

BEFORE THE METRO COUNCIL

FOR THE PURPOSE OF AMENDING	)	ORDINANCE NO. 00-851B
THE REGIONAL SOLID WASTE	)	
MANAGEMENT PLAN REGARDING	)	Introduced by Councilor Rod Park
GOALS, OBJECTIVES AND	)	
RECOMMENDED STRATEGIES	)	
FOR THE MANAGEMENT OF	)	
HOUSEHOLD HAZARDOUS WASTES	)	

WHEREAS, the Regional Solid Waste Management Plan (Plan), was adopted by the Council as a functional plan by Ordinance No. 95-624; and

WHEREAS, the Plan includes goals and objectives for the management of household hazardous wastes; and

WHEREAS, Metro has engaged in a public process with staff, local governments and other interested parties to set a new strategic direction for the program for the next five years; and

WHEREAS, that new strategic direction requires amendments to the Plan; and

WHEREAS, the Solid Waste Advisory Committee has reviewed the new hazardous waste strategies and has recommended that Council adopt the strategies described in this ordinance; and

WHEREAS, the amendments are consistent with the overall goal of the Regional Solid Waste Management Plan: To continue to develop and implement a Solid Waste Management Plan that achieves a solid waste system that is regionally balanced, environmentally sound, cost-effective, technologically feasible and acceptable to the public; and

WHEREAS, the ordinance was submitted to the Executive Officer for consideration and was forwarded to Council for approval; now, therefore,

THE METRO COUNCIL ORDAINS AS FOLLOWS:

SECTION 1. The Regional Solid Waste Management Plan's Goal 13, located at pages 5-8, is amended to read:

**Goal 13 - Toxics Reduction**

Protect the environment, residents of the region and workers who collect, transport, process and dispose of waste by educating residents of the region on methods of eliminating or reducing the risks arising from hazardous materials.

Objective 13.1 Manage hazardous waste based on the Environmental Protection Agency's hierarchy of "reduce, reuse, recycle, treat, incinerate and landfill."

Objective 13.2 Educate residents of the region about alternatives to the use of hazardous products, proper use of hazardous products, how to generate less hazardous wastes and proper disposal methods for hazardous waste.

Objective 13.3 Provide convenient, safe, efficient and environmentally sound disposal services for hazardous waste that remains after implementing prevention and reuse practices.

SECTION 2. The Regional Solid Waste Management Plan section entitled "Solid Waste Facilities and Services, Household Hazardous Waste (HHW) Management" located at pages 7-28 to 7-32 is repealed.

SECTION 3. Section 4 of this Ordinance is added to and made a part of the Regional Solid Waste Management Plan.

## SECTION 4.

### **Solid Waste Facilities and Services Hazardous Waste Program**

The following recommended strategies are designed to provide a unified direction for the hazardous waste program firmly based on waste reduction education and targeting programs to reduce risks to public health and safety and the environment.

1. Pursue a strategic direction that emphasizes non-hazardous alternatives, proper use of hazardous products, waste reduction education within a risk reduction perspective.
  2. Focus outreach and education programs on reducing risks from exposure to, improper storage of or improper disposal of hazardous products.
  3. Incorporate a shared product responsibility approach to managing hazardous wastes.
  4. Design collection services to target reduction of identified risks and to include an integrated education component.
  5. Utilize public and private solid waste facilities efficiently and effectively for the delivery of education and collection services.
- 
1. Strategic Framework – Pursue a strategic direction that emphasizes non-hazardous alternatives, proper use of hazardous products, waste reduction education within a risk reduction perspective.

Exposure to, improper storage of, or improper disposal of products containing hazardous components poses risks to human health and the environment. These risks include: fires or child poisonings resulting from improper storage; injuries to disposal system workers (haulers, transfer station or landfill workers); damage to streams and fish from runoff of improperly applied lawn and garden care products; and pollution of streams or ground water from improper disposal of auto products such as used oil or antifreeze.

Adoption of a strategic framework emphasizing reduction in these risks will entail incorporating the following directions into the work plan for the hazardous waste program:

- a) Make hazardous waste education a critical priority.
- b) Identify the risks (e.g. fires, poisonings, and pollution) that arise from the use of, transport of, improper storage of and improper disposal of hazardous products.
- c) Target education programs and collection services to reduce these risks.
- d) Coordinate with education and collection programs in other areas to ensure the efficiency and effectiveness of regional programs.
- e) Coordinate education efforts with water and air quality agencies to ensure residents do not shift from disposing of hazardous waste in the garbage to

disposing of it in the storm or sanitary sewer systems or through open air evaporation.

- f) Coordinate with stream habitat and water quality programs.
- g) Measure the impact of programs and services in reducing the identified risks.

2. Outreach and Education – Focus outreach and education programs on reducing risks from exposure to, improper storage of or improper disposal of hazardous products.

