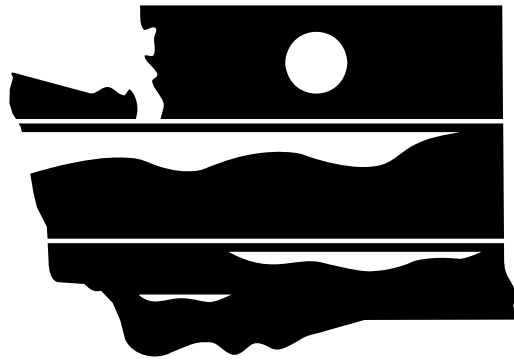


# **Local Hazardous Waste Plan Implementation Including Beyond Waste Activities**



WASHINGTON STATE  
DEPARTMENT OF  
**E C O L O G Y**

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## **MRW Beyond Waste Projects/Initiatives at the Local Level**

Toxic chemicals are increasingly prevalent in our everyday work and home lives compared to previous years. Although there are some toxic chemicals that are important and necessary and need to be managed safely, there is also a larger opportunity to reduce the volume of toxic chemicals that can be eliminated from our products, homes, and workplaces.

Below are examples of programs that complement the Beyond Waste vision in regards to managing MRW. Examples include how the MRW, Green Building, and Organics recommendations in the Beyond Waste Plan can reduce the amount of MRW to be managed at end of life. The examples and resources shown below are provided to show that programs and information that reflects the Beyond Waste vision and can be included in a local hazardous waste plans.

### **MRW Examples**

#### **1. Product Stewardship:**

Product stewardship calls for those in the best position to affect the impact of products to take the most responsibility for those products during their entire life cycle. In many instances this is the manufacturing industry. Two current product stewardship examples are the Washington Electronics Recycling Act and the Paint Product Stewardship Initiative.

In Washington we have legislation that requires the manufacturers of TVs, computers, and monitors to provide collection of those products at the end of their useful life for citizens and small businesses. This is being implemented as of January 2009 by a new industry directed quasi-governmental Materials Management and Financing Authority.

It is also expected that the paint industry will be implementing a regional (Washington and Oregon) leftover paint education and collection system beginning July 2009. Local governments have been instrumental in the development of both of these initiatives in Washington and in some cases at the national level. Local jurisdictions are encouraged to show support for this initiative by signing the Memorandum Of Understanding (MOU).

This Paint Product Stewardship MOU calls for an industry sponsored Paint Stewardship Organization to develop and operate a nationally-coordinated paint management system. In addition to providing paint waste reduction education, it includes manufacturers intent to develop a national system of leftover paint management. Collection points are to be comprehensive and statewide and collection points who choose to become part of this system will negotiate a fair reimbursement for the services of leftover paint collection. This could result in substantial savings for existing HHW collection programs compared to current costs for leftover paint management. The Paint MOU can be downloaded and signed at: <http://www.productstewardship.us/displaycommon.cfm?an=1&subarticlenbr=118>

So far the Washington State Dept. of Ecology has signed the October 2007 Paint MOU as well as the following WA local governments:

Benton-Franklin Health Department  
City of Walla Walla

City of Spokane, Solid Waste Department  
Clark County  
Cowlitz County Public Works  
Grays Harbor County  
King County Solid Waste Division  
King County Local Hazardous Waste Management Program  
Kitsap County Solid Waste Division  
Lincoln County Public Works  
Whitman County Solid Waste Department  
Yakima County Solid Waste

Many local jurisdictions helped achieve both of these product stewardship successes through participation in the Northwest Product Stewardship Council, which is made up primarily of local and state government representatives. The NW Product Stewardship Council, has played an instrumental role in promoting product stewardship in Washington and Oregon. These two programs will lessen pressure on local governments funds currently used to manage these problem wastes. The manufacturers and consumers of the products will now take more responsibility for managing these problems wastes that they cause to be created. The general taxpayers will no longer subsidize the management of these products at the end of their useful life.

