

*Local Hazardous Waste
Management Program
in King County*

**Project and Financial Report
through the
3rd Quarter of 2008
for the
Management Coordination Committee**

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Introduction:

This document is a combined progress and financial report for the 3rd quarter of 2008. It is intended to report on all of the program's substantive work and its budget status by project. The program's efforts are bounded by its Mission, which is stated below. Out of that Mission, the program staff and MCC Members developed seven Strategic Goals. Under each of the Goals are Objectives to help achieve those Goals. A suite of Projects has been developed to actuate the Objectives. Those Projects are the core of the actual work of the program. Each Project has an annual work plan and a budgeted amount for its implementation. Those Projects may address multiple Goals and Objectives, but they, in aggregate address all of the Strategic Goals and their associated Objectives. The heart of this report describes the accomplishments through the 3rd quarter, some setbacks, and the status of the budget for each Project.

Mission of the Program:

The Local Hazardous Waste Management Program in King County (program) is a multi-jurisdictional program whose mission is to protect and enhance public health and environmental quality throughout King County by reducing the threat posed by the production, use, storage and disposal of hazardous materials.

Our Seven Program Goals and Major Objectives:

Goal 1: Work upstream* to reduce the production of hazardous materials and products.

- A. Facilitate Product Stewardship activities that result in voluntary product reformulation and/or discontinuation of product sales.
- B. Operationalize the Precautionary Principle.

Goal 2: Reduce availability and use of hazardous materials and products.

- A. Reduce the Availability or Use of Select Products or Materials.

Goal 3: Reduce public and environmental exposure to most problematic hazardous chemicals.

- A. Increase Private Sector Involvement in Reducing Risks Associated with Hazardous Materials.
- B. Reduce Human/Environmental Exposure from Business/Residential use of Hazardous Chemicals.

Goal 4: Reduce exposure of vulnerable and traditionally underserved populations to hazardous chemicals.

- A. Reduce Vulnerable and Traditionally Underserved Populations' Exposure to Hazardous Materials.

Goal 5: Facilitate proper hazardous waste management.

- A. Enhance the Interagency Compliance Team's Ability to Respond to Troublesome Sites.
- B. Provide On-going Assistance to Cities, Small Quantity Generators and Others.
- C. Promote Waste-Management Practices Consistent with Guiding Principal No. 16.

- D. Provide Household Hazardous Waste Collection Services that Meet Customer Needs.
- E. Facilitate Convenient and Affordable Business Small Quantity Generators (SQG) Waste Disposal.

Goal 6: Develop and maintain strategic relationships and partnerships.

- A. Institutionalize the Program's use of Partnerships and Develop Partnerships.

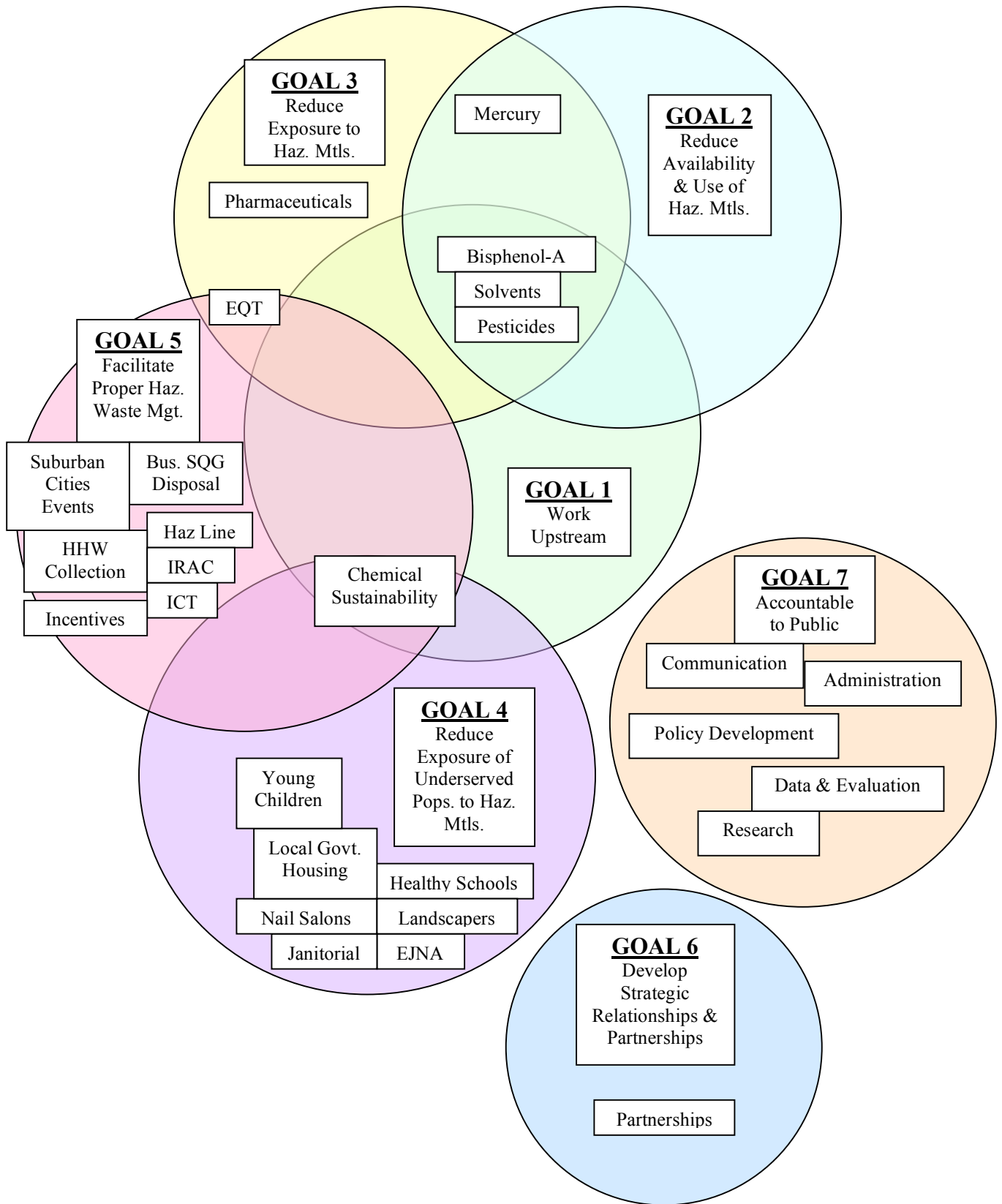
Goal 7: Be accountable to the public.

- A. Strategically Focus the Program's Research Efforts.
- B. Improve Program's Data Collection and Management Systems.
- C. Develop a Communications Strategy that Builds Support for Program Priorities.

List of Projects that address the Goals:

- Administration
- Bisphenol-A
- Chemical Sustainability {Industrial Materials Exchange (IMEX,) Industrial Ecology (IE,) Toxic Use Reduction Institute (TURI,) Precautionary Principle}
- Communications
- Data
- Environmental Justice in Action (EJNA) {Green Home kits, ECOSS (Environmental Coalition of South Seattle)}
- Environmental Quality Team (EQT) {Flood Hazard Zones, On-site Sewer Systems, Groundwater/Aquifer/Wellhead Protection, Business Waste Line}
- Healthy Schools
- Household Hazards Line
- Household Hazardous Waste (HHW) Collection {at 2 Seattle Facilities, 1 King Co. Facility at Factoria, and the Wastemobile}
- Interagency Compliance Team (ICT)
- Incentives (EnviroStars and Vouchers)
- Interagency Resource for Achieving Cooperation (IRAC)
- Janitorial Services
- Landscape Businesses
- Local Government Housing Authorities
- Mercury
- Nail Salons
- Partnerships
- Pesticides
- Pharmaceuticals
- Policy Development
- Research
- Solvents
- Small Quantity Generator (SQG) Disposal (for Businesses)
- Suburban Cities Events
- Young Children

Which Projects address which Strategic Goals:



Overall Budget & Expenditure Summary:

2008 Budget and Expenditures by Program Partner Agency and Function

Agency/Function	2008 Budget	Expended thru 3rd Qtr	% of Budget Expended
Seattle Public Utilities	\$2,527,395	\$1,414,687	56%
King County Solid Waste Division	\$3,635,514	\$1,454,291	40%
King County Water & Land Resources Div.	\$4,426,485	\$2,601,827	59%
Public Health - Seattle & King County	\$2,954,449	1,885,869	64%
Suburban Cities	\$420,000	131,347	31%
Other (segregated) Budget Items*	\$110,610	\$26,025	24%
Totals	\$14,074,453	\$7,514,046	53%

*These segregated items include amounts for: permitting/inspections by Public Health of the Suburban Cities collection events, program Fund auditing, emergency clean-up of dangerous toxic sites, and charges to the program Fund for transactions through King County's financial system.