Education programs will be directed to changing people's behavior in ways that reduce the identified risks from hazardous products. Education programs targeted to both adults and school children will provide information on alternatives to hazardous products, proper use of hazardous products, waste reduction methods and proper management of hazardous products.

Focusing education programs on alternatives, proper use, waste reduction and reducing identified risks will require:

- a) Developing education and outreach programs that target identified risks.
- b) Utilizing education methods that are shown to effectively teach proper use, transport, storage and disposal practices.
- c) Ensuring a unified approach and message across education and outreach programs.
- d) Integrating education programs with collection services.

3. Shared Product Responsibility – Incorporate a shared product responsibility approach to managing hazardous wastes.

Shared product responsibility is the effort to get all those involved in the production and use of a product (consumers, retailers, distributors and manufacturers) to take responsibility for managing the costs and other impacts of a product on society and the environment. A shared responsibility approach for hazardous products should be flexible and may include different elements depending on the product. Examples include: producers' eliminating or reducing the toxicity of a product; product return to manufacturers or retailers when safe and appropriate; and collection through Metro with assistance of resources from product manufacturers or retailers. Development of non-Metro collection options for some products may provide opportunities to improve the efficiency of the system.

Developing a shared product responsibility approach to managing hazardous wastes will require, as appropriate:

- a) Exploring development and promotion of additional collection options, for example, returning products to stores.
  - b) Providing consumer information and education at a product's point of sale. Education should include information on alternatives and proper use, transport, storage and disposal.
  - c) Establishing cooperative efforts with retailers, distributors and manufacturers.
  - d) Securing alternative funding sources for hazardous waste services through charges when feasible and appropriate on products that make identifiable extraordinary burdens on the disposal system.
4. Collection Services – Design collection services to target reduction of identified risks and to include an integrated education component.

Collection services are a critical component of the strategy to reduce risks from exposure to, improper storage of and improper disposal of hazardous products. Through targeting of households subject to greater risk (for example, households with large old stockpiles of hazardous materials) and integrating education into the service, collection services can achieve the risk reduction goal of the program – rather than simply accommodating disposal.

Designing collection services to reduce identified risks will require:

- a) Promoting and targeting services (events and facilities) to serve households identified as being at greater risk. Selecting the targets (e.g. households with stockpiles) is an integral part of the process of establishing the strategic direction for the program.
- b) Increasing the convenience of collection events. For example, locating events closer to targeted households.
- c) Integrating hazardous waste prevention education with collection events. Techniques such as reducing the size or increasing the duration of collection events to allow education opportunities will be explored.
- d) Regional funding of collection services.

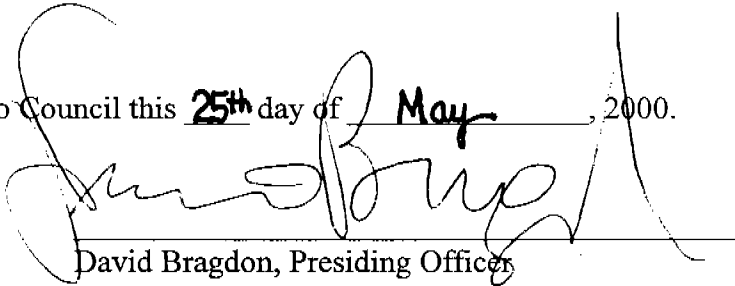
5. Facilities – Utilize public and private solid waste facilities efficiently and effectively for the delivery of education and collection services.

Metro's two permanent collection facilities will provide the infrastructure necessary to process hazardous wastes received at solid waste facilities and collection events.


The strategy will require:

- a) Continuing operation of the two permanent Metro hazardous waste facilities.
- b) Ensuring education programs are integrated into collection services at facilities.
- c) Utilizing private solid waste facilities where appropriate for collection events.
- d) Regional transfer stations that accept public customers to provide opportunities for these customers to dispose of their household hazardous waste.
- e) Monitoring and analyzing usage patterns of facilities and events.
- f) Assessing the effectiveness of education programs.
- g) Exploring the need for any additional permanent facilities in five years.

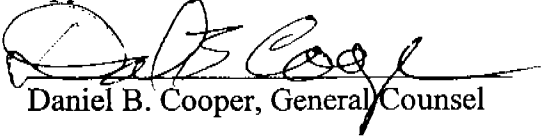
ADOPTED by the Metro Council this 25<sup>th</sup> day of May, 2000.

