporation, NJDEP, and NJDCA throughout the quarter to explore how the TAB program might assist. During the quarter we implemented a Triad Approach project for the Dudley Avenue School site in Camden to test how well suited it might be for an accelerated characterization of the property. Development of the Conceptual Site Model involved stakeholders leading to a Dynamic Work-plan. Field activities were completed late this quarter and the results are expected to be used in site acquisition decisions and future interaction with stakeholders. The use of the Triad Approach has already demonstrated the speed through which site identification and field planning and mobilization activities can occur. Data analysis took place in the field but will also be used to prepare a report and possibly a paper. One immediate benefit is the limited and reduced frequency (number of mobilizations) field time needed to complete sampling which is believed to result in quicker decision making and more rapid dissemination of data to stakeholders. While funds are not available to test whether such a benefit would reduce public cynicism we believe such a hypothesis could be formulated. We began exploring a potential new school site in Newark in an effort to quickly respond to a JHU research proposal which was submitted during the quarter.</p> <p>Future Activities Planned: Frequent meetings will continue. If our research proposal is funded we should be able to leverage both programs (TAB and Research).</p>	

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

Project/Community Name	Bloomfield, NJ
City	Bloomfield
State	NJ
EPA Region	Region 2
Community Contact	Mary Shaughnessy
State Contact	N/A
EPA Contact	N/A
Institution/Center	Northeast Hazardous Substance Research Center - New Jersey Institute of Technology
Outreach Director/Manager	Fred Ellerbusch
Project Manager/Coordinator	Fred Ellerbusch
Allocation (TOSC, TAB)	NEW
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: 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>Activities: A site visit was conducted late last year to examine conditions and meet with a community representative. Additional meetings were planned for the first quarter to discuss next steps, but scheduling conflicts and poor weather postponed these events. However, during the first and second quarters the community continued to be actively involved in development issues and we expect to provide technical support in the near 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>Future Activities Planned: Continued contact will take place during the third quarter to discuss next steps.</p>	

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

Project/Community Name	Buzby Landfill
City	Voorhees
State	NJ
EPA Region	Region 2
Community Contact	KK Wu, Buzby Landfill Task Force
State Contact	Steve Kehayes, NJDEP
EPA Contact	Larry D'Andrea, USEPA
Institution/Center	Northeast Hazardous Substance Research Center - New Jersey Institute of Technology
Outreach Director/Manager	Fred Ellerbusch
Project Manager/Coordinator	Fred Ellerbusch
Allocation (TOSC, TAB)	TOSC
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: 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>Activities: During this quarter we met with community leaders on several occasions to review documents submitted by responsible parties to NJDEP and respond with technical comments. The industrial portion of the landfill produces methane which is either vented or destroyed using a thermal treatment system. Community concerns were related to the decision logic of methane management as well as monitoring data quality. We helped interpret and formulate a community response to NJDEP.</p> <p>Future Activities Planned: Attendance at future Task Force meetings and additional document review and comment. A meeting among responsible parties has been planned to resolve open technical issues that were raised in our comments. Contingent on community and responsible parties interest there may be an opportunity to evaluate use of methane for power generation or recovery for use as a fuel.</p>	

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

Project/Community Name	Camden, NJ (Fettersville Community Organization/Macedonia Historical Association)
City	Camden
State	NJ
EPA Region	Region 2
Community Contact	Fred Martin, City of Camden
State Contact	Steve Kehayes, NJDEP
EPA Contact	Larry D'Andrea, USEPA
Institution/Center	Northeast Hazardous Substance Research Center - New Jersey Institute of Technology
Outreach Director/Manager	Fred Ellerbusch
Project Manager/Coordinator	Fred Ellerbusch
Allocation (TOSC, TAB)	TOSC
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: 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 fourth quarter of 2002.</p> <p>Activities: Follow-up discussions with community members continue to be difficult to schedule, we have made a number of contacts in Camden during this quarter which we hope will result in support of this project. We have identified the technical resources to support the community's desire to embark on phytoremediation.</p> <p>Future Activities Planned: A meeting will be attempted during the third quarter of 2003 to agree on specifics and begin the process of matching needs to expertise. There may also be an opportunity to link the community efforts to a larger effort involving the South Waterfront area of Camden.</p>	

