

HAZARDOUS MATERIALS

HUNTINGTON BEACH

STATUTORY REQUIREMENTS

In addition to the seven mandatory elements, other optional elements may be included in a City's General Plan. The California Government Code Section 65303 states:

The General Plan may include any other elements or address any other subjects which, in the judgment of the legislative body, relate to the physical development of the county or city.

Huntington Beach's Hazardous Materials Element is just such an optional element. Once adopted, this element will have the same legal status as any of the mandatory elements. Additionally, other state requirements pertaining to the mandatory elements, such as internal consistency, also apply to the optional element.

TECHNICAL SYNOPSIS

A. BACKGROUND OF HAZARDOUS WASTE PLANNING IN ORANGE COUNTY

In February 1987, the Orange County Board of Supervisors directed the preparation of a countywide hazardous waste management plan. The Orange County Hazardous Waste Management Plan, completed in January 1989 and amended in June 1991, establishes a city and county action program for managing hazardous waste through the year 2000.

The City of Huntington Beach must implement and incorporate applicable portions of the County Plan into their General Plan and Zoning Ordinance. State law requires that implementation of the County Plan occur within 180 days of the Plan being approved by the State Department of Health Services.

B. HAZARDOUS MATERIALS OPERATION

If a business creates or disposes of hazardous waste, a permit is required from the Orange County Health Department. The types of permits range from the use of solvents and flammable materials (used in the ordinary repair of automobiles) to the treatment or handling of hazardous wastes in large quantities over prolonged periods of time. Businesses that use or store hazardous materials are required by County ordinance to disclose the amounts and the types of materials to the local fire departments. Per California Health and Safety Code 6.95 and the City of Huntington Beach Municipal Code 17.58, a Hazardous Materials Disclosure must be obtained from the City Fire Department for any business that: handles or stores more than 55 gallons of hazardous materials per year, handles or stores more than 500 pounds of hazardous materials per year, or stores more than 200 cubic feet of compressed gas on-site at any given time.

1. Small Scale Generation of Hazardous Waste

Many businesses generate a small quantity of hazardous waste to the regional waste stream. Based on information acquired from the California Environmental Protection Agency, Orange County Health Care Agency, and Huntington Beach Fire Department, the City of Huntington Beach has approximately 690 facilities registered as hazardous materials operations within its boundaries. The majority of these facilities are small scale generators such as auto body and repair garages, gas stations, dry cleaners, and light industry. A list of operations within the City of Huntington Beach is included in the General Plan Update Technical Background Report, July, 1992, Appendix D.

2. Household Hazardous Waste

The State of California does not exempt any hazardous waste generator from regulation, no matter how small the quantity of waste produced. A household possessing a small quantity of oil, solvent, oil-based paint, pesticide, bleach, or other common chemical classified as hazardous waste is required to dispose of it properly. However, public awareness of disposal law requirements is limited, and proper disposal sites are limited. The City of Huntington Beach, in conjunction with Orange County, has one permanent facility, the Orange County Household Hazardous Waste Collection Center. The Center is adjacent to the Rainbow Disposal Company transfer station on Nichols Avenue (see **Figure HM-1**).