  
David Bragdon, Presiding Officer

ATTEST:

  
Recording Secretary

Approved as to Form

  
Daniel B. Cooper, General Counsel

BEFORE THE METRO COUNCIL

FOR THE PURPOSE OF AMENDING )      ORDINANCE NO. 00-851A  
THE REGIONAL SOLID WASTE )  
MANAGEMENT PLAN REGARDING )      Introduced by Councilor Rod Park  
GOALS, OBJECTIVES AND )  
RECOMMENDED STRATEGIES )  
FOR THE MANAGEMENT OF )  
HOUSEHOLD HAZARDOUS WASTES )

WHEREAS, The Regional Solid Waste Management Plan (Plan), was adopted by the Council as a functional plan by Ordinance No. 95-624; and

WHEREAS, the Plan includes goals and objectives for the management of household hazardous wastes; and

WHEREAS, Metro has engaged in a public process with staff, local governments and other interested parties to set a new strategic direction for the program for the next five years; and

WHEREAS, that new strategic direction requires amendments to the Plan; and

WHEREAS, the Solid Waste Advisory Committee has reviewed the new hazardous waste strategies and has recommended that Council adopt the strategies amendments described in ~~Exhibit A to~~ this ordinance; and

WHEREAS, The amendments are consistent with the overall goal of the Regional Solid Waste Management Plan: To continue to develop and implement a Solid Waste Management Plan that achieves a solid waste system that is regionally balanced, environmentally sound, cost-effective, technologically feasible and acceptable to the public; and

WHEREAS, the ordinance was submitted to the Executive Officer for consideration and was forwarded to Council for approval; now, therefore,

THE METRO COUNCIL ORDAINS AS FOLLOWS:

SECTION 1. The Regional Solid Waste Management Plan's Goal 13, located at pages 5-8, is amended to read:

**Goal 13 - Toxics Reduction**

~~The toxicity of mixed solid waste to~~ Protect the environment, residents of the region and workers who collect, transport, process and dispose of waste by educating residents of the region on methods of eliminating or reducing the risks arising from use, storage and disposal of hazardous materials by households and small businesses, keeping hazardous waste out of the mixed solid waste collection and disposal system.

Objective 13.1 Manage hazardous waste based on the Environmental Protection Agency's hierarchy of "reduce, reuse, recycle, treat, incinerate and landfill."

Objective 13.2 Educate residents of the region about alternatives to the use of hazardous products, proper use of hazardous products, how to generate less hazardous wastes and proper disposal methods for hazardous waste.

Objective 13.3 Provide convenient, ~~and~~ safe, efficient and environmentally sound disposal services for hazardous waste that remains after implementing prevention and reuse practices.

SECTION 2. The Regional Solid Waste Management Plan section entitled "Solid Waste Facilities and Services, Household Hazardous Waste (HHW) Management" located at pages 7-28 to 7-32 is repealed.

SECTION 3. Section 4 of this Ordinance is added to and made a part of the Regional Solid Waste Management Plan.



## SECTION 4.

### **Solid Waste Facilities and Services Hazardous Waste Program**

The following recommended strategies are designed to provide a unified direction for the hazardous waste program firmly based on waste reduction education and targeting programs to reduce risks to public health and safety and the environment.

1. Pursue a strategic direction that emphasizes non-hazardous alternatives, proper use of hazardous products, waste reduction education ~~and~~ within a risk reduction perspective.
2. Focus outreach and education programs on reducing risks from exposure to use, improper storage of or improper disposal of hazardous products.
3. Incorporate a shared product responsibility approach to managing hazardous wastes.
4. Design collection services to target reduction of identified risks and to include an integrated education component.
5. Utilize public and private solid waste facilities efficiently and effectively for the delivery of education and collection services.

1. Strategic Framework – Pursue a strategic direction that emphasizes non-hazardous alternatives, proper use of hazardous products, waste reduction education ~~and~~ within a risk reduction perspective.

Exposure to use, improper storage of or improper disposal of products containing hazardous components poses risks to human health and the environment. These risks include: fires or child poisonings resulting from improper storage; injuries to disposal system workers (haulers, transfer station or landfill workers); damage to streams and fish from runoff of improperly applied lawn and garden care products ~~chemicals or pesticides~~; and pollution of streams or ground water from improper disposal of auto products such as used oil or antifreeze.

Adoption of a strategic framework emphasizing reduction in these risks will entail incorporating the following directions into the work plan for the hazardous waste program:

- a) Make hazardous waste education a critical priority.
- b) Identify the risks (e.g. fires, poisonings, and pollution) that arise from the use of, transport of, improper storage of and improper disposal of hazardous products.
- c) Target education programs and collection services to reduce these risks.
- d) Coordinate with education and collection programs in other areas to ensure the efficiency and effectiveness of regional programs.

- e) Coordinate education efforts with ~~waste~~ water and air quality agencies to ensure residents do not shift from disposing of hazardous waste in the garbage to disposing of it in the storm or sanitary sewer systems or through open air evaporation.
- f) Coordinate with stream habitat and water quality programs.
- g) Measure the impact of programs and services in reducing the identified risks.

2. Outreach and Education - Focus outreach and education programs on reducing risks from use exposure to, improper storage of or improper disposal of hazardous products.

Education programs will be directed to changing people's behavior in ways that reduce the identified risks from hazardous products. Education programs targeted to both adults and school children will provide information on alternatives to hazardous products, proper use of hazardous products, waste reduction methods and proper management of hazardous products.

