

December 30, 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 October 1 – December 31, 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 thirty-two communities during this period, encompassing eighteen TOSC and fourteen TAB projects.

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

October 1 – December 31, 2003

Part A

General Activities Supporting Outreach Efforts

**Annual Meeting of the Outreach Advisory Committee
Center for Hazardous Substances in Urban Environments**

The Annual Meeting was held from 9:00 a.m. – 3:30:00 p.m. on Friday, November 14, 2003 at New Jersey Institute of Technology (NJIT), in Newark, New Jersey.

Meeting Minutes:

In Attendance:

Hedy Alavi, Ed Bouwer, Jennifer Browne, Larry Charles, Rebecca Clouse, Fred Ellerbusch, Elissa Harris, Kevin Hood, Mitch Lasat, Ralph Lightner, David Kluesner, Jim Murphy, Gbemelolouwa Oguntimein, Vincent Pitruzzello, Nancy Porter, Mary Rosso, Judy Shaw, Ira Whitman, Sedley Williams, Shari Wilson, Hal Yates, Nancy Zak

Recorder(s):

Dawn Breeden and Fred Ellerbusch

Greetings from the Center Director:

Ed Bouwer welcomed all to the second annual outreach meeting. Ed and Hedy highlighted the Center's recent accomplishment by reviewing the Center's second annual report.

Greetings from the University:

Dan Watts, NJIT, offered greetings and a welcome to the campus on behalf of NJIT President and Vice President of Research and Development.

Greetings from the Chair:

Co-chairs Judy Shaw and Larry Charles welcomed all to the meeting.

U.S. EPA Superfund Program:

Jennifer Browne

The EPA Headquarters Superfund program is undergoing reorganization - a name change will take place as well. Forty Superfund sites have been completed this year and the National Advisory Committee is scheduled to work on Mega Sites - target date for report submittal is March 2004. A focus of the report is Community Involvement and the importance of the program.

Environmental Health and National Community Involvement Conference will be the 3rd week in June in Denver Colorado – Conference will focus on environmental health related issues.

Technical assistance grants are still available for community based organizations, however, performance measures must be indicated. The Technology Innovative Office established a Brownfields help desk.

Group Discussion

Discussed the impact of projects as they relate to the community with an overall goal of institutionalizing community involvement. It was suggested that the TOSC proposal selection process should move toward involving community members.

Judith Shaw suggested creating an Environmental Advisory Group to meet annually to proactively identify forward thinking organizations and identify problems facing communities.

Larry Charles also recommended that a small team be formed to discuss community involvement and determine how community groups can identify resources that could be used to assist them.

U.S. EPA Office of Brownfields Cleanup and Redevelopment:

Nancy Porter

Primary goals of the office are to protect the environment and create sustainable partnerships. Following a brief description of how funding of the Technical Assistance for Brownfields program has changed under the new law, she emphasized that the Office continues to value this program and that awards of the recently completed TAB competition should be announced soon.

The National Brownfields Conference will be held in St. Louis, Missouri next year.

Future opportunities – Link innovative technology to addressing Brownfields Initiatives as well as a perceived need of educating communities regarding institutional controls.

Office of Research and Development

Mitch Lasat

ORD Hazardous Substance Research Centers comprise a national program focusing on superfund related issues with the overall purpose of supporting the implementation of the superfund legislation. There are five regionally anchored HSRCs under five year grants. Funding has kept steady at approximately \$1 million/year per center with a research to outreach ratio of about 70:30.

- Center for Hazardous Substances in Urban Environments, Lead: Johns Hopkins University (EPA Regions 1, 2 and 3)
- S&SW HSRC, Lead: Louisiana State University - Management of Contaminated Sediments (Regions 4 and 6)
- Midwest HSRC, Lead: Purdue University - Innovative Treatments for Contaminated Sites (Regions 5 and 7)
- Rocky Mountain Regional HSRC, Lead: Colorado State University - Remediation of Mine Waste Sites (Regions 8)
- Western Region HSRC, Lead: Oregon State University - Characterization and Remediation of VOCs in Subsurface (Regions 9 and 10)

Outreach Programs include TOSC, TAB and TOSNAC – to assist Native Americans communities across the nation.

Community Perspective

Nancy Zak, Ironbound Community Corporation

The Ironbound Community Corporation is considered a grass roots organization that provides community services to approximately 50,000 people, mostly non-english speaking (Spanish and Portuguese) immigrants. While the Ironbound is considered by some as the most vibrant area of Newark, it is not without environmental health concerns that include rapid growth, dwindling open space, one of two most heavily dioxin contaminated sites in the nation, a solid waste incinerator, and the largest sewerage treatment facility in New Jersey.

The Ironbound Community Corporation is a multi-service organization that views environmental concerns central to their mission. Nancy discussed contaminants that exist in the area, the organization's fight for open space, and the recent success of reopening of Newark Riverbank Park. ICC has also led the charge to develop a Master Plan for the Ironbound area.