Project Descriptions & Status:

Administration

Project Coordinator: Jay Watson

Jay Watson was hired as the new program administrator at the start of the 2nd quarter. He and staff worked with Core Team and the MCC to complete the 2009 program budgets, as well as a budget for the program administrator's office.

Staff developed and submitted a Coordinated Prevention Grant application to Ecology to help offset the cost of, and provide support for, the program plan update process. That grant was awarded at the end of the 3rd quarter. Staff also helped Core Team members finalize and submit the response to the King County Council's budget proviso on the King County portions of the program's 2008 budget.

Staff began regular meetings with the administrative team to more effectively coordinate cross-program services and functions. Those cross-program areas include: financial management, communications, policy development, data management, evaluation, and research. Staff also worked with the MCC Chair to develop a proposed process to update the program plan and began presenting the process to various constituencies. We also worked with Ecology on their plan update guidelines that will bear directly on our plan update.

During third quarter, staff developed recommendations for improving household hazardous waste collection services. These include expanding collection service in the northeast and south parts of King County if financially feasible. We moved forward with revised fiscal policies to address the financial procedures audit. And we continued our tracking of the program's 2009 budget through the King County budget approval process.

The total program administration cost is approximately 10% of the overall program budget.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$1,425,769	\$979,428	69%

Bisphenol-a

Project Coordinator: Cynthia Balogh; Core Team Lead: Dave Galvin

Bisphenol-A is an endocrin disruptor that is a component of polycarbonate water and baby bottles, a liner for most food cans and is present in many other consumer products.

We witnessed a sea change in public opinion nationally regarding BPA, with several major retailers, including REI and PCC locally, removing polycarbonate baby bottles from their shelves. And nationally, Nalgene switching to a non-BPA material for its popular water bottles. While the scientific and regulatory debate continues in the U.S., Canada has proposed a ban on baby bottles made with BPA containing polycarbonate, and manufacturers and retailers are reacting to consumer pressure. Some of the momentum slowed in the 3rd quarter as more assertions of BPA's harmlessness were made by industry and FDA. The National Institutes of Health, however, still cited "some concern" over BPA in consumer products.

Increasingly, can linings are mentioned in the press and other public outlets as a major source of BPA. This is in contrast to a year ago, when baby bottles, sippy-cups and "Nalgene" bottles were almost the exclusive focus. To reach the most vulnerable developmental times, prenatal and infants, we are focusing on reducing the exposure of the pregnant women and all women of childbearing age.

We completed a comprehensive report with recommendations on BPA from research in 2007. Staff again worked on a draft policy statement based on feedback from the Public Health Director and MCC, however, that overarching approach may not be pursued, as opposed to a variety of direct and indirect efforts, including encouraging "de-selection" by consumers.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$79,802	\$53,831	67%

Chemical Sustainability

{Industrial Materials Exchange (IMEX,) Industrial Ecology (IE,) Toxic Use Reduction Institute (TURI,) Precautionary Principle}

Project Coordinator: Jeff Ketchel; Core Team Lead: Ryan Kellogg

This Project includes several components. The Industrial Materials Exchange program (IMEX) brings together industrial manufacturers to allow exchanges of materials that one manufacturer might have too much of or doesn't need anymore to swap for materials that another manufacturer has and wants to exchange for the first manufacturer's goods. Staff is discussing the possibility of future web site upgrades with the web team.

Industrial Ecology is an effort that tries to match manufacturers in situations

where one manufacturer's waste might be another manufacturer's needed production input. Through this quarter, the primary Industrial Ecology effort included developing a framework for a material flow assessment tool (MFAT.) This tool will bring together population, business, and chemical datasets in a graphical format so that we can clearly define the location and distribution of chemicals in King County, and thus helping to close the chemical policy data gap. The MFAT framework is largely developed, as well as the evaluation of databases that could be used to fill the system with data. The main challenge is to get good data on chemicals. Unfortunately, no single data source exists that connects chemical information with individual business sites. As a result, staff is looking at policy options that include compiling several different data sources, creating a new data source, or making inferences based on other similar cases. An MFAT options paper is being prepared for Core Team to decide how to move this project forward.

Other Industrial Ecology activities include facilitating the Seattle King County Industrial Ecology Roundtable (SKIER), and participating in Byproduct Synergy Northwest, which is based on a model developed by the US Business Council for Sustainable Development. A key focus of our involvement is to help make the connection between economic development and toxics reduction. SKIER continues to grow with the most active partners including King County Solid Waste, Seattle Public Utilities, our program, and King County Business & Economic Development.

The Northwest Product Stewardship Council's Chemical Policy Subcommittee is helping to communicate and coordinate regional chemical policy efforts and includes state and local agency staff from Washington and Oregon. Those staff have moved forward with a "Cities Report" that will estimate the costs of existing chemicals policy to local governments, such as the chemical impacts to solid waste and wastewater management costs. Subcommittee members are also contributing to other discussions at the WA State level regarding Toxics Use Reduction Institute (TURI) related activities, which attempt to get at the front end of chemicals development to insure that chemicals are proven safe prior to their use in consumer products. Our staff has used their participation on the subcommittee to communicate our program's position, show support when appropriate, and provide technical assistance. These opportunities have included work on the 2008 WA State Legislative Session regarding House Bill 2818, and the State's Lead Chemical Action Plan panel meetings, and their Toxics Reduction Advisory Committee (which focused on building incentives for toxic material and hazardous waste reduction by businesses in Washington through technical assistance and incentives.)

Staff is contributing to other state and national dialogues on chemicals policy, including the Lowell Center Chemical Policy Dialogue, National Pollution Prevention Roundtable (P2) Policy and Integration Committee, and the California Green Chemistry Initiative.

In the area of environmentally preferred purchasing, which is at the heart of our attempts to implement the Precautionary Principle, staff completed a series of stakeholder interviews and convened a group of purchasing staff, resulting in a draft Environmentally Preferred Purchasing (EPP) Policy for Public Health. The policy was presented to management in the third quarter and is expected to be a model for similar policies in other program partner agencies. Staff has also partnered with Seattle and King County Parks on analyzing and reporting on the toxic properties of synthetic playing fields.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$234,242	\$162,724	69%

Communications & Website

Project Coordinator: Mary Rabourn; Core Team Lead: Dave Galvin

The communications effort is aimed at developing a strategic communication plan that will support the program's priorities, improve internal communication and strengthen communication with our suburban cities.

The communications team worked on several specific items through this quarter. Those items included:

- a publication inventory/creating an on-line tool with Lien Jardine to track, order and provide a history of publications and use;
- an updated Yellow Book (a business hazardous waste directory and technical support document);
- a draft of an updated program fact sheet;
- a collection of Project implementation success stories for use with various outreach and communication efforts;
- an effort to develop program key messages for use at the Project level;
- responses to media inquires and to project staff needs; and
- other planning and communications building work (e.g. reviewing team work plans, researching a web-based program newsletter, development of an on-line brochure tool, third quarter training sessions, etc.