Focusing education programs on alternatives, proper use, waste reduction and reducing identified risks will require:

- a) Developing education and outreach programs that target identified risks.
  - b) Utilizing education methods that are shown to ~~change~~ increase proper use, transport, storage and disposal practices.
  - c) Ensuring a unified approach and message across education and outreach programs.
  - d) Integrating education programs with collection services.
3. Shared Product Responsibility - Incorporate a shared product responsibility approach to managing hazardous wastes.

Shared product responsibility is the effort to get all those involved in the production and use of a product (consumers, retailers, distributors and manufacturers) to take responsibility for managing the costs and other impacts of a product on society and the environment. A shared responsibility approach for hazardous products should be flexible and may include different elements depending on the product. Examples include: producers' eliminating or reducing the toxicity of a product; product return to manufacturers or retailers when safe and appropriate; and collection through Metro with assistance of resources from product manufacturers or retailers. Development of non-Metro collection options for some products may provide opportunities to improve the efficiency of the system.

Developing a shared product responsibility approach to managing hazardous wastes will require, as appropriate:

- a) Exploring development and promotion of additional collection options, for example, returning products to stores.
  - b) Providing consumer information and education at a product's point of sale. Education should include information on alternatives and proper use, transport, storage and disposal.
  - c) Establishing cooperative efforts with retailers, distributors and manufacturers.
  - d) Securing alternative funding sources for hazardous waste services through charges when feasible and appropriate on products that make identifiable extraordinary burdens on the disposal system.
4. Collection Services - Design collection services to target reduction of identified risks and to include an integrated education component.

Collection services are a critical component of the strategy to reduce risks from use exposure to, improper storage of and improper disposal of hazardous products. Through targeting of households subject to greater risk (for example, households with large old stockpiles of hazardous materials) and integrating education into the service, collection services can achieve the risk reduction goal of the program, rather than simply accommodating disposal.

Designing collection services to reduce identified risks will require:

- a) Promoting and targeting services (events and facilities) to serve households identified as being at greater risk. Selecting the targets (e.g. households with stockpiles) is an integral part of the process of establishing the strategic direction for the program.
- b) Increasing the convenience of collection events. For example, locating events closer to targeted households.
- c) Integrating hazardous waste prevention education with collection events. Techniques such as reducing the size or increasing the duration of collection events to allow education opportunities will be explored.
- d) Regional funding of collection services.

5. Facilities - Utilize public and private solid waste facilities efficiently and effectively for the delivery of education and collection services.

Metro's two permanent collection facilities will provide the infrastructure necessary to process hazardous wastes received at solid waste facilities and collection events.

The strategy will require:

- a) Continuing operation of the two permanent Metro hazardous waste facilities.
- b) Ensuring education programs are integrated into collection services at facilities.
- c) Utilizing private solid waste facilities where appropriate for collection events.
- d) Regional transfer stations that accept public customers to provide opportunities for these customers to dispose of their household hazardous waste.
- e) Monitoring and analyzing usage patterns of facilities and events.
- f) Assessing the effectiveness of education programs.
- g) Exploring the need for any additional permanent facilities in five years.

ADOPTED by the Metro Council this \_\_\_\_ day of \_\_\_\_\_, 2000.

---

David Bragdon, Presiding Officer

ATTEST:

Approved as to Form

---

Recording Secretary

---

Daniel B. Cooper, General Counsel

## **EXECUTIVE SUMMARY**

### **Proposed Action**

Adoption of Ordinance No. 00-851, which amends the Regional Solid Waste Management Plan's (Plan) regarding goals, objectives and recommended strategies for the management of household hazardous wastes.

### **Why Necessary**

Over the past year, Metro has engaged in a process with staff, local governments and other interested parties to set a strategic direction for the program for the next five years. The process was undertaken in response to a steady growth in the number of customers using the collection facilities, and a need to move the Plan's recommended strategies beyond a focus on collection and disposal services. The process produced amendments to the Plan that places education for hazardous waste reduction at the heart of the program.

### **Issues\Concerns**

The proposed amendments provide strategic direction for the hazardous waste program for the next five years. Specific provisions in the amendments direct the Department to:

- Emphasize non-hazardous alternatives, waste reduction education and a risk reduction perspective.
- Focus outreach and education programs on effective methods of providing information about alternatives to hazardous products and waste reduction methods.
- Explore "shared product responsibility" initiatives with retailers, distributors and manufacturers as a means of reducing household dependence on Metro for collection and education services.
- Design collection services to reach targeted households (e.g. those with stockpiled materials) and to include an integrated education component.
- Utilize public and private solid waste facilities efficiently and effectively for the delivery of education and collection services.

### **Budget Impact**

In the short term, there will be increased expenditures for the new approach to collection services and the stronger focus on education. Over the longer term of three to five years, the strategies are intended to stabilize or reduce demand for collection services.