3. Large Scale Generators

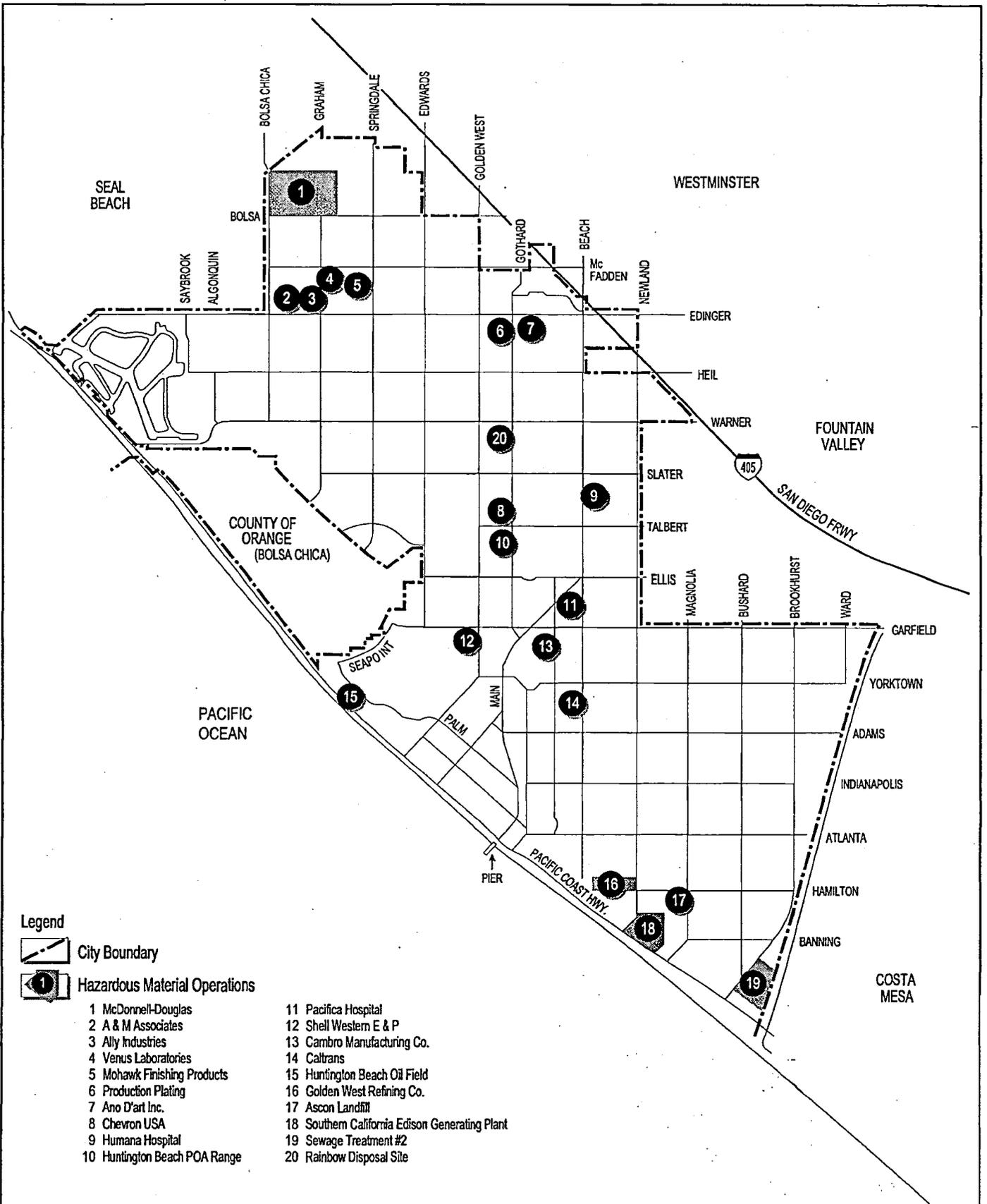
The Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) established the Federal guidelines for hazardous waste dump sites' clean up. Due to the huge number of hazardous waste sites regulated under CERCLA, the EPA developed a National Priorities ("Superfund") List (NPL) to establish priority for those sites which pose the greatest threat to the environment and public health. The State of California established a list called the California Priority Ranking List identifying and prioritizing "Superfund" sites. One "Superfund" site (Ascon Landfill) is located within Huntington Beach. In addition, the Huntington Beach Fire Department identifies 19 hazardous materials operations (including the "Superfund" site) that are of special concern (**Figure HM-1**).

4. Hazardous Waste Disposal

Due to environmental, public safety, and economic reasons, many of Southern California's landfills that previously accepted hazardous waste (Class I landfills) have closed in the last decade. Until December 1984, much of the hazardous waste produced in Huntington Beach was transported to the BKK Corporation Landfill in West Covina. Since December 1984, the two landfills accepting hazardous waste from Huntington Beach are Casmalia and Kettleman Hills. In response to the diminishing availability of Class I landfills, the philosophy of relying primarily on land disposal for hazardous waste has changed to reducing, recycling, and treating hazardous wastes to the maximum extent feasible.