In addition to the above efforts, the program's website developer, Wendi Parriera, has been working to update the program's web site. As of the end of the 3rd quarter, the content on the current web site has been reviewed, verified and updated. The web team has completed a draft of a new design for the program's web site.

The Communications Advisory Committee has been working towards significant updating and revisions to their web site. That web site will guide the review of all materials developed by all program staff for technical accuracy, readability and to ensure compatibility with the program's mandate and established policy positions.

The under-expenditure reflected at the end of the 3rd quarter is the result of the strategic communications effort not moving ahead. The program administrator is working with communications staff to reevaluate this effort and make sure it is focused for the highest benefit of the program.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$415,183	\$134,387	32%

Data Management

Project Coordinator: Lien Jardine; Core Team Lead: Dave Galvin

The Data Project involves recording our activities and automating reporting of those activities. It also underpins our evaluation efforts and supports individual Projects with individualized support as needed.

The data team continued building the ExtraNet data system for staff use. Concurrent activities that were pursued included module creation, staff training, deciding what past or "legacy" data would be imported into the new system, and report design and deployment. The data team also undertook the following activities:

- Set up "beta" versions of some key performance indicator reports for fostering coalitions and developing capacity on the ExtraNet.

- Legacy data decisions were made for what to keep and what criteria to apply to make that decision. Decisions were made for the Voucher (Incentives) program.
- Completed School Chemical Module for Healthy School project.
- Legacy Data Committee finalized field data collection forms and data migration plan.
- Completed technical build of Survey Module.
- On-going efforts were made to train program partners and staff on the ExtraNet.
- Continuing effort to manage the legacy and EnviroStars databases.
- Continuing effort to manage IRAC website and make enhancements.
- Met with the King County agency partner’s project coordinators to introduce them to the ExtraNet modules related to their projects.
- Sent out the 3rd quarter report request and instructions using the ExtraNet.
- Sent the Work Plan Workshop announcements and associated documents to staff using the ExtraNet.
- The Legacy Data Team sent Core Team a document compiling their recommendations for what data should move to the Extranet application.
- Several new modules were released for beta testing

The significantly higher expenditures through the 3rd quarter are the result of an increase in the work assigned to this project. That work involves automating the reporting system for the program. Additional funding has been assigned to this project to accomplish that added workload.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$159,985	171,548	107%

Environmental Justice in Action (EJNA)

{Green Home kits, ECOSS-Environmental Coalition of South Seattle}

Project Coordinator: Michael Davis; Core Team Lead: Ryan Kellogg

The Environmental Justice Network in Action (EJNA), Green Home Kits, and affiliated activities with the Environmental Coalition of South Seattle (ECOSS) are included in the group of program objectives directed at vulnerable and historically underserved populations. They do this through direct outreach to those identified groups and by supporting each of our Projects with their individual outreach efforts to different cultural and language groups.

EJNA includes agency and community-based partner organizations (CBOs.) CBO partners did cross cultural outreach at June-Teenth Celebration. 285 Green home kits have been distributed to date. Seasonal products included compost, plants, conservation devices (shower timers, shower heads, compact fluorescent lights or CFLs) emergency preparedness kits, crank radios, tattoos, and recycled pencils. City staff have been identified that can be used to check translations, but this will not work for non-City of Seattle program components. We will need to explore options with King County staff which might included establishing a King County volunteer language bank, budgeting for review of translated material, etc. Translation of household hazardous waste (HHW) Yes/No disposal flyer, Healthy Home Tips poster and shopper card have been delayed due to problems with translation services.

EJNA staff supported several projects with connections to specific ESL communities and messaging work such as translation assistance. Those projects include Low Income Housing, Nail Salons, Janitorial and Landscapers. EJNA supported 5 presentations for Low Income Housing staff, service providers and residents. That effort is expanding to Birch Creek in Kent. Staff also worked on and submitted a proposal to Core Team regarding Cultural Competency Training for all program staff.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$180,188	\$101,288	56%

Environmental Quality Team (EQT)

{Flood Hazard Zones, On-site Sewage Systems, Groundwater/Aquifer/Wellhead Protection, Business Waste Line}

Project Coordinator: Ray Verduzco & Terri Jenkins-McLean; Core Team Lead: Ryan Kellogg

The program's Environmental Quality Team addresses three environmental priorities: flood hazard zones, areas served by on-site sewage systems and wellhead/groundwater protection areas. These efforts address the program's continuing education and technical assistance work in areas considered at relatively higher risk from improper management of hazardous materials. The core work of this joint Environmental Health/Water and Land Resources team includes business outreach and assistance, and complaint response.

In the 2nd quarter, the team collectively responded to 13 requests for technical assistance, 16 complaints, 34 EnviroStars renewals, and 372 Business Waste Line calls. In the 3rd quarter, we were able to respond to the 22 technical assistance requests that we received within 5 days. We were able to respond to 15 of the 17 complaints within two workdays of their receipt. The team is continuing to work with King County GIS to develop a screening tool that will allow EQT staff to overlay business data with priority geographic/environmental areas. Initially, the team has chosen to focus on auto repair and dry cleaning businesses located in areas more sensitive to groundwater contamination. This includes areas not served by sewer, as well as wellhead protection areas.

Staff servicing our business line in the 3rd quarter addressed 481 total calls, up from 372 during the 2nd quarter. Thirty six percent of the calls pertained to paint, 16% to solvents, 17% to other items and 15% to fluorescent bulbs. Fourteen percent of calls came from property management, 7% from construction, 6% from government; and 44% from other industries. One hundred callers were referred to the small quantity generator (SQG) Disposal Pilot.

The team has also started to provide field support to the City of Redmond's Wellhead Protection Program (WHPP.) Currently, support has consisted mostly in providing site inspection training to new WHPP inspectors and a few site visits. We will coordinate with them whenever we have overlap, such as when our list of sites to visit calls for site visit within their jurisdiction. We've had preliminary discussions to provide field support to the City of Kirkland Storm Water team during their 2009 source control project. Purpose of their project is to provide best management practices to businesses in

areas that are susceptible to storm water contamination. They are aware that our support to them is based on our availability.

We continue to work with Public Health’s Wastewater Program, which regulates on-site sewage systems in King County. Title 13 was adopted by King County Board of Health on June 19, 2008. Revised on-site sewage (OSS) regulations contain sections that strengthen review of businesses located on OSS. The new provisions require applicants to demonstrate that industrial wastewater will not be discharged to their system, or to design a system that will treat or manage industrial wastewater properly. Staff continues to collaborate with Public Health’s Wastewater Program on review process and provision of program services to businesses in the program identified priority areas.

As part of their flood hazard objectives, the team put together a draft report on flooded businesses in Snoqualmie Valley and presented it to the Snoqualmie Forum. The presentation was well received and the general response was a need to continue work with the Snoqualmie Forum and the King Conservation District. We have also participated in a major outreach event in the 3rd quarter and presented Best Management Practices for businesses in flood areas. This presentation is an excellent tool for taking to other flood hazard areas in the County.

We will be meeting with the King Conservation District to discuss methods of introducing proper storage and disposal concepts and language into the grants and recognitions that the District uses with farmers throughout King County. Since most farmers are required to develop a Farm Plan, this could be a very useful tool to increase awareness and better storage of potentially harmful materials in flood zones.

The team continues to lead the program’s use of the new ExtraNet data system. One module in this system is designed to track key communications with our clients. The module allows us to track or document our communications (phone, e-mail, personal visits, etc.) associated with a project, site visits or requests for action (RFAs) for technical assistance or complaints.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$1,014,417	\$589,451	58%

Healthy Schools

Project Coordinator: Dave Waddell; Core Team Lead: Dave Galvin

The Healthy Schools Project addresses a broad variety of toxic and hazardous materials that might be found in public and private schools throughout King County, as well as teacher training and direct student lessons on request.