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

Project/Community Name	Ft. Edwards, NY
City	Ft. Edwards
State	NY
EPA Region	Region 2
Community Contact	NG Kaul, USEPA
State Contact	N/A
EPA Contact	NG Kaul, USEPA
Institution/Center	Northeast Hazardous Substance Research Center - New Jersey Institute of Technology
Outreach Director/Manager	Fred Ellerbusch
Project Manager/Coordinator	Fred Ellerbusch
Allocation (TOSC, TAB)	TOSC
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: USEPA Region 2 Ft. Edwards Field Office requested TOSC community services support for the Fort Edwards Superfund project (website for the project is www.epa.gov/udson). 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>Activities: The scope of work was developed and agreement was reached with U.S. EPA Region 2 during the quarter. Last quarter the Region endorsed the collateral funding request for support. During this quarter the process of transferring the funds was started and a revised budget was developed to respond to funding constraints.</p> <p>Future Activities Planned: It is anticipated that we will begin community support during the third quarter of 2003.</p>	

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

Project/Community Name	Heart of Camden
City	Camden
State	New Jersey
EPA Region	Region 2
Community Contact	Chris Auth and Father Doyle
State Contact	Judy Shaw
EPA Contact	Larry D'Andrea, USEPA
Institution/Center	Northeast Hazardous Substance Research Center - New Jersey Institute of Technology
Outreach Director/Manager	Fred Ellerbusch
Project Manager/Coordinator	Fred Ellerbusch
Allocation (TOSC, TAB)	TAB
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: 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 & 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>Activities: During this quarter, our involvement with the community, leaders, City of Camden, NJDEP, and others was extensive to achieve the community's objective of investigating the environmental aspects of the redevelopment plan this quarter with City presentation early in the third quarter. Community meetings were held and facilitated sessions with community residents were conducted to address concerns and shape the outcome of the redevelopment plan. A meeting with Commission Campbell and Director Shaw was also held during the quarter to bring the plan to NJDEP leadership.</p> <p>Future Activities Planned: Presentation of the plan and environmental results are expected early in the third quarter with follow-up community interaction.</p>	

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

Project/Community Name	Ironbound Community Corporation
City	Newark
State	NJ
EPA Region	Region 2
Community Contact	Nancy Zak and Joe Della Fave
State Contact	Steve Kehayes, NJDEP
EPA Contact	N/A
Institution/Center	Northeast Hazardous Substance Research Center - New Jersey Institute of Technology
Outreach Director/Manager	Fred Ellerbusch
Project Manager/Coordinator	Fred Ellerbusch
Allocation (TOSC, TAB)	TOSC
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: 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>Activities: During this quarter we were asked to review the preliminary environmental investigation of the Murphy Varnish site prepared by consultants for the School Construction Corporation. The community and school district had identified the property, which had been home to the factory for nearly a century, as a potential school site. The preliminary investigation revealed that there was a high potential for contamination that might be very costly to remediate; we were asked to give our interpretation of the report and possible next steps. Despite the potential for contamination, the community and school district remain interested because it preserves scarce open space while using a site listed on the historic register. It was concluded that a site visit would be needed before a complete assessment could be made. During the quarter, press and political coverage of the site precluded a site visit but our involvement may pick up in the third quarter.</p> <p>Future Activities Planned: Continued contact will take place during the third quarter to discuss a site visit and next steps.</p>	

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

Project/Community Name	Long Branch Coal Gasification
City	Long Branch
State	NJ
EPA Region	Region 2
Community Contact	Wyatt Kenoly, Long Branch Concerned Citizens Coalition
State Contact	Paul Smith, NJDEP
EPA Contact	Larry D'Andrea, USEPA
Institution/Center	Northeast Hazardous Substance Research Center - New Jersey Institute of Technology
Outreach Director/Manager	Fred Ellerbusch
Project Manager/Coordinator	Fred Ellerbusch
Allocation (TOSC, TAB)	TOSC
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: 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>Activities: Additional documentation (e.g., NJDEP site inspection document and ATSDR petition) and a new principal contact are needed before this project can continue. We are prepared to assist however, there were no activities this quarter.</p> <p>Future Activities Planned: A site visit to develop an update on activities and how TOSC might help community members.</p>	