Group Discussion

The group also discussed the vision of the Macedonia Historical Association, which is led by Dorothy Lipscomb from Camden (who was unable to attend the meeting). Her near term vision is to re-tree the Fettersville section of South Camden to enhance the neighborhood, increase civic engagement, and utilize trees for phyto-remediation. She clearly needs the attention of people that can provide resources for the community. A slide presentation was presented to provide a visual of the struggles in Camden, and a newsletter was distributed in her absence.

Center Updates

Region 1

University of Connecticut - Kevin Hood

Region 2

New Jersey Institute of Technology - Fred Ellerbusch

Region 3

University of Maryland - UMBSON - Rebecca Clouse and Ralph Lightner,
Morgan State University - Gbikelolouwa Oguntimein and Sedley Williams

Open Discussion

The group enthusiastically supported including community members in future meetings.

Ira Whitman noted that the biggest missing sector that should be part of the advisory process is the private sector. He noted that since Sarbanes-Oxley directed changes in corporate accounting, many companies will be looking at redevelopment opportunities for their mothballed sites and might also be willing to investigate community involvement. He suggested that this might be an opportunity to add corporate funding to community outreach and challenged the group to reach out to the private sector.

Judy Shaw noted that NJDEP has endorsed and NJIT as been active in promoting the use of the Triad Approach for site characterization and suggested that a presentation on the Approach be a feature of next year's meeting.

Larry Charles, Co-chair of the OAC, charged the group to prepare a short document (2 pages) that addresses the following two items:

1. What strategies/procedures should be utilized to make sure communities know about the Center and the services that can be offered?
2. To what extent are community members participating in the selection of projects for the Center?

A focus group will be formed to address this issue. Hedy will follow-up with a request for input and assistance with the preparation of the document.

The next meeting of the Outreach Advisory Committee will be hosted by University of Connecticut.

A conference call is planned for volunteer representatives from community and environmental organizations to talk about the Centers and to elicit ideas about how they might more actively participate in our process.

University of Connecticut Principal Projects in EPA Region 1

- Passamaquoddy Tribe at Pleasant Point (Perry, ME): TOSC 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. Narragansett 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.

Attached is a thank you letter from tribal members for the support provided by the TOSC program.

- 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. No activity has occurred during this quarter.
- The City of Keene Department of Public Works has asked TAB to review and comment on their proposed Spill Containment Plan. Keene has had problems with oil spills and discharges into a nearby stream in the past. A tour of the facility gives us confidence that their plan will be actually implemented as the various service bays and repair bays are now well kept and orderly. TAB review and comments will occur during next quarter.
- 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

- 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
 - Continued the planning process for stakeholder outreach meetings
 - Held the City of Bayonne Brownfields Workshop on December 4, 2003
- 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 the planning process for a Superfund Site Redevelopment Workshop in Region 2, tentatively targeted for the first quarter of 2004, several stakeholder meetings were held to help prepare for the workshop.
- Followed-up the technical memorandum on the findings of the Dudley School study on the use of the Triad Approach for a school based Brownfields reuse scenario with an executive meeting to plan future activities.
- Continued planning and implementation activities associated with the USEPA-NJIT cooperative agreement on the use of the Triad framework in the Assessment and Community Assistance using an Areawide Approach. Meetings were held with Elizabeth Development Corporation to begin identification of affected properties within the NJDEP Brownfields Development Area as well as properties that had been listed on the Known Contaminated Site List to determine level of existing data at NJDEP. A list of sites was transmitted to NJDEP for file and case manager identification. A data gap analysis will be performed in the next quarter.
- Followed-up with stakeholders for the proposed TAB projects to retain interest while USEPA reviews the proposals.
- Continued and finally tabled NIEHS environmental justice funding discussions - while it was hoped that this avenue would be a mechanism to leverage outreach activities in the South Camden area of New Jersey the necessary stakeholders could not be assembled in time for the application deadline.
- Developed a project scope of work and tentative agreement for technical assistance for an Area Wide Investigation within the Hudson County Area Wide Assessment Project.
- Developed a project scope of work and tentative agreement for technical assistance for the New Jersey Meadowlands Commission Paterson Plank Road Brownfields Redevelopment Area project.
- Continued discussions with stakeholders in the NJDEP Brownfields Development Areas.
- Finalized and hosted the annual meeting of the outreach advisory committee for the CHSUE on November 14, 2003 and prepared draft minutes of the meeting.
- A Multi-media task force call was held on October 14, 2003. Subsequent multi-media funding discussions were held with J. Browne during the quarter and determined that expanding TOSC funding to beyond Superfund would be unlikely at this time - it was agreed that further efforts would be postponed. We volunteered to collect multi-media project examples for a possible presentation at the 2004 TOSC/TAB meeting.
- Continued discussions with the Government of Korea consulate on site assessment technology transfer opportunities.