A draft implementation schedule showing task and costs associated with the program that implements the plan amendments is available for Council during the hearings on the present ordinance, as well as during the upcoming budget process.

## STAFF REPORT

### IN CONSIDERATION OF ORDINANCE NO. 00-851, FOR THE PURPOSE OF AMENDING THE REGIONAL SOLID WASTE MANAGEMENT PLAN REGARDING GOALS, OBJECTIVES AND RECOMMENDED STRATEGIES FOR THE MANAGEMENT OF HOUSEHOLD HAZARDOUS WASTES

---

Date: March 9, 2000

Presented by: Terry Petersen

#### **Action Requested and Purpose of the Ordinance**

The Council is requested to adopt Ordinance No. 00-851, which approves amendments the Regional Solid Waste Management Plan's (Plan) revising the Plan's recommendations on the management of household hazardous wastes. The amendments make the changes that are necessary to ensure the Plan remains a current and relevant policy document. The amendments are summarized later in this staff report.

#### **Existing Law**

The policies governing provision of hazardous waste services are contained within the Regional Solid Waste Management Plan (Plan). The Plan was adopted by the Council as a functional plan via Ordinance No. 95-624 and requires Council action by ordinance to be amended.

#### **Background**

##### *Introduction*

The adopted goal of Metro's hazardous waste program is to protect public health, safety and the environment. In order to achieve this goal, Metro's Regional Environmental Management Department (REM) provides hazardous waste reduction education programs and collection and processing services for residents and some small businesses within the region.

Metro provided its first collection event in 1986. By 1999, Metro's hazardous waste programs and services had grown to include:

- Two permanent facilities serving 24,000 customers per year
- Satellite collection events serving 7,000 customers per year
- Education programs including: education booklets and brochures; a telephone hotline; Natural Gardening workshops; and primary and secondary school education programs.

The services provided by these programs are well received by the public and broadly supported by citizens and Metro's local government partners. Other agencies also support Metro's hazardous waste programs (for example, fire departments, sewer and water quality agencies) because they see them as complementing their efforts.

### *Planning Process*

The number of customers using the permanent facilities has been growing steadily over the past several years and the Department wanted to ensure the program was focused on meeting specific objectives and not just “growing to meet demand.” To address these issues, REM staff undertook a planning process to determine the best direction for the program for the next five years.

The process looked at what the program was trying to achieve and how best to get there. Planning sessions were held with educators, outreach staff from neighborhood, fire, sewer, and water agencies, local government waste reduction staff and Metro’s hazardous waste facility staff. REM staff developed options for education and collection service strategies for stakeholders’ review and comment. The sessions provided very constructive feedback that was incorporated into the proposed strategies. Of particular value were suggestions about how to strengthen the education strategies. The strategic recommendations that resulted from the process place education about alternatives to hazardous products and ways to reduce generation of hazardous wastes at the center of the program.

### *Development of Amendments*

Based on the outcomes of the planning sessions, staff developed a set of recommended strategies for incorporation into the Plan. The amendments make minor clarifications to the Plan’s hazardous waste goal and objectives and replace the current recommended strategies with a set of unified strategies reflective of the results of the planning process. The new recommended strategies differ in focus and emphasis rather than substance from those being replaced. While the previous recommendations did include waste reduction strategies, they were focused in large part on the collection system.

Draft recommended amendments were present to the Solid Waste Advisory Council (SWAC) on December 15, 1999. The amendments were discussed further and unanimously approved at the January 19, 2000 meeting.

### *DEQ Approval*

Review of RSWMP amendments by the Oregon Department of Environmental Quality (DEQ) is required once the Metro Council approves them. The DEQ has the right of final approval on any RSWP amendments. The DEQ had an initial opportunity to comment on the amendments through their membership on the Solid Waste Advisory Committee and their staff has indicated they can support the amendments.

## Summary of the Proposed Amendments

The proposed amendments are contained in two parts: (1) Clarifications to the goals and objectives covering hazardous wastes; (2) Replacement of the existing recommended strategies in the Plan's hazardous waste chapter with the new recommendations developed during the planning process.

### *Goals and Objectives*

The language in the current goal does not clearly state the importance of "upstream" efforts to eliminate or reduce hazardous wastes. The current emphasis is primarily on potential problems for disposal system workers. However, this narrow emphasis conflicts with a wider perspective displayed in the three objectives enumerated under the goal as currently written. All three objectives currently refer to the importance of various "upstream" efforts including the use of non-hazardous alternatives, prevention, reuse and recycling. The proposed modifications bring the language of the overarching goal more in line with the language in the objectives.