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

Project/Community Name	Camden, NJ Martin-Aaron
City	Camden
State	NJ
EPA Region	Region 2
Community Contact	Fred Martin, City of Camden
State Contact	Steve Kehayes, NJDEP
EPA Contact	Larry D'Andrea, USEPA
Institution/Center	Northeast Hazardous Substance Research Center - New Jersey Institute of Technology
Outreach Director/Manager	Fred Ellerbusch
Project Manager/Coordinator	Fred Ellerbusch
Allocation (TOSC, TAB)	TOSC
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: 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>Activities: A meeting with the representative from Camden was held during the quarter to determine if the project remains viable – it does. Due to illness, the project has languished. We learned that a joint proposal will be needed to obtain funds for the City of Camden, which would also support expenses and collaborative University efforts. In the interim, this site has been identified in the Heart of Camden master plan for South Waterfront section of Camden, which was rumored during the first quarter.</p> <p>Future Activities Planned: The scope of this project remains in flux, we will continue to seek clarification and refinement during the third quarter of 2003.</p>	

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

Project/Community Name	Environmental Quality Board, Puerto Rico
City	Island Wide
State	Puerto Rico
EPA Region	Region 2
Community Contact	Enid Villegas, EQB
State Contact	Same as Community
EPA Contact	Larry D'Andrea, USEPA
Institution/Center	Northeast Hazardous Substance Research Center - New Jersey Institute of Technology
Outreach Director/Manager	Fred Ellerbusch
Project Manager/Coordinator	Jerry McKenna
Allocation (TOSC, TAB)	TAB
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: NHSRC has been intimately involved in the development of the Voluntary Cleanup Program in Puerto Rico through the Environmental Quality Board (EQB). EQB has requested NHSRC assistance for public outreach support for its Voluntary Cleanup Program (VCP) initiative through an island wide conference, which was held on October 10, 2002. The conference focused on the VCP program launch and the new federal Brownfields legislation. Approximately 80 people attended representing a full spectrum of economic and regulatory interests; simultaneous translation services were provided.</p> <p>Activities: Additional planning sessions with Region 2 and island leadership were held on during the quarter with the objective of holding additional workshops for the third quarters of 2003. Currently, three additional regional sessions are envisioned to receive additional input on the development of implementing regulations for the VCP. Bill Librizzi was taking the lead for NHSRC in this project; we will transfer planning responsibilities to Jerry McKenna.</p> <p>Future Activities Planned: Additional regional sessions are envisioned; one of these sessions is tentatively planned for the third quarter of 2003.</p>	

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

Project/Community Name	Pen Argyl
City	Pen Argyl
State	PA
EPA Region	Region 3
Community Contact	Judy Piper
State Contact	William Tomyako, PA DEP Northeast Region Waste Management, Senator Lisa Boscola
EPA Contact	
Institution/Center	University of Maryland School of Nursing
Outreach Director/Manager	Dr. Barbara Sattler
Project Manager/Coordinator	Robyn Gilden
Allocation (TOSC, TAB)	TAB
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: 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>Activities: 2nd QRTR 2003 4/5/03 – nurse research consultant presented information on the survey at a community based landfill workshop. http://www.jhu.edu/hsrc/penargyl.htm 4/24/03 – sent community evaluation form to obtain feedback about the services provided and to give direction for the future of the partnership. 5/19/03 – received completed evaluation form from community member critiquing the Center’s assistance over the past 10 months. Overall comments were positive and the next goal they would like pursue is developing action steps following the survey and assessing ongoing effects of the landfill. 6/3/03 – Program Manager, Outreach Director, and Nurse Researcher attended community meeting and press conference related to the survey results. Discussed with community plans for follow-up activities and priority next steps based on indications in the survey of areas of concern. Final report will be placed on the website when available. 6/9/03 - convened meeting of outreach staff and nursing consultants to create presentation for disseminating survey results and to develop ideas for future community actions based on the results. 6/12/03 – received evaluation form from community member. Overall comments were positive. Next goals include disseminating the results of the health study to the public and</p>	

doing public education and outreach on the priority issues. Requested help identifying ways to accomplish this.

6/16/03 – created a presentation for the community to use for disseminating the results of the health survey. A final version will be posted on the Center’s website after the community has made final edits. Please find a rough draft copy attached.

Future Activities Planned:

The Center will continue to provide technical assistance related to the Brownfield site and advisement on community survey result dissemination.