- Attended the Second International Conference on Urban Health at the New York Academy of Medicine on October 16-17, 2003.
- New TOSC and TAB initial inquiries during the quarter
 - Discussions were held with the Broome County New York Brownfields team on participation and assistance for a Brownfield Seminar to be held in the first quarter of 2004.
 - Discussions were held with the Lackawanna New York Brownfields team on development of two workshops for 2004. A brief description of each workshop, one for Risk Assessment and one for Institutional Controls, was developed for consideration by the team.

Two parallel efforts continue to occur:

- Assessment of funding to support TAB and TOSC programs within Region 2; and
- 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 UMBSON. Several community members attended from groups currently being assisted by the TOSC/TAB program in Region 3. The next workshop was in Atlanta, October 6-7.
- 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 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 collaborating with Regional Administrator Donald Welsh and his staff on improving utilization of public health professionals in environmental protection activities. Meetings were also held with Dalton Paxman, Region 3 Health Administrator for US DHHS to discuss similar collaborations.
- Program Manager participated in a gallery walk at an Environmental Health Nursing Conference where the role of the community outreach program was discussed.
- Program Manager gave presentations to Nursing Classes at Salisbury University (MD) and Catholic University (DC) on nurses' roles at contaminated waste sites and the Hazardous Substance Research Center Outreach Activities.
- Program Manager attended a training workshop sponsored by Physicians for Social Responsibility on the *Emerging Links Between Chronic Disease and Environmental Exposure* in order to understand the latest research and how to translate it into understandable terms for communities.
- Program Manager attended the Brownfields 2003 Conference in Portland, OR and presented as session entitled *Health Professional's Roles in Community Involvement at Contaminated Sites*. <http://www.jhu.edu/hsrc/HCP%20BF%202003.pdf>
- Program Manager attended the American Public Health Association National Conference in San Francisco, CA and presented two sessions entitled *New Roles for Nurses: Working With Communities on Land Use Issues* and *Nursing Opportunities* <http://www.jhu.edu/hsrc/APHA%20New%20Roles%20For%20Nurses.pdf> and *Challenges In Community Empowerment at Hazardous Waste Sites* <http://www.jhu.edu/hsrc/NSG%20at%20HWS%20APHA%202003.pdf>
- Program Manager is assisting on the TOSC/TAB/EPA 2004 conference planning committee.
- Program Manager is assisting to create a module on contaminated soils and community outreach for the on-line Advanced Environmental Health Nursing class that is part of the

Environmental Health Nursing Master's Degree at University of Maryland School of Nursing.

- Program Manager is collaborating with representatives from NOAA and NEETF to improve Environmental Health knowledge of Meteorologists so they improve communication with viewers on risks to their health and ways to protect them.

**Center for Hazardous Substances in Urban
Environments**

Outreach Quarterly Report

October 1 – December 31, 2003

Part B

TOSC and TAB Outreach Projects

SUMMARY
Center for Hazardous Substances in Urban Environment
Summary of Outreach Projects
October 1, 2003 to December 31, 2003

EPA Region	TOSC	TAB	Total
I	5	7	12
II	8	4	12
III	5	3	8
Total	18	14	32

**Center for Hazardous Substances in Urban Environments
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/ Paul Maderios
State Contact	N/A
EPA Contact	Joe Lemay
Institution/Center	ERI/ UConn
Outreach Director/Manager	Christopher Perkins
Project Manager/Coordinator	Christopher Perkins/ 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 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>Tufts University and TOSC personnel provided a comprehensive review of the human health and ecological risk assessment for the Aberjona River. The reviews of these reports were extensive, due to the reports large size and complexity, and consumed approximately 140 man-hours to complete. The Comments for the ecological risk assessment were submitted to EPA, to be incorporated into the formal comment process.</p>	
<p>Activities: Two reports were prepared, one each reviewing the human health and ecological assessments. Comments for the ecological risk assessment were submitted to EPA during the last quarter, and the human health comments were submitted to EPA in October. These comments were incorporated into the formal comment process. TOSC also made a formal</p>	

presentation to the Woburn City Council and concerned citizens. As a result of this meeting, the Council has also asked TOSC to review risk to residents in the flood plain of the Aberjona river. We have received various GIS maps and overlays and are in the process of comparing these with soil chemistry data to help assess if individual residences are in areas where contaminants are of concern, the most significant contaminants of which is historic arsenic from the infamous wells G and H area.

Future Activities Planned:

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, provide education on the risk assessment process, and answer any question regarding our interpretation and review of the assessment. We will finalize our review of the floodplain data and make a presentation to the city council.

Additionally, in the near future, EPA will be releasing their risk assessment of the corridor north of Interstate 128. TOSC will be tasked to review and comment upon this document as well.