C. HAZARDOUS MATERIALS TRANSPORTATION

Transportation of hazardous materials through the City of Huntington Beach is regulated under the U.S. Department of Transportation. A routine shipment of hazardous materials does not require that any notification be given. However, transport of acutely toxic/hazardous materials must be reported to the California Highway Patrol and, if city streets are used, to the local police department.



Legend

-  City Boundary
-  Hazardous Material Operations

- | | |
|-------------------------------|--|
| 1 McDonnell-Douglas | 11 Pacifica Hospital |
| 2 A & M Associates | 12 Shell Western E & P |
| 3 Ally Industries | 13 Cambro Manufacturing Co. |
| 4 Venus Laboratories | 14 Caltrans |
| 5 Mohawk Finishing Products | 15 Huntington Beach Oil Field |
| 6 Production Plating | 16 Golden West Refining Co. |
| 7 Ano D'art Inc. | 17 Ascon Landfill |
| 8 Chevron USA | 18 Southern California Edison Generating Plant |
| 9 Humana Hospital | 19 Sewage Treatment #2 |
| 10 Huntington Beach POA Range | 20 Rainbow Disposal Site |

HAZARDOUS MATERIAL OPERATIONS

CITY OF HUNTINGTON BEACH GENERAL PLAN



Since hazardous waste generators within the City of Huntington Beach are geographically dispersed, many major and primary arterials must be used for hazardous waste transport. There are no streets within the City that are specifically designated as hazardous waste haul routes. However, the Huntington Beach Police Department has stated that most hazardous waste transport occurs along the City's truck routes (**Figure HM-2**). The use of truck routes is preferred because the routes provide better road conditions (i.e., level of service, signalization, width, etc.) than smaller roadways in the City. In addition, most of the truck routes are located away from residential land uses, thus reducing the potential for hazardous material accidents within local neighborhoods.

Hazardous waste transport also occurs along the 405 Freeway. No hazardous waste transport occurs on the two railroads located within the City.