#### Goal 13 Toxics Reduction

~~Reduce the toxicity of mixed solid waste to~~ Protect the environment, residents of the region and workers who collect, transport, process and dispose of waste by eliminating or reducing the risks from use, storage and disposal of hazardous materials by households and small businesses. ~~keeping hazardous waste out of the mixed solid waste collection and disposal system.~~

During the review of the proposed amendments with SWAC, the question was considered whether the phrase "from use, storage and disposal" somehow broadened the scope of the program. For example, would the program be critiquing manufacturers' instructions on the proper application of a product? This is not the intent of the phrase. The aim is to point out how risks can arise from more than just improper disposal and that the program's primary recommendation would be to eliminate use or find a non-hazardous alternative.

The proposed changes to the objectives clarify the aims of the education and disposal services provided by the program. The concept of reducing generation is now included as an aim of education efforts in Objective 13.2. In Objective 13.3, hazardous waste disposal services are to be "efficient and environmentally sound" as well as safe and convenient.

Objective 13.2 Educate residents of the region about alternatives to the use of hazardous products, how to generate less hazardous wastes and the proper disposal methods for hazardous waste.

Objective 13.3 Provide convenient, and safe, efficient and environmentally sound disposal services for hazardous waste that remains after implementing prevention and reuse practices.



## *Recommended Strategies*

The following five recommended strategies are proposed to replace those currently contained in the Plan.

1. **Strategic Framework** - Pursue a strategic direction that emphasizes non-hazardous alternatives, waste reduction education and a risk reduction perspective.

The strategic framework is intended to guide the development of a unified work plan for the hazardous waste program. The sharpened focus on education and identifying and targeting specific risks (e.g. households stockpiles of hazardous wastes) is intended to prevent the program from developing in a direction that simply accommodates increases in demand for disposal. Other specific elements of the strategy direct the program to measure program impacts, coordinate with related programs (e.g. sewer and waste agency pollution prevention efforts) and compare our regional efforts with other areas to ensure their effectiveness.

2. **Outreach and Education** - Focus outreach and education programs on reducing risks from use, storage or disposal of hazardous products.

The planning process revealed strong support from stakeholders for hazardous waste reduction education. While current Plan recommendations also endorse education efforts, the new recommendations place greater emphasis on identifying, targeting and changing specific household behaviors. The recommendations also direct attention to developing a unified message across all the program's components and integrating education into collection services.

3. **Shared Product Responsibility** - Incorporate a shared product responsibility approach to managing hazardous wastes.

Shared product responsibility is the effort to get all those involved in the production and use of a product (consumers, retailers, distributors and manufacturers) to share responsibility for managing the costs and other impacts of a product on society and the environment. For example, under this approach, residents could be provided with waste reduction information at retail stores and, if safe and feasible, an opportunity to "take-back" product residuals to a retail store. Staff expects that implementation of this strategy will be a longer-term development requiring extensive work with stakeholders.

4. **Collection Services - Design collection services to target reduction of identified risks and to include an integrated education component.**

The recommended strategy recognizes collection services as a critical component of the strategy to reduce risks from use, storage and disposal of hazardous products. Through targeting of households subject to greater risk (for example, households with large old stockpiles of hazardous materials) and integrating education into the service, collection services can achieve the risk reduction goal of the program – rather than simply accommodating disposal. Specific elements of the strategy may include making collection events more accessible, reducing the size of events and increasing the duration of events. These changes are to allow a greater opportunity for education services at the events. Funding for collection services is recommended to remain a regional responsibility.

5. **Facilities - Utilize public and private solid waste facilities efficiently and effectively for the delivery of education and collection services.**

Under the recommended strategy, Metro’s two permanent collection facilities will provide the infrastructure needed to process waste received at solid waste facilities and collection events for the next five years. Specific elements of the recommended strategy include using other solid waste facilities (e.g. material recovery facilities) in the region as sites for collection events and requiring regional transfer stations that take public customers to provide collection opportunities.

### **Budget Impact**

Implementation of the strategic direction set out in the amendments is expected to have both short and long term impacts. In the short-term of the next two years, there will be increased expenditures for the new approach to collection services and the stronger focus on education. In the longer term of three or more years, the strategies are intended to stabilize or reduce demand for collection services. Shared product responsibility initiatives are also intended to reduce the need for Metro to carry the entire fiscal burden of providing education and collection services.

Implementation of the plan for the hazardous waste program is to occur in three main phases: 1) Implementation of the new approach to collection; 2) Exploration of expanded adult education programs; 3) Shared Product Responsibility initiatives. Over the next two fiscal years, the major budget impacts would result from the implementation of the new approach to collection.

#### ***Phase 1 – New Approach to Collection***

Implementation of the new approach to collection consists of the smaller “roundup” events and integrated hazardous waste reduction education. The one-time costs of developing the education and targeting programs is estimated at \$105,000 and purchase of

equipment for the roundups is estimated at \$71,000. After the first year, maintaining the education and targeting efforts is estimated at \$40,000 per year in materials and services. Under the draft implementation plan, additional resources for the education and outreach efforts are recommended if available.

The traditional large collection events are still planned for the fall of 2000 regardless of the status of any new initiatives. If Council approves Ordinance 00-851 in time for the FY 2000-01, the new roundups would start in the spring of 2001. FY 2001-02 would be the first full year of operation of the roundup system.