**Center for Hazardous Substances in Urban Environments
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. Nitrogen is causing explosive growth of an invasive pond weed “milfoil” filling the pond in warm weather requiring daily threshing to keep the pond usable for swimming.</p> <p>We will be working with the Ninigret Park Contamination Study Committee.</p> <p>Activities: 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. We have received a preliminary proposal from the Conway School on proposed activities and initial thoughts on the visioning process.</p> <p>We have provided maps and schematics, including site photographs to the school.</p> <p>The elevated nitrogen is likely coming from the fertilization of nearly soccer fields and resulting drainage into the pond by abandoned pipes which have been observed on historic maps. TAB has recommended a series of pollution prevention measures which include the plugging of the pipes and reduced fertilizer applications. To help mitigate the explosive growth of milfoil, TAB researched and recommended that a triploid (sterile) species of grass carp be introduced to eat the milfoil. This is presently being done in 23 other states to control</p>	

for invasive species. This recommendation is being considered by the town and the R.I. DEP.

TAB was also asked to review plans for a high density “high-tech” septic system for a proposed condominium complex that abuts the park. This complex would not be on town water or sewer and the density and volume of effluent would exceed current regulations. Variances have been applied for by the developer. TAB recommend against the system based on a literature review and an assessment of past experiences with this system in Oregon. The system is design, installation, and most of all maintenance sensitive. Tab recommended that if installed, a bond be required to protect, the town from system failure in the future.

We have attended four meetings with the committee to facilitate the follow up contaminant delineation activities and two site visits to obtain digital photographs and maps for the Conway School.

Future Activities Planned:

The initial visioning process for the site design with the students of the Conway School will occur in May of 2004. As part of this process we will hold meetings where all stakeholders can share their vision for the park and an overall site design concept can evolve.

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

Project/Community Name	Newhall Coalition
City	Hamden
State	CT
EPA Region	Region 1
Community Contact	Ann Altman/ Elizabeth Hayes
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>CTDEP is utilizing an several outside contractors to act as mediators and outreach personnel for this program. TOSC will provide technical support to the Newhall Coalition.</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 attended 13 meetings during this quarter regarding this program. TOSC personnel have been working on a nearly daily basis with the Coalition to review documents, advise them on possible courses of action, and answer technical questions.</p> <p>Future Activities Planned:</p>	

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.

TOSC has been asked to review two epidemiological studies that are soon due to be released, one by the local health district and another by a Yale graduate student and the Environmental Justice Network

At the request of the Newhall Coalition, key members will be given a seminar on laboratory testing and sampling processes, which are relevant to their project. This will build capacity within the organization by increasing their working knowledge and confidence.

There have been delays in the release of the site assessment and remediation plan documents during the next quarter. TOSC will be reviewing these as they become available and providing comments to the Newhall Coalition.

**Center for Hazardous Substances in Urban Environments
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. 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.</p> <p>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.</p> <p>Activities: During this quarter, TAB reviewed their quality assurance project plan (QAPP) and provided recommendations for improvement. Additionally, we have had 2 meetings and three conference calls regarding the QAPP and our proposed comments and changes.</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 Environments
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 Hugus 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:</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. TOSC staff regularly meet with the military and their consultants during this quarter to discuss progress and future directions on their groundwater modeling.</p> <p>The key issue that has continued to be raised during this program is perchlorate contamination and the fluctuating standards that are being proposed by EPA and the military.</p> <p>Activities:</p> <p>This project requires two to four day long meetings per month, travel time, plus document review and phone time. A total of 9 meetings have been attended by ERI personnel this quarter. TOSC personnel attended monthly IART community meetings on Cape Cod as well as several weekly Technical Team meetings during this reporting period. We meet with the community members before the IART meeting to discuss key issues that need to be raised during the general meeting.</p> <p>We are also working with the study team (Military, Consultants, and IART) to find ways to</p>	

improve the presentation of the information to the IART, in order to improve the IART and Army interaction.

We are advising the community members of the IART on the validity of proposed remediation methods and timetables. There is a high level of contention on the proposed remediation due to its long history (i.e. many years of assessment with no remediation activity), the history of denial of problems and responsibility by the Military, and the very high costs of remediation. Current remediation focus is on perchlorate, a salt from solid rocket motor fuel and a propellant used in many military and fireworks applications. The EPA has not set a standard (the advisory is 4-18 ppb) but the current advisory from the Massachusetts DEP is 1 ppb. This contaminant is suspected of having health effects and is moving very fast in the groundwater, which is causing increasing citizen concern. Local water authorities are poised to shut down municipal wells at the first detection of .5ppb. This could cause water shortages in the summer of 2004 during the tourist season. We are working with the community to provide a review of the problems and issues regarding perchlorate and remediation options.

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.

TOSC is developing a series of half hour educational presentations for the monthly meetings, beginning with the strengths, and weaknesses of modeling. These meetings usually have at least 50 attendees, with representation from the community as well as other parties.