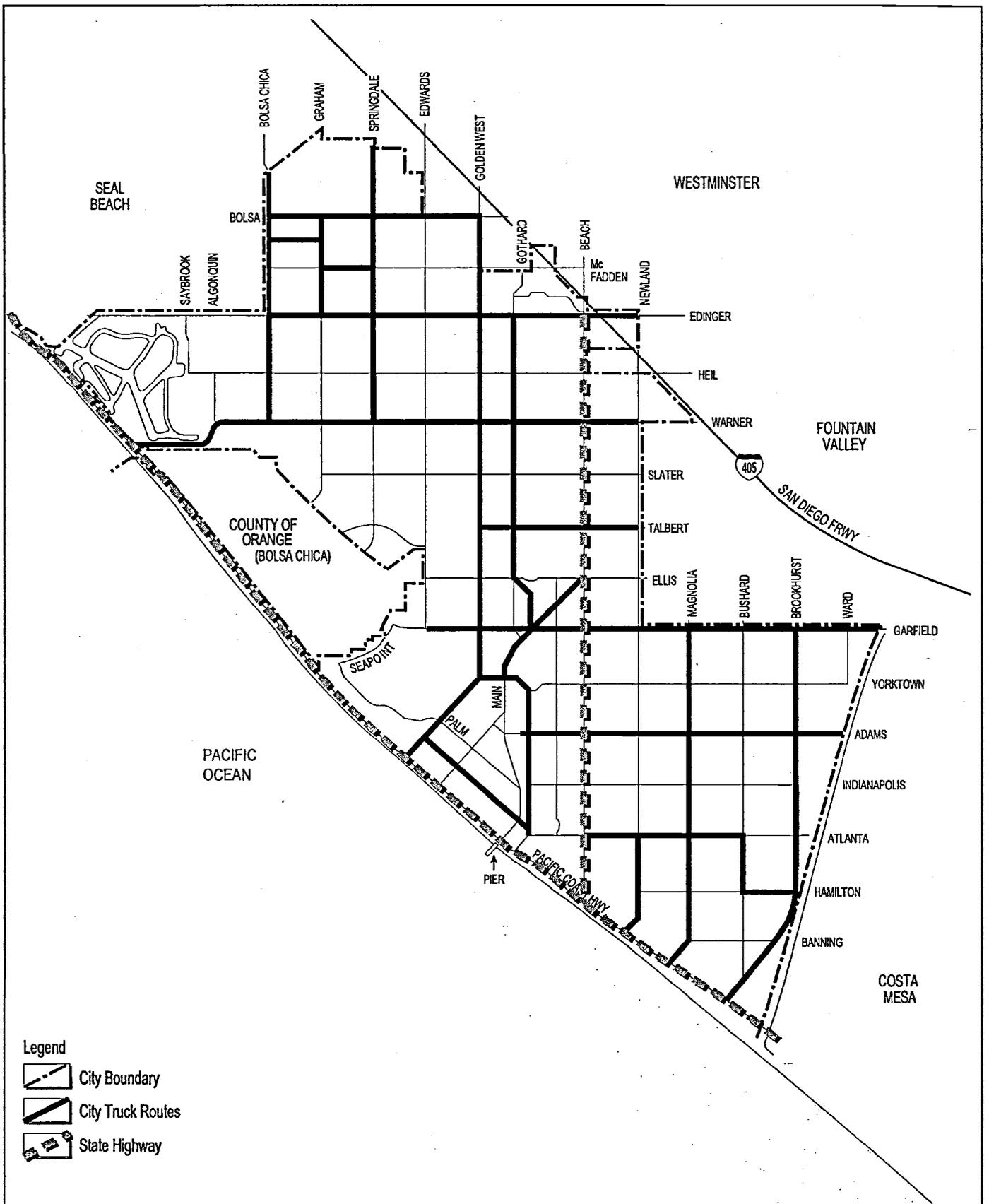
D. EMERGENCY RESPONSE

All Huntington Beach businesses handling or generating hazardous waste are required by state and federal law to form an emergency plan called a "Business Plan," and to forward a copy to the Huntington Beach Fire Department. This Plan must contain a site plan showing the location of the such substances, a detailed list of hazardous substances, a description of the evacuation emergency routes, and an employee training plan.

The Huntington Beach Fire Department responds to all local reports involving hazardous materials. If necessary, the Department Hazardous Materials Team responds for special expertise and equipment. The Hazardous Materials Team provides hazard identification, risk assessment, and control measures. The City is a provider agency in the Orange County Hazardous Materials Response Authority (OCCHMERA) which provides four additional Hazmat Teams in order to maximize available equipment and special expertise in any given emergency situation. Huntington Beach also maintains a Multi-Hazard Function Plan should a hazardous material accident create the need to evacuate all or a portion of the City.

ISSUES

1. Hazardous waste material and toxics will be stored, treated and transported in the City. The Orange County Hazardous Waste Management Plan (OCHWMP) prescribes environmental criteria to be used in considering land use decisions for the storage and transfer of hazardous materials. The City can establish more restrictive criteria for the siting of new off-site facilities for treatment, transfer, and disposal, if it so desires. (*HM 1.2.1 and HM 1.2.2*)
2. A collection system for small quantity generators should be established (businesses and households). (*HM 1.1.1*)
3. The City should promote public and private industry educational programs for hazardous materials management. (*HM 1.1.2, HM 1.1.3, HM 1.4.3 and HM 1.6.5*)
4. A more efficient coordination of hazardous materials management systems and regulations among jurisdictions should be implemented by the City. (*HM 1.1.4, HM 1.3.1 and HM 1.5.1*)
5. The City should establish requirements for on-site source reduction, treatment, and recycling of hazardous materials. (*HM 1.3.1, HM 1.3.2 and HM 1.4.4*)