The roundup event system is projected to serve a larger number of customers than does the current event system. However, the growth in the number of customers using the permanent facilities will be reduced. The total number of customers (events and permanent facilities) served by FY 2001-02 under the new approach is projected to be slightly greater than would have been the case under the old approach (45,000 versus 43,000). The cost to serve the additional customers is estimated at \$129,000.

The additional costs for the new approach to collection are an investment in waste prevention education. Without this investment, the number of customers using the collection facilities would be expected to continue to grow at a rapid rate. The new collection system can provide both the benefits from the proper disposal of hazardous wastes and a reduction in future collection and disposal costs.

#### *Phase II – Expanded Adult Education*

Phase II will explore expanding adult education efforts such as the Natural Gardening program. Retail point of purchase programs and coordination with water quality and salmon recovery efforts in the region are expected to be important elements. A regional program would require two years to develop placing potential implementation in FY 2002-03. During this development process, Council would be kept apprised of the program and its budget impacts.

#### *Phase III – Shared Product Responsibility*

Phase III would pursue shared product responsibility initiatives. These initiatives are long-term issues with short-term budget impacts limited to funds to research options and conduct stakeholder processes. Council would be kept apprised of the initiatives and potential budgetary impacts.

A draft implementation schedule showing tasks and costs associated with each phase is available on request to REM at (503) 797-1665.

BEFORE THE METRO COUNCIL

FOR THE PURPOSE OF AMENDING	)	ORDINANCE NO. 00-851
THE REGIONAL SOLID WASTE	)	
MANAGEMENT PLAN REGARDING	)	Introduced by Mike Burton,
GOALS, OBJECTIVES AND	)	Executive Officer
RECOMMENDED STRATEGIES	)	
FOR THE MANAGEMENT OF	)	
HOUSEHOLD HAZARDOUS WASTES	)	

WHEREAS, The Regional Solid Waste Management Plan (Plan), was adopted by the Council as a functional plan by Ordinance No. 95-624; and

WHEREAS, the Plan includes goals and objectives for the management of household hazardous wastes; and

WHEREAS, Metro has engaged in a public process with staff, local governments and other interested parties to set a new strategic direction for the program for the next five years; and

WHEREAS, that new strategic direction requires amendments to the Plan; and

WHEREAS, the Solid Waste Advisory Committee has recommended that Council adopt the amendments described in Exhibit A to this ordinance; and

WHEREAS, The amendments are consistent with the overall goal of the Regional Solid Waste Management Plan: To continue to develop and implement a Solid Waste Management Plan that achieves a solid waste system that is regionally balanced, environmentally sound, cost-effective, technologically feasible and acceptable to the public; and

WHEREAS, the ordinance was submitted to the Executive Officer for consideration and was forwarded to Council for approval; now, therefore,

**THE METRO COUNCIL ORDAINS AS FOLLOWS:**

SECTION 1. The Regional Solid Waste Management Plan's Goal 13, located at pages 5-8, is amended to read:

**Goal 13 - Toxics Reduction**

~~The toxicity of mixed solid waste to~~ Protect the environment, residents of the region and workers who collect, transport, process and dispose of waste by eliminating or reducing the risks from use, storage and disposal of hazardous materials by households and small businesses. ~~keeping hazardous waste out of the mixed solid waste collection and disposal system.~~

Objective 13.1 Manage hazardous waste based on the Environmental Protection Agency's hierarchy of "reduce, reuse, recycle, treat, incinerate and landfill."

Objective 13.2 Educate residents of the region about alternatives to the use of hazardous products, how to generate less hazardous wastes and proper disposal methods for hazardous waste.

Objective 13.3 Provide convenient, and safe, efficient and environmentally sound disposal services for hazardous waste that remains after implementing prevention and reuse practices.

SECTION 2. The Regional Solid Waste Management Plan section entitled "Solid Waste Facilities and Services, Household Hazardous Waste (HHW) Management" located at pages 7-28 to 7-32 is repealed.

SECTION 3. Section 4 of this Ordinance is added to and made a part of the Regional Solid Waste Management Plan.

SECTION 4.

**Solid Waste Facilities and Services  
Hazardous Waste Program**

The following recommended strategies are designed to provide a unified direction for the hazardous waste program firmly based on waste reduction education and targeting programs to reduce risks to public health and safety and the environment.

1. Pursue a strategic direction that emphasizes non-hazardous alternatives, waste reduction education and a risk reduction perspective.
2. Focus outreach and education programs on reducing risks from use, storage or disposal of hazardous products.

3. Incorporate a shared product responsibility approach to managing hazardous wastes.
  4. Design collection services to target reduction of identified risks and to include an integrated education component.
  5. Utilize public and private solid waste facilities efficiently and effectively for the delivery of education and collection services.
- 
1. Strategic Framework – Pursue a strategic direction that emphasizes non-hazardous alternatives, waste reduction education and a risk reduction perspective.