**Center for Hazardous Substances in Urban Environments
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: TAB has closed out this program during this quarter.</p> <p>Future Activities Planned: N/A</p>	

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

Project/Community Name	Rocky Hill
City	Rocky Hill
State	CT
EPA Region	Region 1
Community Contact	Jeanne Webb Chavez/ Glenn Parent
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: TAB is involved with two projects in Rocky Hill. The first projects is the assessment of a former police firing range in order to determine clean up requirements before marketing the site as a light industrial business location. Secondly, TAB has been asked by the town to advise them on use and processes associated with a closed 45 acre privately owned municipal landfill site. This site is expected to become the town’s responsibility resulting from nonpayment of taxes. The town’s original plan was to use it to store stumps.</p> <p>Activities: Project 1: After a review of historical documents, it was determined by TAB that the site had in fact been little used as a firing range. Preliminary review using a XRF analyzer determined that the soil was well under clean up levels. However three telephone pole “stubs” were found that had been used as target backstops, which would have to be disposed of contaminated waste. The Boston Lead Company of Middletown was contacted by TAB and Rocky Hill for confirmation of this opinion. After a joint site inspection they concurred with this opinion. The “stubs” have been removed and the site is being marketed. This project was completed during this quarter.</p> Project 2: The town was going to use it to store stumps and TAB strongly advised the town not to as heavy equipment traffic would damage the containment cap. This was later confirmed by the engineer who installed the cap 25 years ago. TAB is presently conducting research on potential end uses of the site, including recreational uses. TAB assisted the town in finding old records and engineering plans as an initial step. The town has also asked TAB to research the possibility of reopening the landfill for “trash to energy” ash from the regional waste facility. <p>Future Activities Planned: Continue researching potential end uses of the site and presenting these to the city.</p>	

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

Project/Community Name	Coltsville Redevelopment Project
City	Hartford
State	CT
EPA Region	Region 1
Community Contact	Carol Coburn - CSS/CON
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: A Community group- CSS/Con and the City of Hartford has asked TAB to review asbestos and lead remediation plans that were proposed as part of the revitalization project. The group was concerned that lead and asbestos would be released into the neighborhood and to tenants still occupying part of the complex.</p> <p>Activities: The lead and asbestos plans were reviewed and found to be appropriate. TAB has met with the developer and performed a site inspection tour. As a result, TAB made several recommendations to reduce the concerns of the affected parties. The recommendations have been followed to date. The major issues were related to a lack of notice to tenants when structures were being demolished and other communication issues. The project is continuing with follow up meetings and is expected to be short term. The redevelopment is moving along at a rapid pace and is expected to be substantially completed in 2004.</p> <p>Future Activities Planned: Attend follow up meetings as required.</p>	

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

Project/Community Name	Roosevelt Mills
City	Vernon
State	CT
EPA Region	Region 1
Community Contact	Larry Schaffer
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: Vernon, like many New England towns, has an abandoned textile mill that the town is trying to redevelop. Roosevelt Mills is a 100 year old concrete structure that is contaminated by dry cleaning solvent (TCE) and other contamination from the wool sweater production operations. TAB is assisting the town with technical issues related to the redevelopment of the property, including community outreach.</p> <p>Activities: TAB assisted the town with a presentation to the Connecticut Development Corporation to help secure further funding. This project is proceeding very well and on schedule with broad political support. TAB staff is in the process of advising the Town on results generated from site specific treatability studies.</p> <p>In December, Vernon’s Mayor met with TAB personnel and other ERI staff to discuss possible assistance with two other similar mill sites down gradient of Roosevelt Mills which are candidates for similar remediation. This assistance is necessary to help revive the key historic commercial core of Vernon.</p> <p>Future Activities Planned: Provide educational, outreach and technical support to the town as necessary.</p>	

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

Project/Community Name	Unnamed Fish and Game Club/ Lead Remediation
City	
State	CT
EPA Region	Region 1
Community Contact	Larry Webster-President
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)	TOSC
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: A seven hundred member Gun and Fishing club has asked TOSC to research, make recommendations and facilitate lead containment, lead recovery and eventual remediation. Recent development in the area of this club has increased awareness both by the community and the club. The clubs directors wish to be proactive rather than reactive. This is a very active club with rifle, pistol, skeet, trap and archery ranges. The club regularly hosts organized shoots and competitions of all types. At this time they wish to have their interest remain confidential.</p> <p>Activities: TOSC conducted research on remediation options, contractors and results of work done at other ranges. The EPA’s publication-Best Management Practices for shooting ranges will be used as the primary reference for this project. TOSC has assisted the group on the review and interpretation of soil alkalinity and type data, as a first step in making recommendations. TOSC has recommended using a “bio-clay” target that is biodegradable and alkaline, which is important to prevent lead mobilization. As a result of our recommendation, this was implemented.</p> <p>Future Activities Planned: TOSC will be developing a series of fact sheets and outreach materials on this issue which will be provided to fish and game clubs within Region 1.</p>	

**Center for Hazardous Substances in Urban Environments
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)	TAB

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

Project Description:

The New Jersey Supreme Court ruled in *Abbott v. Burke* 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.