Any local government is welcome to **participate in the NW Product Stewardship Council** to the level they have interest and time to be involved. To find out more about this local option to work on product stewardship initiatives go to the NW Product Stewardship Council website at: [www.productstewardship.net](http://www.productstewardship.net)

Whether you participate in the NW Product Stewardship Council or not, you can **prepare local resolutions supporting product stewardship efforts**. This can take the form of drafting a local resolution that generally supports product stewardship efforts, crafting a policy to support product stewardship, or developing educational materials that support existing product stewardship programs. Sonoma County in California recently completed an Extended Producer Responsibility (another name for product stewardship) Implementation Plan to outline how it will address product stewardship through local actions. For more information go to: [http://www.recyclenow.org/EPR\\_Final\\_Report.pdf](http://www.recyclenow.org/EPR_Final_Report.pdf)

Two other product stewardship initiatives that are emerging from the work of the NW Product Stewardship Council and are related to or compatible with recommendations in the Beyond Waste Plan are regarding pharmaceuticals and a broader approach to chemicals policy. Any Washington or Oregon local jurisdictions can work on either or both of these initiatives as most workgroups meet by conference call.

At the **national level** are additional **product stewardship initiatives that may be of interest to local governments**. Product examples include: pharmaceuticals, phone books, mercury-containing thermostats, and small compressed gas cylinders. Many of these initiatives support or are complimentary to recommendations in the Beyond Waste Plan and are available for local participation by interested jurisdictions. The Product Stewardship Institute (PSI) initiates many of these initiatives. The PSI website describes the status and progress of various national product stewardship initiatives. See more details at: [www.productstewardship.us](http://www.productstewardship.us)

## 2. Environmentally Preferred Purchasing

Develop an Environmentally Preferred Purchasing Program for your jurisdiction or partner with other jurisdictions to enhance your buying power of less toxic supplies and products. Government needs to walk its talk as much as possible while still being responsible with tax payer dollars. In order to get citizens to use more environmentally friendly products, governments provide leadership. Cumulatively, governments purchase large quantities of products and by only purchasing those that are environmentally preferred, government can help drive innovation towards safer products. The links below offer more information on establishing an EPP program in your jurisdiction:

<http://www.metrokc.gov/procure/green/mdpolicy.htm>

[http://www.greenguardian.com/sites/default/eppg/App\\_B.asp?Format/ForPrint=1](http://www.greenguardian.com/sites/default/eppg/App_B.asp?Format/ForPrint=1)

<http://www.stopwaste.org/home/index.asp?page=725>

## 3. Pollution Prevention

Incorporate pollution prevention concepts into your local hazardous waste plan's strategies for working with CESQGs. The Beyond Waste Plan recommends that all local hazardous waste plans be fully implemented. While all local HW plans have discussion of CESQG outreach and education, many local jurisdictions have not followed-through with anticipated levels of CESQG programs or continued to implement these programs once begun. If your jurisdiction does not currently provide on-site technical assistance for CESQGs or has a minimal CESQG program compared to other MRW program efforts, you should try to balance your MRW program to provide a balanced approach to implementing all the required elements in your local HW plan. There are many resources and some training opportunities from Ecology's HW program staff that include not only compliance inspections but also pollution prevention technical assistance programs. Pollution prevention is a way for businesses to become involved in reducing their reliance on toxic substances. For more information on pollution prevention go to: <http://www.ecology/programs/hwtr/P2-Toolbox/P2TOOLS.HTM>. In addition "lean" manufacturing can be combined with pollution prevention to provide extra value and cost savings to many businesses.

## 4. Local Ordinances:

Pass a local ordinance that prohibits MRW from being disposed in the solid waste stream. For sample language of this type of ordinance go to:

[http://www.kitsapcountyhealth.com/environmental\\_health/solid\\_waste/docs/swregs.pdf](http://www.kitsapcountyhealth.com/environmental_health/solid_waste/docs/swregs.pdf)

Pass a local ordinance that allows the use of the local jurisdictions fixed MRW facility by CESQGs for a fee. For sample language of this type of ordinance go to:

<http://www.mrsc.org/ords/S61o02-044.pdf>

Pass an ordinance that establishes a policy that encourages product stewardship, zero waste of resources, or the precautionary principle. Examples of these can be found at:

[http://www.recyclenow.org/EPR\\_Final\\_Report.pdf](http://www.recyclenow.org/EPR_Final_Report.pdf)

<http://www.metrokc.gov/dnrp/swd/garbage-recycling/zero-waste.asp>

[http://www.sfenvironment.org/our\\_policies/overview.html?ssi=14](http://www.sfenvironment.org/our_policies/overview.html?ssi=14)