Legend

-  City Boundary
-  City Truck Routes
-  State Highway

TRUCK ROUTES

CITY OF HUNTINGTON BEACH GENERAL PLAN

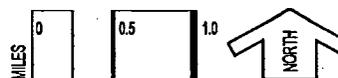


FIGURE HM-2

6. The use, transportation and handling of hazardous waste material can be excluded from certain areas in the City. This action can provide for the protection of environmentally sensitive resources such as air quality, groundwater, ocean and beaches, wetlands, habitats of rare and endangered species, agricultural lands, natural resources of recreational, cultural, and aesthetic value, critical public facilities, and valuable mineral resources. *(HM 1.2.2)*
7. The City of Huntington Beach can participate in the process of selecting safe transportation routes within the City's corporate limits. Streets adjacent to high population concentrations, or sensitive facilities such as schools and parks, can be considered for exclusion. *(HM 1.2.2)*
8. Construction of hazardous waste facilities should be structurally stable to ensure the effective containment of the hazardous material. Areas unacceptable for hazardous waste facilities can be eliminated to avoid natural hazards such as earthquakes, floods and storm-generated waves. *(HM 1.2.1)*
9. Plans for new development are reviewed by the various departments in the City. These departments are in good position to identify potential hazardous waste generators and advise them of required permits before the potential hazardous waste generators are established. *(HM 1.1.4 and HM 1.2.1)*
10. The City Fire Department and the City Police Department continue to play a key role in the on-site identification of hazardous materials, tracking of illegal dumping (especially near the beaches), and emergency response to hazardous materials accidents through cooperation with the County Health Departments. *(HM 1.1.4, HM 1.5.1, and HM 1.6.4)*

GOALS, OBJECTIVES, AND POLICIES

The following section presents that goals, objectives, policies, and programs for Hazardous Materials in the City of Huntington Beach. At the end of each policy is a reference to the appropriate implementation program. Each implementation program's schedule and possible funding sources are indicated in the Hazardous Materials Implementation Matrix.

Goal

HM 1

Reduce, to the greatest degree possible, the potential for harm to life, property and the environment from hazardous materials and hazardous waste.

Objective

HM 1.1

Promote the proper handling, treatment and disposal of hazardous materials and hazardous waste.

Policies

HM 1.1.1

Facilitate proper disposal of hazardous waste by providing means for safe disposal. *(I-HM 1, I-HM 2, and I-HM 3)*

HM 1.1.2

Ensure that all citizens have access to information regarding hazardous materials and waste handling, storage and disposal. *(I-HM 4)*

HM 1.1.3

Promote effective hazardous materials and hazardous waste management through community education. *(I-HM 1 and I-HM 4)*

HM 1.1.4

Implement federal, state and local regulations for the handling, storage and disposal of hazardous materials. *(I-HM 1, I-HM 5, I-HM 6, I-HM 7 and I-HM 8)*

Objective

HM 1.2

Avoid, to the extent feasible, risks from hazardous materials to sensitive uses such as hospitals, schools, residences, and environmentally sensitive areas.

Policies

HM 1.2.1

Support land use patterns that avoid development of hazardous waste generators adjacent to sensitive uses. *(I-HM 1, I-HM 3, and I-HM 6)*

HM 1.2.2

Ensure that hazardous waste transportation activities are conducted in a manner that will minimize risks to sensitive uses. *(I-HM 3, I-HM 7, and I-HM 8)*

HM 1.2.3

Support land uses or developments adjacent to or within close proximity of sensitive uses, which do not utilize, store, handle, or contain hazardous materials and/or waste, and which would create an unsafe, unhealthy, or hazardous condition for adjacent uses. *(I-HM 1, I-HM 6 and I-HM 8)*

Objective

HM 1.3

Reduce the amount of hazardous waste generated in the City.

Policies

HM 1.3.1

Encourage practices and technologies which will reduce the generation of hazardous wastes at their source. *(I-HM 9)*

HM 1.3.2

Promote the recovery and recycling of hazardous materials. *(I-HM 10)*

Objectives

HM 1.4

Promote the identification and remediation of existing hazardous waste sites.

Policies

HM 1.4.1

Identify and map all existing hazardous waste sites. *(I-HM 1)*

HM 1.4.2

Require containment of the hazard waste site, thereby, ensuring the contaminated waste does not migrate or contaminate an adjacent site nor contaminate the ground water. *(I-HM 3 and I-HM 6)*

HM 1.4.3

Promote public education regarding the hazardous waste sites. *(I-HM 4)*

HM 1.4.4

Require that the owners of contaminated sites develop a remediation plan with the assistance of the Orange County Environmental Management Agency (EMA). *(I-HM 7)*

Objective

HM 1.5

Ensure that the City's hazardous waste management concerns are adequately addressed in regional hazardous waste management plans.