Activities:

NHSRC continued to provide support through extensive interaction with the NJ School Construction Corporation and NJDEP throughout the quarter. During the quarter we followed up the completed Triad Approach site assessment for the Dudley Avenue School site in Camden by using the briefing material to prepare an abstract for a technical paper, which was accepted for publication in the first quarter of 2004. We began exploring two additional projects (Newark and Camden). Historic site investigation data were culled from NJ Transit files as part of the Newark School site project reported last quarter and January meetings have been scheduled for the Camden site. We also prepared a proposal for direct NJSCC project funding to leverage the limited TAB funds.

Future Activities Planned:

Frequent meetings will continue, and we will continue to provide technical assistance to the SCC/stakeholders as funding allows.

**Center for Hazardous Substances in Urban Environments
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)	TOSC
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. Contact was made during the quarter and additional meetings have been planned for the first quarter of 2004. We learned that the community continued to be actively involved in development issues and continues to generate interest in the press. Contacts with community representatives indicate continued interest in technical support; however, it has not resulted in any substantive requests this quarter.</p> <p>Future Activities Planned: Continued contact will take place during the 1st quarter to discuss next steps and support activities.</p>	

**Center for Hazardous Substances in Urban Environments
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, meetings were held with community and technical representatives on several occasions to review documents submitted by responsible parties to NJDEP, to respond with technical comments, and to review and comment on conceptual Master plans for development of the site. Community concerns related to the industrial portion of the landfill, which produces methane that is either vented or destroyed using a thermal treatment system, continued to generate interest. The community approved the conceptual Master plan for the landfill site and has also continued to explore redevelopment-funding sources.</p> <p>Future Activities Planned: Attendance at future Task Force meetings and additional document review and comment are expected. It is expected that based on continued community interest that we may support the evaluation on the use of methane for power generation or recovery for use as a fuel at some future date. 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**

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 of the 80-block area was conducted during the 4th quarter of 2002 and 3rd quarter of 2003.</p> <p>Activities: Follow-up discussions were held with community leadership during the quarter. The top goal is to embark on a tree-planting program for the area. NJDEP has ear-marked funding for urban reforestation and the community would like to explore how such funding might be appropriated. We have also identified the technical resources to support the community's desire to embark on phytoremediation and tree planting. We are continuing to explore how the Fettersville community efforts might be linked to those of the South Waterfront area of Camden</p> <p>Future Activities Planned: Additional meetings will be attempted during the 1st quarter of 2004 to develop a plan of action on tree planting.</p>	

**Center for Hazardous Substances in Urban Environments
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/HUDSON). 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: Meetings were held with the Region 2 project leadership at the Ft. Edward office and New York City to get appropriate background and perspectives. We also had the opportunity to meet with the interim advisory group, many of who will be appointed to the Community Advisory Group. We continue to review materials developed for the project.</p> <p>Future Activities Planned: The project will be kicked off during the 1st quarter of 2004 with a community and USEPA representative meeting at Ft. Edwards and additional meetings focused on quality of life performance standards.</p>	

**Center for Hazardous Substances in Urban Environments
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 continued to be extensive in order to achieve the community's redevelopment objective for the Waterfront South area. An update on the NJDEP Air Toxics study, which was started during the 3rd quarter to assess land use impacts on the residential neighborhoods, was held to report on interim findings. The report was used to evaluate the potential for leveraging TOSC funds with private funds to continue the environmental studies from a multi-media perspective.</p> <p>Future Activities Planned: Continued interaction with the community is expected during the 1st quarter to determine if non-USEPA funding will proceed 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**

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 continued to review the results of the environmental investigations of the Murphy Varnish site prepared by consultants for the School Construction Corporation. The follow-up investigation focused on soil, groundwater and interior surfaces and air space of the city-block building. The 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 continued to explore alternatives that would preserve or maximize open space in the area, which has been under intense redevelopment pressure - a possible scenario might involve combining plans for two schools to leverage open space. We also began to explore the joint NJDEP training program for community members on institutional controls.</p> <p>Future Activities Planned: Continued contact will take place during the 1st quarter to continue to explore alternatives and provide technical assistance.</p>	

**Center for Hazardous Substances in Urban Environments
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: No activities took place this quarter. The community has initiated legal actions and it appears our involvement may no longer be needed.</p> <p>Future Activities Planned: We will attempt to make contact with community during 1st quarter; if unsuccessful we will close the project due to inactivity.</p>	

**Center for Hazardous Substances in Urban Environments
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 complex 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: With project funding uncertain, no activities took place this quarter.</p> <p>Future Activities Planned: The scope of this project remains in flux, we will continue to seek clarification and refinement during the 1st quarter of 2004.</p>	