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

Project/Community Name	Highway Petroleum Abandoned Gas Station
City	Cumberland
State	MD
EPA Region	Region 3
Community Contact	
State Contact	Karl Kalbacher, MDE
EPA Contact	
Institution/Center	University of Maryland School of Nursing
Outreach Director/Manager	Dr. Barbara Sattler
Project Manager/Coordinator	Robyn Gilden
Allocation (TOSC, TAB)	TAB
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description:</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 UST's 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 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>Activities: 1st QRTR, 2003</p> <p>3/7/03 – 3/12/02 – conducted phone interviews with numerous contacts in an effort to identify all stakeholders and to understand priority issues in the area. Contacts include Walter Finster, Director of Environmental Health for Allegany County; Frank Billard, Principal at John Humbird Elementary School; Rose Nittenberg, Chair of PTA for John Humbird Elementary School; Diane Johnson, Director of Parks and Recreation for Cumberland; and Jim Ortez, President of South Cumberland Business Association.</p> <p>Future Activities:</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 Environment
Outreach Activities Quarterly Report**

Project/Community Name	East St./Carroll Creek Brownfield Sites
City	Frederick
State	MD
EPA Region	Region 3
Community Contact	
State Contact	Karl Kalbacher, MDE
EPA Contact	
Institution/Center	University of Maryland School of Nursing
Outreach Director/Manager	Dr. Barbara Sattler
Project Manager/Coordinator	Robyn Gilden
Allocation (TOSC, TAB)	TAB
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: 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>Activities: 1st QRTR, 2003 3/3/03 – attended a meeting with Richard Griffin, Director of Economic Development for Frederick City. Gathered background information on the sites to be assessed and what groups in the area may be impacted. 3/7/03 – 3/12/02 – conducted phone interviews with numerous contacts in an effort to identify all stakeholders and to understand priority issues in the area. Contacts include Larry Bohn, Director of Environmental Health for Frederick County Health Department; Ellen Ristorcelli, Director of Nursing for Frederick County Health Department; Helen Monk, Health Services Specialist and liaison to Frederick County Public Schools; Madeline Morey, Local Management Board coordinating services for families and children; Emily Daniel, Director of Frederick Families First; and Tom Lynch, Committee for Frederick.</p> <p>Future Activities: 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 Environment
Outreach Activities Quarterly Report**

Project/Community Name	Hamilton Park
City	New Castle
State	DE
EPA Region	Region 3
Community Contact	Elder Louis McDuffy, Council Chair
State Contact	Lisa Riegel, DNREC
EPA Contact	Vance Evans
Institution/Center	University of Maryland School of Nursing
Outreach Director/Manager	Dr. Barbara Sattler
Project Manager/Coordinator	Robyn Gilden
Allocation (TOSC, TAB)	TOSC and TAB
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: 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- 19050'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>Activities: 2nd QRTR 2003 4/01/03 – received phone call from Elder McDuffy regarding #2 Fuel oil in soil and possible health effects. Began collecting information, also called for more information on depth and amount present. That information not yet available, McDuffy will contact us when he has received all the documents and then outreach staff will make a visit. 4/7/03 – Received large packet of information from community that had been requested related to soil analysis data. Information reviewed by Program Manager and Engineering Consultant. 4/10/03 – Received and reviewing another large packet of letters from Community to DNREC. Developed fact sheet on #2 Fuel Oil for community. 4/15/03 – Program manager and Engineering consult reviewed soil data and community letters. 4/17/03 – had phone conversations with Lisa Riegel and Franchon Beeks to gather information and to set up a time to meet and for document review for May 6. 4/22/03 – had phone conversation with Dr. Llewellyn, DE Division of Public Health, regarding his impression of health needs in Hamilton Park. 4/30/03 – received phone call from Elder McDuffy requesting termination of the MOU with TOSC/TAB. Stated reasons of community perception of conflict of interest between the Center, DNREC, and EPA and lack of our ability to be an advocate for the community.</p>	

Stated the community was appreciative of the information we provided on anthrax, arsenic, lead, radiation, and fuel oil and felt we had done what they asked of us.

5/20/03 – Final letter terminating TOSC/TAB assistance sent to Hamilton Park Community. (see attached letter).

Future Activities Planned: The Center has offered to be available to the community in the future if they have need of our services again.