Mercury continues to be present in about half of the public and private schools visited by program investigators (a total 44 site visits in the 2nd QTR). Old thermometers and elemental mercury in science labs are the major sources. Also, high-hazard art chemicals are being found in one-third to one-half of the schools visited. These include heavy metal (cadmium and lead) containing glazes and paints, lead (for stained-glass,) hydrofluoric etching acid, and hexane/acetone solvent mixes. About half of the schools still have high-hazard laboratory materials, including hydrofluoric acid & bromine (poison/corrosive;) pyridine (poison/flammable;) ethyl ether (explosive/flammable;) chromate compounds (poison/oxidizer/corrosive/carcinogen;) and phenol,

lead & mercury materials (neurotoxins.) Staff are working with schools and school districts to ensure proper disposal of all of these materials, mostly through state contracts.

Dave Waddell and Lisa Niehaus have completed the development of a School Chemicals List, which combines ratings for hazards and describes the educational utility of 980 chemicals. A unique feature of this new database is the proposal of restrictions on chemical purchases, storage and use by appropriate grade level. This database has the potential to set the standard nationally for school chemical use.

Sixteen presentations were made during the 2nd quarter to 435 students. In addition, 63 teachers and school or district staff, such as custodians, were trained in environmental health and safety, or specifically on hidden hazards in the arts. Five presentations were given to a total of 68 new or expecting parents through groups such as PEPS.

This Project used some time from the priority solvents project to focus more attention to hazardous chemicals in products used in the arts, including photography, sculpting, painting, glass working, metalworking, ceramics, multimedia fine arts, theater stage crafts and design. Based on observations from this project and the solvents work, a new project was proposed that will focus on chemical hazards in the arts and with art-related materials.

This Project is working with the EQT to overlay school locations on a GIS map of priority areas, so that EQT field visits can include schools in priority zones such as groundwater/wellhead or flood hazard locations. Nine vouchers have been redeemed to help clean out dangerous laboratory chemicals in schools. And the School Chemicals Database has been put on-line in Beta format for review.

In the third quarter, staff held one workshop, with 63 teachers in attendance, for training teachers on the health and environmental risks associated with hazardous household products for their incorporation into the next school year's lesson plan. We contacted eight King County school districts about incorporating HHW into the FOSS Environments Kit. Received interested responses from Kent, Northshore, and Bellevue districts. Sent materials and information to these districts. The contacts promised to review the material and call back. Lesson materials were given to three schools upon request. Five presentations on hazardous household products were given to a total of 68 parents. Presentations were given to the Issaquah MOPS group, Magnolia Preschool Co-op, Tukwila Baby and Me, White Center Baby and Me, and the Bitter Lake Community Center PEPS group. And fifteen teachers attended our August workshop.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$272,111	\$159,897	59%

Household Hazards Line

Project Coordinator: Paul Shallow; Core Team Lead: Ryan Kellogg

This service is an information telephone line that is staffed Monday through Friday during regular business hours to address inquires about household hazardous substances. Hazards Line staff responded to 3,423 telephone and 72 email inquiries during the 2nd quarter. Four hundred-eighty of these calls resulted in appointments at the North Seattle Hazardous Waste Collection Facility, prior to the change from an appointments system to the drive up/on demand service launched at the start of May. An

additional 790 calls for appointments during the pilot were advised that no-appointment was necessary. Hazards Line callers were generally supportive of a no-appointment system. During the quarter, staff also developed a set of criteria to evaluate on-line appointment systems, which is an option that may be explored further if the pilot indicates we should return to making appointments.

Operational efficiencies were achieved by transferring back-up responsibilities from professional staff to administrative support staff. In addition, line staff took over the responsibility of responding to information requests received through the program’s Web site.

In the 3rd quarter, the staff answered 2,850 phone calls which were composed of: 737 calls related to latex paint and 640 to oil-based paint, 198 calls on fluorescent tubes/bulbs and 188 calls on TVs/computers. Those calls related to 874 about the north Seattle HHW facility, 285 about Factoria, 268 about south Seattle and 203 about the Wastemobile. Staff also responded to 75 emails from the public on various topics, both hazardous and non-hazardous.

Staff developed and implemented a process for taking over responding to HHW email information requests. We worked on promoting the use of the Hazards Line and the HHW sites by the greater distribution of “What do I do with my unwanted Household Hazardous Materials?” (HHW) brochure. We intend to work with Suburban Cities to distribute the brochure through their collection events. We are working on ways to promote the Household Hazards Line as resource for residents to call on less toxic alternatives.

The over expenditure in this project resulted from a combination of the assignment of additional work to more strongly support information provided to callers (i.e., researching information about alternatives,) as well as some time coding errors with other projects, that are being rectified.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$109,680	\$118,202	108%

Household Hazardous Waste (HHW) Collection

{Collection at 3 Fixed Facilities and 1 Mobile Facility}

Project Coordinator: Julie Mitchell, Jim Neely, Jim Talbot; Core Team Lead: Lauren Cole

Household hazardous waste (HHW) collection is a primary function of the program and approximately 29% of the program's overall budget is devoted to it. It takes place at one fixed facility in North Seattle and one fixed facility in South Seattle (both operated by Seattle Public Utilities,) one fixed facility in Factoria, and a roving, mobile facility (both operated by King County Solid Waste Division.)

The Collection Committee, made up of the staff from the North and South Seattle Collection Facilities, the King County Facility at Factoria and the Wastemobile, and others developed reuse product diversion plans for the South Seattle and Wastemobile facilities as a result of the closure of the Reuse Store at the end of the 2nd quarter.

The North Seattle Facility suspended their call-in appointment system as a pilot effort to make collection at that site more accessible. As a result, that Facility has been significantly busier.

The HHW service level study work group has continued to analyze the current level of program collection service and to develop recommendations regarding the optimal level of service and mix of fixed and mobile types of services throughout King County. The group is aiming towards a report to MCC in the 4th quarter.

Additionally, the program is seeing a significant change in the number of customers and volume of waste being taken in by our collection facilities because of the change to the policy of collecting latex paint: as of January 1, 2008, the HHW collection facilities operated by King County Solid Waste Division stopped accepting latex paint. As of January 1, 2008, the HHW facilities operated by Seattle Public Utilities have paid half of the cost of collecting and disposing of latex paint; Seattle Public Utilities has paid the remaining half of the costs.

As part of working toward a manufacturer-funded paint take-back system for latex paint, staff has been monitoring activities in Minnesota. Enabling legislation was vetoed that would have allowed the Minnesota demonstration project to begin in July 2008. The National Paint and Coatings Association will meet with the Minnesota Governor's office to discuss running the legislation during the 2009 session. Framework legislation is being considered in Washington, Oregon and California in 2009 and could include paint as one of the listed products. Washington, Oregon and Vermont were supposed to begin implementation of the paint product stewardship program in July 2009 but the delay of the demonstration project will most likely delay the start of the program until 2010 or 2011 or later.

The staff is researching policies about regional management of program-identified hazardous household wastes, which includes identifying key hazardous household products and materials, which warrant specific management. Used motor oil is the only material that is managed differently between the collection sites operated by SPU and King County. Separately, they have also started evaluating private sector oil collection management methods and feasibility of promoting changes. They expect to be finished in Q4.

The staff is working on recommendations for more equitable HHW service for Seattle and King County residents. The Residential Service Level Study (SLS) work group has developed proposed criteria for assessing household hazardous waste service level options and met its goal of presenting this information to Core 5 and the Management Coordination Committee (MCC) by the third quarter of 2008. MCC was briefed on the SLS results and recommendations. The MCC was also briefed on the HHW collection services that we currently provide, how the services are distributed, why the service level should be increased overall and the need to improve service delivery in

Northeast and South King County. There will be further briefings to the MCC in Q4 2008 for final disposition.

This table compares the Percent of Budget Expended as of the 3rd quarter of 2006, 2007 and 2008.