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

Project/Community Name	Ford Avenue Redevelopment Project
City	Milltown
State	NJ
EPA Region	Region 2
Community Contact	Denise Nickel, Middlesex County Improvement Authority
State Contact	Marie Franco-Spera, NJDEP
EPA Contact	Carl Struble, USEPA
Institution/Center	Northeast Hazardous Substance Research Center - New Jersey Institute of Technology
Outreach Director/Manager	Jim Mack
Project Manager/Coordinator	Jim Mack
Allocation (TOSC, TAB)	TAB
Project Environmental Issues, Center Commitments (MOU), and Activities Conducted:	
<p>Project Description: 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 among 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>Activities: During the quarter several systematic planning sessions were held with stakeholders, and we provided assistance for developing the Site Conceptual Model (SCM), draft Work Plan development, and facilitated additional Technical Subgroup meetings to focus on the Dynamic Work Strategy aspects of the Triad application.</p> <p>Future Activities Planned: Additional planning sessions will be held during the 1st quarter.</p>	

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

Project/Community Name	New York State Department of Housing and Community Renewal
City	Statewide
State	NY
EPA Region	Region 2
Community Contact	N/A
State Contact	Barbara Wigzell
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: 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>Activities: During the 4th quarter a meeting with the Assistant Commissioner and staff of the Environmental Analysis Unit was held to explore synergies and technical assistance opportunities. Follow-up discussions were held, but staff changes postponed additional meetings.</p> <p>Future Activities Planned: During the coming quarter NHSRC will continue to explore how TOSC support could be provided.</p>	

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

Project/Community Name	Lamont – Riggs Park
City	Washington
State	DC
EPA Region	Region 3
Community Contact	Councilman Adrian Fenty
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>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 Lamont – 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: 4th QRTR 2003</p> <p>Outreach staff attended and participated in a public availability session and a public meeting to assist residents, identify questions, and seek collaborative methods to answer those questions.</p> <p>Follow-up letters were mailed to interested community members who signed up at the public meeting and also to general community groups in the area who may be interested in our services. The Center received a reply from MDE regarding our ability to assist other communities with concerns about UST’s and petroleum contamination. Staff commented our services were available to any community in Region 3 and would consider each request as it came.</p> <p>Future Activities:</p> <p>The Center will continue identifying stakeholders and priority concerns. The Center will convene a listening meeting with all interested parties if requested.</p>	

**Center for Hazardous Substances in Urban Environments
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>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>Activities: 4th QRTR 2003 Elder McDuffy sent a large packet of documents to The Center with some letters and a Resource Recovery Permit Renewal Application from Clean Earth, Inc. and asked for a review of the application. Although review of a RCRA permit does not necessarily comply with the services offered by The Center, the permit was briefly reviewed and comments sent to the community. It was explained to Elder McDuffy that, in the future, he would need to contact us first before sending documents for review to ensure it is an appropriate use of the Center and that there is sufficient time to provide a response. If further requests come from the community a new MOU will need to be established.</p> <p>Future Activities Planned: The Center will continue to find additional resources for the community to utilize for their various requests that are not within the scope of the Center's capabilities.</p>	

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

Project/Community Name	Metachem
City	Delaware City
State	DE
EPA Region	Region 3
Community Contact	
State Contact	Charles Bussey
EPA Contact	Trish Taylor, Michael Towle
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>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>Activities: 4th QRTR, 2003</p> <p>The Center for Hazardous Substances in Urban Environments (CHSUE) received a call from Elder McDuffy on December 8, 2003. Elder McDuffy is a concerned citizen that lives about 15 miles from the site. He has been in contact with EPA and Trish Taylor, the CIC for the site and had previously requested that EPA work with TOSC on the Emergency Removal actions. A letter from EPA was sent in August to Elder McDuffy explaining that EPA did</p>	

not have control over whom TOSC works with, but we would be willing to attend a meeting, and that the community would need to contact CHSUE if interested in assistance. The CHSUE did not hear anything further until December 5, 2003 when Ms. Taylor called to inform them that the community had again requested EPA convene a meeting. Outreach Staff spoke with Elder McDuffy on December 9, 2003 to assess what the community questions were and to work on setting up a meeting with TOSC, the community, EPA, and DNREC for sometime in January 2004. It was stressed that for TOSC to be involved at the site there needs to be interest from a group of community members, particularly those near the site, as Elder McDuffy's community is about 15 miles away. Staff requested the community assist in creating a contact list of people to be invited to the meeting including residents, local government, and others who would be interested. Staff also contacted EPA and DNREC to coordinate their presence at the meeting and asked them to provide information on the site cleanup, community involvement activities, and additional contact information for invitees.

Future Activities:

Outreach staff will organize a meeting for January 2004 including TOSC, community members, other local stakeholders, EPA, and DNREC. At that time outstanding questions will be identified and level of community interest in TOSC assistance assessed. TOSC will determine at that time what further actions are needed or requested.