Policies

HM 1.5.1

Participate in County-wide hazardous waste management decisions. *(I-HM 1)*

HM 1.5.2

Utilize the regional fair share facility needs assessment and facility siting criteria when developing and implementing regulations, and when considering sites for hazardous waste management facilities. *(I-HM 1)*

Objective

HM 1.6

Ensure effective emergency response and emergency preparedness to minimize the risk to public health and safety and damage to property and the environment from hazardous materials incidents such as spills or contamination.

Policies

HM 1.6.1

Maintain and update emergency response plans for hazardous materials incidences. *(I-HM 1 and I-HM 4)*

HM 1.6.2

Protect groundwater supplies by providing for the timely removal of contaminated water from the aquifer. *(I-HM 1)*

HM 1.6.3

Continue to assist State efforts for clean up of uncontrolled contaminated sites previously used for hazardous waste disposal. *(I-HM 1)*

HM 1.6.4

Promote county-wide emergency response and emergency preparedness. *(I-HM 1)*

HM 1.6.5

Inform citizens about hazardous materials emergency response and preparedness through community education. *(I-HM 4)*

IMPLEMENTATION PROGRAMS

I-HM 1

Interagency Program Participation and Coordination

- a. Continue to participate in the Orange County a) site screening and selection processes to identify areas and sites appropriate for hazardous waste management facilities, and b) small quantity generators management implementation programs.
- b. Continue to participate in ongoing Orange County programs (such as toxic round ups and the Household Hazardous Waste Collection Facility) which assist in the collection and disposal of household hazardous waste.
- c. Participate with the Orange County EMA and Orange County Health Department in all future advisory committees and groups formed to implement and update the Orange County Hazardous Waste Management Plan.
- d. Continue City Council participation in the Southern California Hazardous Waste Management Authority efforts to provide comprehensive hazardous waste management on a regional basis.
- e. Establish an ongoing program to share and standardize hazardous waste data among city and county agencies.
- f. Continue to coordinate with local, regional, State and Federal agencies to provide comprehensive emergency response for spills, illegal dumping and other incidents involving hazardous material and wastes.

- g. Participate in the Orange County Water District activities to administer a program identifying where hazardous materials or waste threaten underground water supplies. This program may include pumping contaminated water out of the aquifer, treating the water in various ways and disposing of the treatment by-products through industrial sewer discharge or other hazardous waste disposal methods.
- h. Conduct a citywide survey to identify and map all existing hazardous waste sites. Every three years, the list should be updated to include any newly identified sites or to delete any remediated sites.
- i. Continue interdepartmental coordination between City agencies and departments.

I-HM 2

Alternative Collection Program

Establish a household hazardous waste alternative collection methods program for residents who are unable to deliver their materials to a collection facility.

I-HM 3

Ordinances

- a. Develop and adopt an ordinance provision that establishes local land use policies, siting criteria, and permit processes for the siting of off-site hazardous waste management facilities.
- b. Revise the Zoning and Subdivision Ordinance, specifically the land use regulations, to protect sensitive facilities such as hospitals, schools and residences from risks associated with hazardous materials using facilities.
- c. Adopt ordinances which restrict hazardous material transport activities through urban areas and limit truck travel to non-peak hour traffic times.
- d. Adopt an ordinance which establishes standards for the containment and remediation of hazardous waste sites.

I-HM 4

Public Education/Outreach

- a. Develop and implement a public outreach program to improve community awareness of household hazardous materials risks and appropriate disposal methods.
- b. Continue to use public education programs to encourage the implementation of source reduction methods that can be applied to product design, manufacture, sale, purchase and use to reduce the quantity and toxicity of waste generated.
- c. Continue to work with industry and business representatives, waste management experts, citizens and agencies to establish and maintain an information clearinghouse and education program to provide information on the chemical properties, health effects, safe disposal methods, permitting requirements and alternative management techniques of hazardous wastes.
- d. Inform the public of illegal or threatened illegal discharges of hazardous waste that are likely to cause substantial injury to public health or safety.
- e. Develop a community outreach program to improve community awareness of emergency response and preparedness plans.