HHW Collection Service	2006	2007	2008
Factoria (King Co.) Facility	72%	66%	39%
North & South Seattle Facilities	58%	73%	56%
Wastemobile (King Co.)	73%	85%	48%

The significant under-expenditure reflected in the 3rd quarter is an artifact of disposal contractor billing lag time and does not reflect a true under-expenditure.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$3,989,121	\$1,808,967	45%

An additional component of our Collection system is the ReUse Store. That store distributed reusable household products that have been dropped off at program HHW facilities back to King County residents and non-profit agencies. Per the MCC's March 2008 decision, the ReUse Store was closed at the end of July 2008 because of its cost infeasibility and limited use by the public.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$446,104	\$258,700	58%

Interagency Compliance Team (ICT)

Project Coordinator: Sue Hamilton; Core Team Lead: Lauren Cole

Our Interagency Compliance Team (ICT) facilitates multi-agency efforts to bring historically and highly recalcitrant businesses into compliance with environmental and health codes, rules and regulations. We are working to improve the support of the King County and Seattle prosecutors' offices for ICT.

One new site was initiated/accepted/visited in the 2nd quarter, and three sites in the Rainier Avenue project have been visited. One new site has been initiated and visited in the third quarter. Four new "Networking" sites have been discussed and visited by individual members.

The team is also looking at ways to involve other appropriate King County departments as participants in ICT to help it become more effective in addressing and getting problem hazardous sites cleaned up. To address the need that member agencies will either participate in resolving issues relevant to their agency or are aware of other ICT activities, a letter that directs County Departments to assign staff to ICT has been drafted. The draft is under review by Core Team and program administrator.

Now that the ICT booklet is completed, the staff would like to work with the MCC to promote and request support from agency managers for staff support from their respective agencies.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$63,085	\$41,484	66%

Incentives (EnviroStars and Vouchers)

Project Coordinator: Laurel Tomchick; Core Team Lead: Dave Galvin

EnviroStars is a recognition program for businesses that maintain environmentally sustainable practices according to a tiered rating system. Our Voucher effort is aimed at providing vouchers of up to \$500 to businesses to help them take tangible steps towards reducing toxic chemicals/hazardous materials use in their business and manufacturing processes.

As of mid-year, there were 377 EnviroStar-recognized businesses within King County, including 18 that upgraded their star rating this year. A total of \$10,800 has been issued through mid-year in voucher incentives to 28 customers, including traditional businesses such as autobody shops, but also to nail salons, landscapers, the Seattle Opera and various middle and high schools.

The EnviroStars Program continued to work through the many logistical issues involved in expansion to a statewide program, in cooperation with the WA State Dept. of Ecology. These included the development of a licensing agreement for other Washington Counties and for the State, and gearing up a pilot project, involving the autobody industry, that will test the Environmental Results Program combined with EnviroStars incentives. The Automotive Services Association president requested a meeting to discuss how they can more closely work with EnviroStars to ensure that their industry continues to improve and support environmentally responsible practices. Around Earth Day, EnviroStars participated in booths at IKEA in Renton and at the Green Festival held at the WA Convention Center in Seattle.

The Incentives team continues to work with project teams. With the Nail Salon Project Team, we have been working on developing criteria and baseline compliance expectations for different star levels. With the Landscape & Janitorial Project Team, we worked to help develop relationships and community connections, prior to introducing incentives. An example is the work with Renton Technical College. Lastly, staff provided EnviroStars Landscape training to the Environmental Quality Team (EQT.)

EnviroStars certified 3 new businesses in this 3rd quarter, completed 21 renewals, 6 requests for technical assistance to become EnviroStars certified. Those resulted in 2 businesses becoming certified, and 2 working to improve their practices, and with initial contact made with the other 2. In the Voucher Incentive Program, we had a reimbursement total of \$4,322.42 through 11 vouchers in this quarter. We had \$5,566.68 reimbursed this quarter through the pharmaceuticals take-back project (PH:ARM) project. Both the VIP and EnviroStars programs experienced lower than expected participation, coinciding with less in-field recruitment.

This under-expenditure is the result of fewer vouchers being distributed. The program changed its distribution from a single point-of-contact for vouchers to a "targeted allocation" of vouchers through all projects. The use by the various project staff of vouchers has not been as thorough as desired and we are working to rectify this underutilization.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$431,403	\$227,967	53%

Interagency Resource for Achieving Cooperation (IRAC)

Project Coordinator: Debra Oliver; Core Team Lead: Dave Galvin

IRAC is an intergovernmental forum that provides a place for inspectors from multiple jurisdictions to address a variety of environmental problems collectively. Among those problems are hazardous waste and toxic materials issues. In this past quarter, IRAC’s Lead-Based Paint Workgroup completed its mission with two unexpectedly popular training classes attended by people involved in both the child care and the painting and construction professions. Many of those attending took, and passed, a test and received the US Housing & Urban Development’s LBP certification. Upon completion of its tasks, the workgroup officially disbanded as an IRAC entity, but may continue under our program through other lead-related projects.

Work continued in the two new IRAC workgroups: Granite & Marble Grinding and the Automotive Fluid Management. Granite & Marble Grinding workgroup researched how best to manage the waste from this emerging industry, worked with one agency on creating understanding and an interpretation of its rules to facilitate proper waste management, developed best management practices on disposing of wastewater and sediment, and created and published a brief brochure for inspectors to use in educating businesses.

Two new workgroups were formed: Electronic Waste and Spray Coating Operations. The IRAC/ICT promotional booklet was finalized and distributed to 40 agencies and suburban city officials during the 3rd quarter and emailed to all members. In order to increase knowledge of and consistency in application of regulations pertaining to the environment, health, and safety, IRAC team is creating a workshop to educate inspectors from all member agencies in recognizing and identifying violations and hazards, approaching different situations, and taking various roles in interagency multi-media inspections.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$195,203	\$132,969	68%

Janitorial Services

Project Coordinator: Emmanuel Rivera; Core Team Lead: Ryan Kellogg

The Janitorial services project works with the vulnerable/underserved population that provides the majority of janitorial workers (Spanish speakers) to identify potential work place hazards, and to develop and provide best management practices (BMPs) to help reduce their exposure to and generation of hazardous waste. Program staff is working with King County agencies to identify what common products are used and how to provide information about alternatives.

Project staff worked with the EJNA coordinator and King County recycling coordinator to develop workshops for the Hispanic and Russian/Ukrainian populations in South King County. Staff prepared for upcoming Latino Health Fair in Auburn and Latino Consumer and Business EXPO in Bellevue. We continued and maintained partnerships and relations with Auburn and Federal Way's Cultural Liaison staff and with Grace Community Church outreach staff. Additionally, an article in the *Real Change*

periodical featured the March 2008 "Cleaning with Caution" workshop at CASA Latina. The article was in the July 23-29, 2008 publication. The CASA Latina workshop report was finished in this quarter.

The web-based Dolphin Safe application was available for review through the end of August. Chemical inventory data was collected at two County office buildings for the Janitorial Services and Chemical Sustainability projects. Another worthwhile aspect of the project is the evaluation of the software, not only what it can do, but what it can't do. The evaluation report will include a section on the project's recommendation of attributes for an ideal chemical inventory tool, a tool that is useful for worker safety and Right to Know, LEED, Green Purchasing, individual product review, and chemical policy activities.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$113,375	\$72,460	64%

Landscape Businesses

Project Coordinator: Emmanuel Rivera; Core Team Lead: Dave Galvin

This Project attempts to work with another vulnerable/underserved population, mainly employing immigrant and ESL workers. Due to the transitory nature of these businesses, it has been difficult to develop any lasting contacts for this project.

Opportunities are explored as we become aware of them. A number of ethnic minority groups are involved in small landscaping businesses; the two largest ones appear to be Latino and Southeast Asian (especially Vietnamese but including Cambodian, Khmer and others.) These small businesses often operate out of a truck with no business address; even after direct contact is established, they can easily move and avoid future contacts. Community groups such as churches and ethnic centers appear to offer good places to partner for outreach to these workers.