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

Project/Community Name	Brooklyn/Curtis Bay – Potee-Garrett St. Site
City	Baltimore
State	MD
EPA Region	Region 3
Community Contact	Carol Eshelman
State Contact	Evans Paul (City)
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>This 8-acre site was initially a landfill followed by a junkyard/auto salvage operation that has been vacant for the past 15 years. Contaminants on-site include petroleum contaminated soils, drums of roofing material, lead, heavy metals, methane gas, and possibly UST's. The site is currently owned by the State of Maryland but will be purchased by Baltimore Development Corporation to be assessed under their EPA Brownfield Assessment Grant. The community has requested The Center's assistance with technical information and help with distributing information to the community.</p> <p>Activities: 4th QRTR, 2003 Outreach staff attended a meeting with the community group and prospective developers to discuss mutual goals and how to move forward on redevelopment plans. The Center was requested to provide input on site related environmental data to be obtained from Baltimore Development Corporation.</p> <p>Future Activities: The Center will review environmental data as it becomes available.</p>	

**Center for Hazardous Substances in Urban Environments
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>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: 4th QRTR, 2003</p> <p>Outreach staff attends the Community Liaison Panel bi-monthly meetings providing technical assistance and data review as information becomes available. Staff has reviewed preliminary Phase #1 sampling data and the screening assessment technical memorandum. Comments will be provided to the community, EPA, and the PRP group. The Phase 1 Report is expected to be delivered to EPA by the end of 2003. Questions from the community also arose regarding the difference between screening, detection, and cleanup levels, and Outreach Staff will create materials to help explain the content of the Phase #1 report.</p> <p>Future Activities Planned:</p> <p>Will review Phase I report, continue participating in community meetings, and develop education materials where appropriate.</p>	

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

Project/Community Name	Woodberry Land Trust
City	Baltimore
State	MD
EPA Region	Region 3
Community Contact	Jan Danforth
State Contact	Evans Paul (City)
EPA Contact	Lorie Baker
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>The site under investigation was formerly two landfills, one of which was uncontrolled. An EPA preliminary assessment conducted and reported in December 2001 shows presence of various VOC's, SVOC's, pesticides, and PCB's. A 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 has requested help in interpreting results of EPA's testing and in providing training on various options for remediation and health effects associated with contaminants at the site.</p> <p>Activities: 4th QRTR, 2003 Center received call from Jan Danforth regarding a heating oil spill that occurred near the community and that impacted Coldspring waters. Center staff talked with Bob Swan of the emergency removal branch at MDE to determine amount spilled, technique used for cleanup, and existing threats to the environment. It was determined that if a fine is going to be assessed, the Oil Program Enforcement branch will follow-up. Staff reported the information back to Ms. Danforth.</p> <p>Center staff was asked to attend, and did attend, a meeting with City Council President, Sheila Dixon, and Baltimore Development Corporation regarding the sale of the property and outstanding questions about site safety.</p> <p>Future Activities Planned: 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. If the project moves forward, The Center will provide input on permit applications to ensure community safety is adequately addressed.</p>	

**Center for Hazardous Substances in Urban Environments
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>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. In addition to the Center's assistance, Barbara Brady, a nurse researcher, and Erik Rifkin, an Environmental Risk Management Consultant have also aided the community. Ms. Brady has consulted on the design of the community health registry survey and performed data analysis, interpretation, and developed a summary report. Dr. Rifkin reviewed the proposed risk assessment work plan from the landfill operators, along with other communications, and provided guidance to the community on their responses and further questions. Dr. Rifkin also reviewed and provided comment on the completed Risk Assessment document.</p> <p>Activities: 4th QRTR 2003</p> <p>The community received results from Waste Managements Risk Assessment looking at exposure to dust and particulate matter. The community requested the Center to review and comment on the results. Although this particular document is not related to the Brownfield, our Center tried to provide assistance in the form of referrals to other groups who could provide assistance and Dr. Rifkin volunteered his time to review and comment on the assessment. Comments were given to the community contacts.</p> <p>Future Activities Planned:</p> <p>The Center will continue to provide technical assistance related to the Brownfield site and advisement on community survey result dissemination and follow-up activities.</p>	

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

Project/Community Name	Brook-Hancock-Jefferson Metropolitan Planning Commission
City	Weirton
State	WV
EPA Region	Region 3
Community Contact	Doris Davis
State Contact	
EPA Contact	Kristeen Gaffey
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>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.</p> <p>The BHI MPC has requested assistance from the Center for community outreach and technical assistance during the 2-year project.</p> <p>Activities: 4th QRTR, 2003 Center staff met with Doris Davis, of BHI MPC, to discuss community outreach for the proposed assessment sites. A proposal was submitted by the Center for review and revision. Center staff spoke with Ms. Davis again at the Brownfield 2003 conference in Portland, OR in October 2003 and she indicated at that time the community was still interested in the Center's involvement but it would most likely be early next year before they were ready to make a formal request.</p> <p>Future Activities: The Center will assess community information and outreach needs by identifying key stakeholders and forming a planning committee. The Center, BHI MPC, and the stakeholder group will develop outreach activities according to priority needs.</p>	