Use, storage or disposal of products containing hazardous components poses risks to human health and the environment. These risks include: fires or child poisonings resulting from improper storage; injuries to disposal system workers (haulers, transfer station or landfill workers); damage to streams and fish from runoff of improperly applied lawn chemicals or pesticides; and pollution of streams or ground water from improper disposal of auto products such as used oil or antifreeze.

Adoption of a strategic framework emphasizing reduction in these risks will entail incorporating the following directions into the work plan for the hazardous waste program:

- a) Make hazardous waste education a critical priority.
  - b) Identify the risks (e.g. fires, poisonings, and pollution) that arise from use, storage and disposal of hazardous products.
  - c) Target education programs and collection services to reduce these risks.
  - d) Coordinate with education and collection programs in other areas to ensure the efficiency and effectiveness of regional programs.
  - e) Coordinate education efforts with waste water and air quality agencies to ensure residents do not shift from disposing of hazardous waste in the garbage to disposing of it in the storm or sanitary sewer systems or through open air evaporation.
  - f) Coordinate with stream habitat and water quality programs.
  - g) Measure the impact of programs and services in reducing the identified risks.
- 
2. Outreach and Education - Focus outreach and education programs on reducing risks from use, storage or disposal of hazardous products.

Education programs will be directed to changing people's behavior in ways that reduce the identified risks from hazardous products. Education programs targeted to both adults and school children will provide information on alternatives to hazardous products, waste reduction methods and proper management of hazardous products.

Focusing education programs on alternatives, waste reduction and reducing identified risks will require:

- a) Developing education and outreach programs that target identified risks.

- b) Utilizing education methods that are shown to change use, storage and disposal practices.
  - c) Ensuring a unified approach and message across education and outreach programs.
  - d) Integrating education programs with collection services.
3. Shared Product Responsibility - Incorporate a shared product responsibility approach to managing hazardous wastes.

Shared product responsibility is the effort to get all those involved in the production and use of a product (consumers, retailers, distributors and manufacturers) to take responsibility for managing the costs and other impacts of a product on society and the environment. A shared responsibility approach for hazardous products should be flexible and may include different elements depending on the product. Examples include: producers' eliminating or reducing the toxicity of a product; product return to manufacturers or retailers when safe and appropriate; and collection through Metro with assistance of resources from product manufacturers or retailers. Development of non-Metro collection options for some products may provide opportunities to improve the efficiency of the system.

Developing a shared product responsibility approach to managing hazardous wastes will require, as appropriate:

- a) Exploring development and promotion of additional collection options, for example, returning products to stores.
  - b) Providing consumer information and education at a product's point of sale. Education should include information on alternatives and proper disposal.
  - c) Establishing cooperative efforts with retailers, distributors and manufacturers.
  - d) Securing alternative funding sources for hazardous waste services through charges on products that make identifiable extraordinary burdens on the disposal system.
4. Collection Services - Design collection services to target reduction of identified risks and to include an integrated education component.

Collection services are a critical component of the strategy to reduce risks from use, storage and disposal of hazardous products. Through targeting of households subject to greater risk (for example, households with large old stockpiles of hazardous materials) and integrating education into the service, collection services can achieve the risk reduction goal of the program – rather than simply accommodating disposal.

Designing collection services to reduce identified risks will require:

- a) Promoting and targeting services (events and facilities) to serve households identified as being at greater risk. Selecting the targets (e.g. households with stockpiles) is an integral part of the process of establishing the strategic direction for the program.

- b) Increasing the convenience of collection events. For example, locating events closer to targeted households.
  - c) Integrating hazardous waste prevention education with collection events. Techniques such as reducing the size or increasing the duration of collection events to allow education opportunities will be explored.
  - d) Regional funding of collection services.
5. Facilities - Utilize public and private solid waste facilities efficiently and effectively for the delivery of education and collection services.

Metro's two permanent collection facilities will provide the infrastructure necessary to process hazardous wastes received at solid waste facilities and collection events.

The strategy will require:

- a) Continuing operation of the two permanent Metro hazardous waste facilities.
- b) Ensuring education programs are integrated into collection services at facilities.
- c) Utilizing private solid waste facilities where appropriate for collection events.
- d) Regional transfer stations that accept public customers to provide opportunities for these customers to dispose of their household hazardous waste.
- e) Monitoring and analyzing usage patterns of facilities and events.
- f) Assessing the effectiveness of education programs.
- g) Exploring the need for any additional permanent facilities in five years.

ADOPTED by the Metro Council this \_\_\_\_ day of \_\_\_\_\_, 2000.

\_\_\_\_\_  
David Bragdon, Presiding Officer

ATTEST:

Approved as to Form

\_\_\_\_\_  
Recording Secretary

\_\_\_\_\_  
Daniel B. Cooper, General Counsel