The work to date has been on building relationships, trust, as well as, developing partnerships with the Cultural Liaisons of the Cities of Auburn and Federal Way and with the Auburn Grace Community Church Leaders. The Hispanic population has, so far, been receptive to this approach and as such, Staff has been dedicating almost all of his time and effort to this community. Much of this work involved contacting suburban city staff that outreach to ESL populations and becoming involved with local community centers and churches, which has been found to be the most efficient and effective method in reaching the target audience. Through committee meetings and festival involvements, staff has been networking and making connections with the Hispanic populations.

Staff met with Renton Technical College regarding the EnviroStars Program and in restarting their ESL Janitorial and Lawn Care Programs. We are hopefully that this will lead to a partnership that will help educate workers in training about toxic chemicals and safer alternatives to use.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$86,572	\$59,075	68%

Local Government Housing Authorities

Project Coordinator: Dave Hickok; Core Team Lead: Ryan Kellogg

The program's work with Local Government Housing Authorities is part of a larger objective to improve services to vulnerable and historically underserved populations, which are often residents of these housing complexes. The policy drafted in the 2nd Quarter, that would remove all mercury-containing devices within residential units owned by the King County Housing Authority (KCHA), was forwarded to Steven Norman, Executive Director of the Housing Authority, for review and adoption. KCHA is making a determination about how it will adopt this policy. With the exception of fluorescent lighting, the policy will prohibit the use of mercury-containing products in KCHA housing units. In the cases where mercury thermostats are presently used, specific dates will be set to phase out these devices.

The project successfully collaborated with KCHA to provide integrated pest management (IPM) training to four asthma prevention caseworkers that frequently work in public housing settings. We've learned that the top pest control issue in public housing, and opportunity for improved IPM practices, is roach control. As a result of the trainings, program staff is working with housing authority staff to implement more effective and lower toxicity control methods. We have met with the KCHA and have determined they are following IPM practices. However, they agree there is room for improvement in the pest control area. During the 3rd Quarter, the Executive Director moved pest control to the number one priority of the Housing Authority. Our staff have obtained copies of lease agreements and determined the leases do not mention IPM or pest management.

Program representatives met with several groups within KCHA. They included two Resident Advisory Committees, the Greenbridge Advisory Council, and a resident manager staff group. We used these opportunities to talk about program and project objectives, including training opportunities being developed for both residents and staff. KCHA staff has reported that the partnership with our program is much appreciated.

The significant under-expenditure in this project is the result of a combination of some housing authorities not being interested in availing themselves of our services, and others wanting help with structural pesticides, which staff did not anticipate and was not prepared to address until the latter half of the year.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$88,764	\$33,797	38%

Mercury

Project Coordinator: Lauren Cole; Core Team Lead: Lauren Cole

This project is another of the program's priority chemicals. Staff works to reduce the availability and use of mercury by ensuring proper disposal, facilitating product stewardship activities (i.e., manufacturer take-back programs) and by exploring regulatory options.

The Northwest Product Stewardship Council Policy Subcommittee has been refining state framework legislation and stand-alone lighting legislation following the framework template. Thermostats and lighting products are being considered as possible

products to populate the framework legislation and talks with industry about their possible support are moving forward. This work is on schedule.

The program's focus on fluorescents has produced some significant successes. In September, Bartell Drugs began collecting CFLs through the take-it-back network. They are accepting CFLs from the public at no charge, at all 56 of their King, Pierce, and Snohomish County locations (42 sites in King County). This has also been publicized on a TV news broadcast. Staff has also been working with Fred Meyer's Corporate Office and there seems to be some interest in joining the Take-it-Back Network, but no commitment has been secured yet.

Staff is working with the Thermostat Recycling Corporation (TRC) to improve the recycling rate among current TRC participants to 85%. They have assisted by providing additional collection bins, mailing labels etc. All activities are on schedule. Staff is monitoring the status of the state and national memorandum of agreement (MOU) on manufacturer funded mercury auto-switch take back system and is working with others to extend the state MOU until 2010 by adding funding which currently expires in 2007.

Other significant uses of mercury are being researched and strategies for their elimination are being identified. The research and report on potential strategies for elimination of mercury uses has been completed. Staff will incorporate elements from that strategy into the 2009 work plan.

This project is significantly under-expended because the anticipated level of resources that was originally budgeted was not needed at that level to achieve the results that are being achieved, with regard to promotion of the issue and take-back efforts, as well as our work with the National Product Stewardship Council.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$294,716	\$120,252	41%

Nail Salons

Project Coordinator: Laurie Foster; Core Team Lead: Dave Galvin

This Project is another in our suite of projects that targets vulnerable and/or underserved populations that in this case are immigrant or ESL workers. The project developed a major educational booth at the Vietnamese TET New Year celebration held at Seattle Center in February. Since many of the nail salons within King County are owned and operated by women whose first language is Vietnamese, this outreach combined with bi-lingual educators and materials proved to be very successful. Several hundred people stopped at the booth, and 42 signed up for follow-up consultations.

The Nail Salon information booth was set up at many local fairs and festivals. They used the new version of the nail salon safe practices display and a new poster version of the safer polish flyer. Both are bi-lingual in English/Vietnamese. Those fairs and festivals include: the International District Fair and the Jubilee Days Fair in White Center, both in July; Duwamish River Days in South Park in August; and the Vietnamese Catholic Festival on Capital Hill in September. Approximately 300 contacts with owners and operators have been made at these events. Additionally, ECOSS education staff established relationships with fifteen new nail salons this quarter. They have been visited at least once and some have had follow-up visits. Staff also presented

information about the project at the regional nail salon conference sponsored by EPA, and was able to connect with other West Coast nail salon projects.

Project staff continue to attend WA Dept. of Licensing Cosmetology Board meetings in order to offer expertise on best management practices for reducing solvent exposure and to keep a high profile for the project with the Board and meeting attendees. Project staff is also working with the Washington State University Extension's Energy Program to develop cost-effective and energy-efficient ventilation equipment for nail salons.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$106,402	\$85,501	80%

Partnerships

Project Coordinator: Ray Carveth; Core Team Lead: Dave Galvin

The Partnerships Project is an effort to foster more partnerships at the Project level by researching potential partners that might aid specific project efforts, and develop tools for our program staff to use to engage those potential partners to enhance the effectiveness of our individual projects.

Our staff developed a list of all partner organizations identified by all program projects and noted 43 organizations or divisions of organizations that have potential partnership links to 2 or more program projects. These numbers do not include IRAC partners, EnviroStars partners, or our suburban cities or regional county partners.

The new program contacts database will serve as the key vehicle for allowing cross-program coordination regarding partners that span more than one project as well as a key networking tool for buiding stronger partnerships. A networking function will allow users to gain instant access to outside groups, which projects they are linked with, and who within the program has been in most recent contact with them, as well as direct links to each group's website and contact data.

Project staff also developed a list of local and national NGOs covering environmental, health, worker-safety and related interests. The database includes a synopsis of each organization's areas of interest as well as contact names with email, phone and web links.

Since training and easily-accessible tools were identified as critical needs in building capacity within the program for partnership development among staff who do not have the background or skills in this area, a Partnership Tool Box was outlined and sections completed. Roll-out has begun with project coordinators. One element of the tool box is a summary of program projects that have successfully created partnerships with other organizations, what they have learned and concepts for implementation by others.

Of the 43 partners or potential partners listed by the programs project leads, we have identified at least 7 we feel are sustainable partners. The program should ensure that relationships with these 7 other entities are strengthened over time.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$58,232	\$40,752	70%

Pesticides

Project Coordinator: Larry Holyoke; Core Team Lead: Dave Galvin

The Project focuses on pesticide reduction and covers a range of activities from internal Integrated Pest Management (IPM) promotion within King County, the City of Seattle and our suburban cities; through school districts and other public entities such as the Port of Seattle; to IPM and native/natural yard promotion with private landscape businesses, nurseries and large landowners such as Seattle University and homeowner associations; to work upstream with product manufacturers; to the promotion of better landscape designs; to creating a climate of support for the overall reduction of pesticide usage.