Attachment:

July 17, 2003

Elder Louis McDuffy
27 ½ South St.
Hamilton Park
New Castle, DE 19720

Dear Elder McDuffy:

We have appreciated the opportunity to assist you. We hope the information we have provided on lead, arsenic, anthrax, radiation, #2 fuel oil, assessment and remediation issues, and referral for environmental health clinical expertise was beneficial.

You requested the following information during our last meeting regarding soil sampling.

During our review of the soil analysis data that you provided to us, we noted with particular concern the consistently high values of arsenic contained in many of the samples. The highest value for composite sample T48SSC08 was 60.7 ppm. Many values ranged between 20 and 45 ppm. The data tables indicated that the typical range of arsenic concentrations in Delaware is 3 to 19 ppm and that a typical clean up standard in Delaware is 11 ppm. These levels are 2-5 times the typical cleanup levels in the state.

EPA Document Number: EPA/540/R-95/128, July 1996, "Soil Screening User's Guide Technical Background Document, gives Soil Screening Levels (SSL) for arsenic of 0.4 ppm for ingestion and 750 ppm for inhalation. These levels are published as a guide such that when actual site levels are below the SSL for the chemical of concern, its presence can usually be disregarded as a health threat on the site in question. However, if values lie above the SSL, a more detailed analysis of the possible health effects of the substance in question is suggested.

Since much of the data provided to us is above the SSL for ingestion, but below the SSL for inhalation, a soil ingestion risk is suggested and further, site-specific analysis appears prudent. This suggestion is further strengthened since the data indicates arsenic soil contents above typical Delaware soils and well above the typical remediation in the state.

The data set that you provided also shows many values of lead content above the SSL of 400 ppm. These appear to be usually within a factor of two of the SSL and should be of less concern than the arsenic results.

It should be emphasized that the arsenic, and to a lesser extent the lead levels, suggest a need for further study, but do not indicate that an imminent health hazard exists to residents. If this avenue is something the community would like to explore further, you can discuss it with Delaware Division of Public Health or you may contact Lora Werner at ATSDR Region 3 in Philadelphia, (215) 814-3141.

Thank you for the opportunity to assist you. If you should ever need our services in the future, please let us know, otherwise we have completed our technical assistance to your community.

Sincerely,

Robyn C. Gilden, RN, MS
Program Manager

CC: Lora Werner, ATSDR
Dr. Gerald Llewellyn, Delaware Division of Public Health
Dr. Ralph Lightner, TOSC

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

Project/Community Name	Superfund and Brownfield Sites in Herring Run Watershed
City	Baltimore
State	MD
EPA Region	Region 3
Community Contact	Rich Hersey, Herring Run Watershed Association (HRWA); Lynn Ward, Armistead Gardens Homes Corporation
State Contact	
EPA Contact	Matt Mellon, Amelia Libertz, Carrie Deitzel
Institution/Center	University of Maryland School of Nursing
Outreach Director/Manager	Dr. Barbara Sattler
Project Manager/Coordinator	Robyn Gilden
Allocation (TOSC, TAB)	TOSC/TAB
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: There are multiple Brownfield sites and one Superfund site of concern in this community.</p> <p><u>68th 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.</p> <p>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, PCB's, and PAH's. 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.</p> <p><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 and EPA contractor.</p> <p>Activities: 2nd Quarter, 2003 4/11/03 – outreach staff attended planning meeting at Herring Run Watershed Association regarding the upcoming final listing of the site on the NPL. 5/19/03 – Program Manager and Engineering Consultant went on a site tour of the 68th St. Dump and attended meetings with EPA, local elected officials, MDE, and community stakeholders related to the proposal of the site to the NPL. 6/2/03 – outreach staff met with EPA EJ Intern working with HRWA for the summer to</p>	

provide guidance and information on assessing the communities in the Herring Run Watershed area with regards to environment, economic, health, and social aspects.

6/4/03 – outreach staff reviewed and commented on the PA/SI for the Lower Herring Run Park site and discussed findings with community members in preparation for a meeting with the city and the golf course company. At the meeting the comments were taken into consideration for next steps.

6/25/03 – met with HRWA and MDE to discuss ways of improving fish consumption notices and public education around the 68th St. Dump Superfund Site and along the impacted waterways.

Future Planned Activities

The Center will review documents related to the Brownfield sites and continue to advise the community in general on Environmental Health issues.