## 5. Coordinated Prevention Grants (CPG)

The MRW section of the Beyond Waste Plan includes the priority products and substances targeted for implementation within the first five years of the plan. In most cases these can be easily linked to the implementation of local HW plans. CPG funds are tied to what is in the implementation schedule of an approved local HW plan. Not only will programs have to be part of an implementation schedule to receive funding, but the programs that reflect the Beyond Waste priorities will have a greater chance of receiving funding than those that do not. Follow this link to the MRW priorities in the Beyond Waste Plan and see how these can be tied to the implementation schedule of your HW plan: [http://www.ecy.wa.gov/beyondwaste/p\\_mrwmilestones.html](http://www.ecy.wa.gov/beyondwaste/p_mrwmilestones.html)

### **Organics Example**

Set-up and implement a “natural yard care” program in your jurisdiction. This type of program relates to a jurisdiction’s local hazardous waste plan by reducing the need for fertilizer and pesticide use around ones home or business. Informational brochures, information provided on websites, and how-to workshops can all be used as educational tools to support the program. For more information on this type of program follow these links: <http://www.naturallybeautifulbackyards.org/>  
<http://www.govlink.org/hazwaste/house/yard/>  
<http://www.co.thurston.wa.us/health/ehcsg/5stepsawn.html>

Other ways to increase organics processing and reduce the need for fertilizer and pesticide use is to develop a composting program with schools or other large food service businesses and develop a home composting program for your jurisdiction. For more information on these types of programs follow these links:  
<http://www.co.thurston.wa.us/wwm/free%20guides/2008%20compost%20brochure.pdf>  
<http://www.co.clark.wa.us/recycle/school/sos.html>

### **Green Building Example**

Conduct “Healthy Home Maintenance” courses for residents in your jurisdiction. The courses would provide information on toxic products (both to human and environmental health) commonly found in homes and background information on why the products are toxic. The course would provide examples of healthier alternatives to these materials. Informational brochures, product samples and we-site information could be provided as supporting documents at the workshops. For more information on this type of program follow these links:

<http://www.ecy.wa.gov/programs/swfa/greenbuilding/>  
<http://www.pharosproject.net/>  
<http://www.ecy.wa.gov/beyondwaste/epp.html>

Create a “Green Home Remodel and Upgrade” program for your jurisdiction. The program, through workshops/brochures/websites/and green home tours, will provide information on how upgrading and remodeling homes can be done with non-toxic materials. The program would provide information on why standard material choices often have detrimental impacts to both human and environmental health. The program

would provide a list of resources for finding health building products and professionals that can install them. For more information on this type of program follow these links:

<http://www.ecy.wa.gov/programs/swfa/greenbuilding/>

<http://www.builtgreenwashington.org/>

<http://www.environmentalhomecenter.com/>

<http://www.ecobuilding.org/>

Green building extends beyond the building itself. Many green certification systems offer credits (or points) for landscaping schemes that highlight native plants, eliminate or drastically reduce water needs, and eliminate the use of synthetic pesticides and fertilizers. Create a “Green Landscaping for Your Green Home” lecture series in your jurisdiction. The lectures/brochures will cover topics ranging from information on native and xeric plants that will thrive in your region, to information on ‘natural’ alternatives to synthetic chemicals and fertilizers, to making your soil healthy through compost amendments. Green homes should be just as green on the outside as they are on the inside. For more information on this type of program follow these links:

<http://www.ecy.wa.gov/programs/swfa/greenbuilding/>

<http://www.wnps.org/>

<http://agr.wa.gov/FoodAnimal/Organic/MaterialsLists.htm>

## **Selected Web Links by Topic**

### **Beyond Waste Plan Resources:**

<http://www.ecy.wa.gov/beyondwaste/>

### **Product Stewardship Resources:**

<http://www.productstewardship.net/>

<http://www.productstewardship.us/>

[http://www.recyclenow.org/EPR\\_Final\\_Report.pdf](http://www.recyclenow.org/EPR_Final_Report.pdf)

### **Environmentally Preferred Purchasing Resources:**

<http://www.ecy.wa.gov/beyondwaste/epp.html>

<http://www.ga.wa.gov/PCA/Forms/EPP-Manual.pdf>

<http://www.epa.gov/epp/pubs/about/about.htm>

### **Pollution Prevention and Lean Manufacturing Resources:**

<http://www.ecy.wa.gov/programs/hwtr/P2/index.html>

<http://www.epa.gov/opptintr/p2home/>

<http://www.pprc.org/>

<http://www.p2.org/inforesources/index.cfm>

<http://www.p2.org/p2experts/p2search.html>

<http://www.ecy.wa.gov/programs/hwtr/lean/index.html>