Project staff facilitated monthly meetings of the Regional Pesticide Coordinating Committee, which allows coordination of projects and messages, as well as sharing of resources, across King and Thurston Counties in Washington plus Portland Metro in Oregon. Outreach to big-box hardware stores was coordinated through Thurston County's efforts. Update of the Grow Smart Grow Safe guide was coordinated with Portland Metro. Creation of a statewide version of our Natural Yard Care brochure was coordinated with Ecology. Staff also facilitated and administered the King County IPM Steering Committee.

We continue to serve as regional experts on natural yard care, pesticide reduction and related IPM techniques for a variety of audiences. Assistance specific to pesticide residues in foods was offered to the Young Children's project as the shopper's card issue grew in the 2nd quarter.

In the 3rd quarter, project staff conducted 2 on-site trainings, for 47 nurseries staff and 3 on-site trainings for 35 horticulture school students. IPM-related landscape presentations were made to 305 participants in third quarter, for a total of 1,725 participants in first three quarters. The Garden Hotline had 1,995 contacts and 2,714 IPM related questions in 3rd quarter. A total of 5,868 contacts were made and 7,569 IPM-related questions were answered to date. Natural Yard Care presentations averaged around 43 attendees at each of the 12 sessions. Staff also assists schools, agencies and others with IPM training. Assisted Seattle and Bellevue schools, a public housing work group and the Duwamish Coalition in the 3rd quarter.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$376,167	\$249,790	66%

Pharmaceuticals

Project Coordinator: Cheri Grasso; Core Team Lead: Dave Galvin

This Project, called PH:ARM, works with pharmacies and many other partners to develop a take-back system for unused and unneeded drugs, so they don't end up in our landfills (and ultimately in our ground water) or flushed down our drains (also so they don't end up in our groundwater or other parts of our environment.)

Our pharmaceutical take-back project continued to provide regional and national leadership on this complex issue. We have disposed over 13,000 pounds of medicines as of 10/1/08. We are collecting about 1100 pounds a month from the 25 Group Health facilities alone. Pharmacists continue to be happy with the program.

The first take-back at a retail pharmacy, Bartell Drugs, opened in the 2nd quarter. We opened an additional three Bartell Drugs Stores in the 3rd quarter, bringing the grand total up to seven stores around the Puget Sound area. Bartells' method of pre-screening medicines before they go into the container has allowed us to get approval to use the state contract for hazardous waste disposal of all medicines that have been collected.

Long term care facilities (LTCF) work continues to move ahead. Our first facility received final approval from the Board of Pharmacy for the Collection Protocol for End-User Pharmaceutical Waste and began collecting pharmaceuticals in the 3rd quarter. Their first shipment is planned to occur in the 4th quarter. Staff at the second LTCF will be trained in early October and begin collecting end-user pharmaceuticals by October 15, 2008.

We continue to meet with legislators to discuss the secure medicine return legislation. We are also meeting with stakeholders to obtain their endorsements, and with pharmaceutical manufacturers to try to address their issues and gain their support on this legislation.

For the last couple of years, the Pharmaceutical workplan has included a section referring to pharmaceuticals generated by SQG businesses. Many of the ideas in that section evolved out of the old Medical Clinics priority industry. Project staff have been so occupied by the PH:ARM pilot, plus state and national initiatives, that no work has progressed on this task. At the same time, the business side of the issue has slackened. EPA will be including pharmaceuticals in its Universal Waste category, and those regulations should be posted by the end of this year. EPA's national survey on business-related pharmaceutical wastes will in turn provide more direction and focus for our efforts. We will postpone further work on this task until 2009, after the EPA report is released.

We believe that this over-expenditure is the result of a time coding problem with policy staff and does not reflect significant cost over-runs.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$166,208	\$154,001	93%

Policy Development

Project Coordinator: Margaret Shield; Core Team Lead: Dave Galvin

Staff has continued its focus on developing the program's State Legislative request for 2009, and coordinating it with program partner agencies' requests. Additional effort has also been put into tracking and analyzing both Congressional and State Legislative issues and bills as they pertain to the program. Some of those efforts include the Consumer Product Safety Improvement Act and its preemption of WA's Children's Safe Products Act, bisphenol-A bills and developments, and California's new "green chemistry" laws. Staff met with several legislators and the Governor's health policy staff in support of the Secure Medicine Return bill in the 3rd quarter as well as worked on media and outreach strategies in support of both PH:ARM take-back pilot and Secure Medicine Return bill.

Efforts have been put into Northwest Product Stewardship Council's (NWPSC) policy subcommittee on the development of state framework legislation for 2009, and the possible inclusion of CFLs, paint and other specific products in that legislation. Staff

also worked with NWPSC, NGOs and program staff on chemical policy issues; Ecology rulemaking for the Children's Safe Products Act; and tracking of Ecology's Lead Chemical Action Plan. Work was undertaken on the Secure Medicine Return bill to try to persuade some drug producers to endorse it, and on Board of Pharmacy licensing changes. Worked with energy efficiency NGOs on producer responsibility for fluorescent lights. Worked with program staff on the pharmaceuticals, bisphenol-a, young children's and pesticides projects and on policy planning, the development of policy tools and communication across the program in a policy development support role.

We believe that this under-expenditure is the result of time coding to the pharmaceuticals project as well as the staff position being left unfilled for the first five months of this year.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$111,452	\$45,720	41%

Research

Project Coordinator: Alice Chapman; Core Team Lead: Ryan Kellogg

This Project is one of our cross-program support activities that undertakes on-going health and environmental analysis in support of our various projects.

Additional work was undertaken on the Pharmaceutical Waste Survey. We worked with an EPA Contractor who requested this database for their research on the implications of applying Universal Waste rules to pharmaceuticals requested this database. The contractor noted ours was the only survey in the US of wastes generated by small clinics, nursing homes, and other small sources. An Associated Press reporter, who is continuing research into pharmaceuticals in the environment, also noted that our survey report was the only source of data about quantities of pharmaceuticals disposed from small sources. Research continues thru detailed inventories of collected material from both Group Health and Bartell Drugs, screening and shipping material collected thru Group Health (every 3 weeks), and analyzing study data. Staff presented the Product Stewardship concept and PH:ARM project overview in Dallas at the Healthcare Distribution Managers Association Conference, and received “excellent” ratings.

Respond to a variety of research and lab services requests, including: lead chromate toxicology, environmental fate of MDI in wood products, reviewed BPA paper by Tyl et al, Impact of paint on soil and plant uptake, treatability test kit video and manual mailed out, anesthesia filter samples, lead and asbestos samples for Young Children’s group, HVAC/cooling towers referrals, and waste characterization samples for EQT.

Provided technical review of a variety of program materials including the Shopper’s card and associated publications, Child Care Program VIP Flyer, Improving Indoor Air Quality in Schools draft, IRAC Marble/Granite, Lead CAP and program comments, Dolphin Safe Evaluation report, Can Lining report, Dental Poster, and Dental Office Septage Characterization, in the 3rd quarter.

The significant under-expenditure in this project is attributable to the project team being down 2.0 FTEs. A toxicologist was hired in the 3rd quarter to begin rebuilding those vacant positions.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$361,532	\$138,112	38%

Solvents

Project Coordinator: Dave Waddell ; Core Team Lead: Dave Galvin

This Project focuses on identifying and addressing high-risk solvents used in King County. Work continued on high-risk solvents, populating our database with chemical-specific data, and helping our project staff research solvents as needed. New additions to the database will allow for better analysis of safer alternatives. Additional efforts were made focusing on chlorinated solvents.

Assistance was provided to the janitorial and nail salon projects to review products for specific solvents such as glycol ethers. This work has continued and 2 more material safety data sheets (MSDSs) were reviewed for the Janitorial Workgroup. A brief summary report was developed on their comparative risks versus available alternative products.

Assistance was provided to the Nail Salons Workgroup. Twenty-four MSDSs were reviewed for the Nail Salons Workgroup. Comments were provided to them on the quality and quantity of data in the MSDS and the comparative hazards of the chemicals they describe.