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

Project/Community Name	Central Chemical Superfund Site
City	Hagerstown
State	MD
EPA Region	Region 3
Community Contact	Kathleen Maher
State Contact	Andy Zahrins, Jim Richardson
EPA Contact	Eric Newman, Carrie Deitzel
Institution/Center	University of Maryland School of Nursing
Outreach Director/Manager	Dr. Barbara Sattler
Project Manager/Coordinator	Robyn Gilden
Allocation (TOSC, TAB)	TOSC
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: 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>Activities: 2nd QRTR, 2003 4/10/03 – program manager and engineering consultant attended first meeting of the Community Liaison Panel (CLP) for the RI/FS process. Also in attendance was a Preventive Medicine Resident from UMD. 4/24/03 – program manager attended meeting of the Future Land Use Committee as they continue their development of recommendations for EPA. Passed out interim evaluation form to get feedback from the community on TOSC assistance and direction for the partnership in the future. 5/8/03 – program manager and engineering consultant attended CLP meeting focused on Risk Assessment. 5/22/03 – program manager attended final public meeting for the reuse process. Evaluation form distributed to community to obtain feedback on TOSC services and areas for improvement. 5/29/03 – have received two evaluation forms from community members. Overall</p>	

comments were positive and one suggestion included increasing community awareness of TOSC services available. Outreach staff is in process of developing a center-wide outreach brochure, which will be used as one way to notify communities of Outreach Services.

6/12/03 - program manager and engineering consultant went on a tour of the site to observe where sampling has taken place and attended the CLP meeting focused on karst geology.

Future Activities Planned:

Will review Phase I sampling data when it is available, continue participating in community meetings, and develop education materials where appropriate.

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

Project/Community Name	Lamond – Riggs Park
City	Washington
State	DC
EPA Region	Region 3
Community Contact	
State Contact	Dr. Sreenivas, Deputy Bureau Chief, DC DOH; Dr. Koffy, DC DOH; Mick Butler, MDE
EPA Contact	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
Institution/Center	University of Maryland School of Nursing
Outreach Director/Manager	Dr. Barbara Sattler
Project Manager/Coordinator	Robyn Gilden
Allocation (TOSC, TAB)	TOSC
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>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.</p> <p>EPA Region 3 has recommended this site for TOSC assistance to help identify all stakeholders, provide education and information, and create a venue where all voices can be heard.</p> <p>Activities: 2nd QRTR 2003 6/6/03 – Spoke with Vance Evans about the site history and current activities. Requested list of key people involved from EPA, ATSDR, MDE, DC DOH, and the community to begin gathering information and identifying priority needs. 6/10/03 - Spoke with Andrew Fan about the site and gathered information and additional contacts. 6/11/03 – Spoke with Joan Shafer about the site and gathered information and additional contacts. 6/12/03 – Spoke with Lora Werner about the site and gathered information and additional contacts.</p>	

6/13/03 – Spoke with Mick Butler about the site and gathered information and additional contacts.

6/17/03 – Spoke with Dr. Koffy and Betty Ann Quinn about the site and gathered information and additional contacts.

Future Activities:

The Center will begin identifying stakeholders and priority concerns. The Center will participate in a public availability meeting in August.

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

Project/Community Name	Little Washington
City	Upper Marlboro
State	MD
EPA Region	Region 3
Community Contact	Darryl Harris, President
State Contact	
EPA Contact	
Institution/Center	University of Maryland School of Nursing
Outreach Director/Manager	Dr. Barbara Sattler
Project Manager/Coordinator	Robyn Gilden
Allocation (TOSC, TAB)	TAB
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: This community is concerned about a variety of facilities that impact the health and quality of life of its residents. There are clean fill landfills, rubble landfills, asphalt facilities, construction companies, and trash transfer companies, as well as the dust, traffic, and vehicle emissions that accompany these industries.</p> <p>The community has requested the Center to attend and present at a community workshop to inform residents of environmental health impacts in the area.</p> <p>Activities: 2nd QRTR 2003 5/31/03 – Presented at a workshop for community members on the basics of environmental health and possible exposures in their area and went on a tour of 24 sites of concern in the area. See links for copy of presentation and handout. http://www.jhu.edu/hsrc/ehimpact_files/frame.htm and http://www.jhu.edu/hsrc/eh%20impact%20handout.pdf</p> <p>Future Activities: Center staff will wait for community to identify priority issues and then provide input where related to Superfund or Brownfield Sites.</p>	