I-HM 5

Site Inspections

- a. Continue to conduct routine inspections of hazardous waste-generating facilities to evaluate the handling, storage and disposal methods utilized; conduct audits of hazardous waste-generating industries including sampling of hazardous waste shipments to determine compliance with labeling, packaging, and manifest requirements.
- b. Continue to respond to improper storage and disposal complaints regarding industrial facilities in the City; conduct follow-up inspections to verify that deficiencies and violations of hazardous waste regulations are corrected; issuance of Notices of Violation and legal action.

I-HM 6

**Development Review/Permitting
Process/Environmental Review**

Through the development review, permitting, and environmental review processes:

- a. require that property owners utilize current technology for hazardous materials and waste sites remediation;
- b. continue to incorporate the Fire Department in the review of new development and the occupancy of new uses which use, store or dispose of hazardous materials; and
- c. continue to incorporate review of hazardous waste issues into City planning, environmental review, and land use permitting processes for new development and for new uses' business license permitting.

I-HM 7

Regulation Enforcement

- a. Continue to administer and enforce State regulations for hazardous substances in underground storage tanks to ensure that newly constructed underground storage tanks meet appropriate standards and that existing tanks are properly maintained, inspected, and tested.
- b. Continue to implement and enforce local hazardous materials disclosure ordinances and AB 2185 to maintain up-to-date information about the types, quantities and locations of hazardous materials and wastes and to participate in related emergency hazardous incident response activities in Orange County.
- c. Continue to comply with State and Federal hazardous waste transportation regulations.
- d. Establish a interdepartmental coordination and/or sign-off system which ensures that all regulations, standards, and requirements have been compiled prior to project approval, issuance of building permits, or issuance of licenses.

I-HM 8

Extremely Hazardous Materials Movement

Establish and implement guidelines for the movement of extremely hazardous materials including routes, carrying containers, travel periods, and other security measures.

I-HM 9

Hazardous Waste Generation Reduction and Treatment/Disposal Alternatives Program

Continue the hazardous waste generation reduction and on-site treatment/disposal program.

I-HM 10

Source Reduction and Recycling Element and Household Hazardous Waste Elements¹

Continue to implement the policies of the Source Reduction and Recycling Element (SRRE) and the Household Hazardous Waste Element (HHWE).

¹ While the Source Reduction and Recycling Element and the Household Hazardous Waste Element are titled "element," they are not part of the General Plan. The SRRE and HHWE are maintained and enforced by the City's Department of Public Works.

No.	Name	ADMINISTRATION											CITY OF HUNTINGTON BEACH					SCHEDULE				
		Community Development Department	Community Services Department	Economic Development Department	Fire Department	Library Services Department	Police Department	Public Works	Planning Commission	City Council	School Districts	County of Orange	Other	General Funds	Assessment Districts	Development Fees	Redevelopment Tax Increment Revenue		Grants	Other Approved Fees	State Funds	Federal Funds
PROGRAM		CITY OF HUNTINGTON BEACH											CITY OF HUNTINGTON BEACH					SCHEDULE				
		RESPONSIBLE AGENCY											FUNDING SOURCE					SCHEDULE				
HM-1	Interagency Program Participation and Coordination	•		•				•	•		•	•	•	•					•	•	•	Ongoing *
HM-2	Alternative Collection Program	•		•					•					•								2 Years upon Plan Adoption *
HM-3	Ordinances	•		•				•	•					•					•			2 Years upon Plan Adoption
HM-4	Public Education / Outreach			•										•								Ongoing *
HM-5	Site Inspections			•										•					•			Ongoing *
HM-6	Development Review / Permitting Process/ Environmental Review	•		•										•					•			Ongoing *
HM-7	Regulation Enforcement	•		•							•			•					•			Ongoing *
HM-8	Extremely Hazardous Materials Movement			•					•					•								2 Years upon Plan Adoption *
HM-9	Hazardous Waste Generation Reduction and Treatment / Disposal Alternatives Program			•										•								Ongoing *
HM-10	Source Reduction and Recycling Element and Household Hazardous Waste Element	•		•										•								Ongoing *

* As funding permits

**HAZARDOUS MATERIALS
IMPLEMENTATION PROGRAM MATRIX**

CITY OF HUNTINGTON BEACH GENERAL PLAN