As a result of the findings here and in the Healthy Schools project, a new project was recommended that will focus on chemical hazards in the arts.

The under-expenditure in this project is the result of an overestimation of the amount of effort needed to achieve the goals set out for this project

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$74,698	\$29,738	40%

Small Quantity Generator (SQG) Disposal (for Businesses)

Project Coordinator: Richard Thompson; Core Team Lead: Ryan Kellogg

This project allows small businesses to dispose of their hazardous waste, of similar types and quantities as household hazardous waste, at our household hazardous waste collection facilities. The SQG Disposal pilot has served 110 businesses with 140 visits to these sites by the end of the 2nd quarter. Businesses are from 13 different industry groups and encompass approximately 55 different types of businesses within those groups. Forty six percent of those customers dropped off oil-based paint, 21% solvents, 16% used oil, and 16% lab chemicals. Volumes of those materials have ranged from one small product to several hundred pounds. Obtaining accurate, complete and legible paperwork from staff and customers has been challenging. Project staff is working to improve the quality of their paperwork.

Third quarter went pretty smoothly for the SQG Disposal Pilot. By the end of September we had a total of 208 visits from 163 businesses. Our running average is currently 6.44 visits per week, a slight downward trend from 7.42 at the end of last

quarter. We continue to see a good variety of business and waste types. At this point in the pilot 85% of our customers have been single visit participants, 12% have made two visits, and only 3% have made three or more visits. Of the 163 businesses, the locations that participants indicated for their businesses represent 27 different King County cities and the unincorporated area of Ravensdale. The only additional city represented in the third quarter was Shoreline. The most visits from businesses located in cities are Seattle 57 (39%), Bellevue 12 (8%), Redmond 11 (8%), Renton 10 (7%), and Kent 9 (6%). Of the 208 total visits 112 (54%) were at South Seattle, 76 (36%) were at Factoria, and 20 (10%) were at Wastemobile locations. We are in the process of modestly increasing publicity for the project.

The dramatic under-expenditure in this pilot project is the result of a combination of the lack of advertising of this service, which resulted in its underutilization; a probably time coding error that probably resulted in under reporting of collection staff time working with SQG clients; and an overestimation of the number of FTEs needed and budgeted for this effort.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$302,729	\$106,038	35%

Suburban Cities Events

Project Coordinator: Paul Shallow; Core Team Lead: Ryan Kellogg

Our program issues contracts to each of the 37 Cities (other than Seattle) in King County. Those contracts support each City in sponsoring their own hazardous waste event. Those events consist of collection activities, educational efforts or a combination of the two. Through the 2nd quarter, Auburn, Bellevue, Issaquah and Lake Forest Park held educational events consisting of natural yard care classes or a green fair.

Nineteen cities held collection and recycling events and collected antifreeze, batteries, oil-based paint, oil, fluorescent lights, propane tanks, computers, TVs and old refrigerators with CFCs. Those Cities include: Algona, Black Diamond, Bothell, Carnation, Covington, Enumclaw, Kenmore, Kirkland, Maple Valley, Mercer Island, Newcastle, Normandy Park, North Bend, Redmond, Renton, Sammamish, SeaTac, Tukwila and Woodinville. Approximately 9,350 residents attended these events with 4,740 gallons of oil, 105 gallons of mixed fuel, 855 gallons of antifreeze, 40 gallons of oil-based paint, 1,359 lead batteries, 98,540 alkaline/rechargeable batteries, 230 refrigerators, 2,482 computers and 2,188 TVs were collected, recycled or disposed.

In the 3rd quarter, Bellevue held a natural yard care class and 12 cities conducted collection and recycling events, including Covington, Duvall, Federal Way, Issaquah, Normandy Park, Pacific, Redmond, Renton, Sammamish, Skykomish, Snoqualmie and Woodinville. Similar wastes that were collected from residents in the second quarter were collected in the 3rd quarter, e.g., antifreeze, oil, oil filters, batteries, fluorescent

lights, oil-based paint (two cities), refrigerators (CFCs), computers and TVs. Data from those six events from 3,040 residents are as follows:

435 gallons of antifreeze	373 lead (auto) batteries
2,075 gallons of used motor oil	22,240 dry cell batteries
310 oil filters	639 fluorescent tubes
30 gallons of oil -based paint	674 computers
110 CFCs (refrigerators)	626 TVs

The significant under-expenditure reported here is strictly an artifact of the contract, billing and payment cycle between the program and the suburban cities. Many cities do not bill until the 4th quarter or the end of the year, so the expenditures reflected in this category simply reflects a time lag in billing and payments.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$420,000	\$131,347	31%

Young Children

Project Coordinator: Gail Gensler; Core Team Lead: Dave Galvin

The Young Children Project encompasses a number of different efforts. The Collaborative for Health and the Environment-WA (CHE-WA) children’s environmental health working group defined its mission and goals, and continued its planning a 2009 children’s environmental health conference. The conference planning team is made up of staff from our program, the EPA, the WA State Departments of Ecology and Health, Public Health - Seattle & King County, the NW Pediatric Environmental Health Specialty Unit (NW-PEHSU,) People for Puget Sound, the American Lung Society, the Institute for Neurotoxicity and Neurological Disorders, and the WA chapter of the American Academy of Pediatrics. The working group also brought together two partners, PEHSU and the Seattle Midwifery School, for a collaborative project to infuse more information about children’s environmental health into the School’s training program.

Staff participated in the Dept. of Ecology’s Lead Chemical Action Plan process by attending sessions, and reviewing and commenting on their draft documents. Project staff also attended the two-day Dept. of Health expert advisory panel on childhood blood lead testing and elevated blood lead prevention. A two-year, \$100,000 grant from the EPA was secured to fund blood testing equipment, supplies and staff time. There is a tremendous amount of momentum locally and state-wide on lead issues, which will serve to address our program’s goals.

The study of lead in imported candies focused initially on Mexican imports. Data analysis was completed, but serious constructive comments from the FDA, on the document’s last draft, have delayed its release. One of the strategies to respond to these comments includes authoring a policy paper for King County on lead in imported candies. Staff have drafted a research design on Asian candies, but have only just received approval on the mechanisms needed to manage the financial aspects of the project.

A shopper’s card regarding pesticides-in-food, that first appeared in the program's publication *Healthy Home Companion*, and later as a stand-alone card, received much attention and controversy in the 2nd quarter. A major revision to that card was

completed. The focus of this informational material is on reducing young children’s exposure to pesticides in fruits and vegetables.

Project staff focused on reducing environmental health risks in King County childcare facilities. This effort included responding to voucher requests (17 were issued), making site visits (31 visit requests made), and some responses to e-mail and phone inquiries were made. One challenge that the staff is attempting to work through is the differing expectations from public health nurses who visit childcare facilities, and what our program is able to address because of our limited mandate that must focus on hazardous waste and toxics. These issues are still being discussed.

With regard to blood lead level screening of children under age 6, our EPA funded effort has not progressed as rapidly as hoped. We have run into some internal planning bottlenecks. Records management has been identified as a significant issue that needs to be worked out before we proceed. Additionally, because of some internal training needs, and key staff absences, the deployment of blood-lead analyzers has been delayed. However, we believe that we will have deployed machines at the Eastgate and Columbia Health Centers by the end of this year. We had planned to work with Country Doctor Clinics, however, the clinic system is in the process of purchasing their own analyzers, which will increase the overall impact of the project without additional cost to the program. We are re-evaluating the need for that partnership, other than coordinating the results and gathering data for a broader assessment.

The over-expenditure in this category is an artifact of grant reimbursement. The grant funding requires expenditures and then billing for reimbursement, so that time lag is reflected in a pulse of spending and then a pulse of reimbursements; the expenditures reflected here are the spending pulse in the cycle.

2008 Budget	Expenditures thru 3rd QTR	% Expended
\$328,823	\$289,767	88%