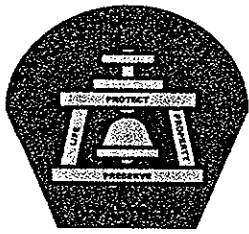


Appendix D
Hazardous Material Response Team Report

Report



RIVERSIDE COUNTY FIRE DEPARTMENT

210 West San Jacinto Avenue • Perris, California 92570 • (909) 940-6900 • Fax (909) 940-6910

John Hawkins
Fire Chief

Proudly serving the
unincorporated
areas of Riverside
County and the
Cities of:

September 14, 2007

Banning



Beaumont



Calimesa



Canyon Lake



Coachella



Desert Hot Springs



Indian Wells



Indio



Lake Elsinore



La Quinta



Moreno Valley



Palm Desert



Perris



Rancho Mirage



San Jacinto



Temecula

Board of Supervisors

Bob Buster,
District 1

John Tavaglione,
District 2

Jim Venable,
District 3

Roy Wilson,
District 4

Marion Ashley,
District 5

To: Riverside County Flood Control and
Water Conservation District
NPDES Section

Re: 2006/07 Annual Report on Hazardous
Materials Emergency Response Team Activities

Attached is the Annual Report on Hazardous Materials Response Team activities for FY 2006/2007. Responses included in this annual summary are for the Santa Ana, Santa Margarita and Whitewater Rivers and the respective Regional Boards. Should you require clarification or further information, please contact us at your convenience.

Respectfully submitted,

Robert H. Becker Jr.
Fire Apparatus Engineer/Hazmat Specialist
Hazardous Materials Response Team 34
(951) 926 3591

2006/07 Annual Report
Riverside County Fire Department
Hazardous Materials Emergency Response
Team Activities

Santa Ana, Santa Margarita and Whitewater
Regions

September 14, 2007

Prepared for

**Riverside County Flood Control
and Water Conservation District**

Cal Fire/Riverside County Fire Department
210 West San Jacinto Street
Perris, CA 92570

Table of Contents

<u>Section</u>	<u>Page</u>
1.0 Summary	2
2.0 Introduction to the Hazardous Materials Response Team	2
3.0 Program Management and Development	3
4.0 Public Education	4
5.0 Municipal Employee Training	5
6.0 Prevention Measures	6
7.0 Incident Summary	7

1.0 Summary

This report addresses the Riverside County Fire Department's Hazardous Materials Response Team activities for the period of July 1, 2006 to June 30, 2007. The report details program development, public outreach efforts, municipal staff training, runoff prevention measures, and call summary. Hazardous Material Response Team activities included in this report were actual hazardous material releases that potentially threatened the watersheds of the Santa Ana, Santa Margarita, and Whitewater Rivers overseen by the Riverside County Flood Control and Water Conservation District.

2.0 Introduction to the Hazardous Materials Response Team

The 2006/2007 Annual Report on Hazardous Materials Emergency Response Team Activities summarizes responses to environmental emergencies for the purpose of controlling the release of toxic materials and minimizing the impact on public safety and the environment. The Riverside County Fire Department Hazardous Materials Response Team, established in 1986, continues with its mission of providing service within Riverside County through a partnership program that combines the efforts from Cal Fire/Riverside County Fire Department and the Hazardous Material Branch of Riverside County Environmental Health.

The Hazardous Materials Response Team responds to environmental emergencies within the County of Riverside and provides mutual aid to Imperial County. An additional responsibility of the HMRT is oversight and coordination of the NPDES Storm Water Discharge Permit for Riverside County Fire Department facilities. The HMRT oversees maintenance and implementation of the Storm Water Pollution Prevention Program (SWPPP) for county fire stations and facilities which includes the implementation of Best Management Practices (BMPs) municipal employee training and Riverside County Fire Fighting Agencies BMPs.

Riverside County Fire Department is one of the largest fire departments within California in both geographic coverage and firefighting personnel, providing emergency service to Riverside County and the cities of Banning, Beaumont, Calimesa, Coachella, Desert Hot Springs, Indian Wells, Indio, La Quinta, Moreno Valley, Palm Desert, Perris, Rancho Mirage, San Jacinto, and Temecula. The Riverside County Fire Department operates 94 fire stations with over 1200 employees.

3.0 Program Management and Development

With the continued development and population growth of Riverside County, total numbers of emergency incidents are increasing. Riverside County Fire Department is committed to meeting the demand for public service and has developed plans and contingencies for continued expansion through placement of new facilities and additional personnel. With the increase in the total number of emergency incidents, there is a related increase in Hazardous Materials related incidents. The Hazardous Material Response Team is meeting this increase in service with the following program developments:

- FY 2001/2002, this year saw the development of two dedicated Hazardous Materials Response Teams, consisting of five Firefighter/Hazardous Material Technicians per team. Team One is located in Winchester, CA and Team Two is located in Palm Desert, CA.
- FY 2002/2003, the purchase of three new hazardous materials response vehicles, consisting of two support trucks, and a tractor-trailer main unit. The main unit was assigned to Hazmat Team 1 and one support truck is assigned to each team. There have been additional purchases of equipment and monitors to ensure a full compliment of tools for both teams.
- FY 2003/2004, two Mass Decontamination Response Trailers, capable of treating 200 patients per hour, were purchased with grant money and placed in-service for both teams. A change in the designators for the Hazardous Materials Response Teams was made; "Hazmat 1" and "Hazmat 2" became "Hazmat 34" and "Hazmat 81", to reflect the geographic locations of the Hazmat Response teams, improving communications and organization.
- FY 2004/2005, participating fire departments within Riverside County developed Best Management Practices (BMPs) that are intended to be used by fire fighting agencies for urban runoff management. These BMPs are a requirement of the Riverside County Municipal Stormwater permit (section XI.B) adopted by the Santa Ana Regional Water Quality Control Board (SARWQCB). Due to an operational need the two response teams were combined into one team and separated into three locations.
- FY 2005/2006, the Hazardous Materials Response Team was reorganized into two distinct teams, Hazmat 34 at Winchester Fire Station 34 and Hazmat 81 at North Bermuda Dunes Fire Station 81. Daily on duty staff is 10 Hazardous Materials Specialists providing service to the county.

- FY 2006/2007, approximately \$25000.00 was expended on Vetter air bags to replace older complements and add to the capabilities of Hazmat 81. Vetter air bags are a significant tool that can be used to occlude accidental discharges from impacting the storm water system. Further developments, the installation of MDTs (mobile data terminals) in all front line fire equipment, and Riverside County environmental health officer vehicles. This allows for improvements in locating and responding to incidents, orthographic mapping of incidents and integrating technology which the ability to access the Health Department's Business Response Plans. A \$400,000 purchase has been approved to replace the main Hazmat Response Team vehicle at Station 81 and it is scheduled to be placed in service in FY 2007/2008.

4.0 Public Education

The Hazardous Materials Response Team is available for public education, and dedicates time to provide information and education regarding environmental safety and Storm Water Pollution Prevention. Both teams have participated in public relation and education events during FY 2006/2007 on an average of 1- 2 per month. Hazmat Response Team personnel are made available to provide information and education through direct public contact, and materials. These events have included:

- The Riverside County Fair held annually at Indio, CA.
- Educational presentations at public schools, grades K through 12.
- Safety fairs held at the cities of La Quinta, Hemet, Perris, Moreno Valley, and Temecula.
- Public events within Riverside County.

Public information and education is provided through materials that the Hazardous Materials Response Team hands out during the various events that are attended during the year and information that team members provide during equipment displays.

- "Household Hazardous Waste Collection Site Schedule" (schedule) Riverside County Environmental Health.
- "Household Hazardous Waste" (pamphlet), Stormwater Cleanwater Protection Program.

- "Stormwater Pollution, What You Should Know" (pamphlet) Stormwater Cleanwater Protection Program.
- "Stormwater Pollution, Outdoor Cleaning Activities" (pamphlet) Stormwater Cleanwater Protection Program.
- "Storm Drains Flow directly to our Waterways" (poster) Stormwater Cleanwater Protection Program.

5.0 Municipal Employee Training

Successful Storm Water Pollution Prevention is dependent upon a standard operation policy and effective education of department employees. Team members from the Hazardous Material Response Team are available to train and educate the approximately 1200 Riverside County Fire Department personnel on the Storm Water Pollution Prevention Program and the National Pollution Discharge Elimination System. In previous years, the training was conducted at individual fire stations, or during employee orientation at Clark Training Center.

To comply with NPDES permit requirements for municipal employee training, and to ensure a consistent training program, Riverside County Fire Department produced a video training program that is distributed to all 95 fire department facilities to compliment the SWPPP manuals that are available for reference at the facilities. Employees are encouraged to view the program on an annual basis. The training covers BMPs, (best management practices) that apply to municipal facilities.

Fire Station/Municipal Facility Activities

- Dispensing of Fuel.
- Vehicle and equipment parking and storage.
- Vehicle and equipment maintenance.
- Vehicle and equipment washing and cleaning.
- Leak and spill cleanup.
- Landscape, garden, and general maintenance and cleaning.
- Loading, handling, storage of chemicals, oil, trash, and debris.

6.0 Prevention Measures

Members of the Hazardous Materials Response Team were involved in the development of best management practices (BMPs) that are used by participating Riverside County fire fighting agencies for urban runoff management. These best management practices were a requirement of the Riverside County Municipal Storm Water Permit (section XI.B) adopted by the Santa Ana Regional Water Quality Control Board in 2004.

The Riverside County Fire Chief's Association adopted the fire department activities to provide guidance to firefighting personnel for management of urban runoff. The BMPs, when followed, minimize discharges of runoff to the municipal separate storm sewer system (MS4) associated with firefighting activities such as fire training, emergency scene spills, discharges and firefighting.

The following Emergency and Non-emergency Firefighting Activities were addressed:

- Discharges associated with fire training activities.
- Discharges associated with post-emergency fire fighting activities.
- Discharges associated with activities conducted at fire department facilities.
- Discharges associated with emergency fire fighting activities.
- Stormwater NPDES training of fire department employees.

7.0 Incident Summary

From July 2006 through June of 2007, Hazardous Materials Response Teams, Hazmat 34 and Hazmat 81, responded to a total of **580** hazardous material related incidents. **117** of these incidents were a threat or potential threat to the stormwater system of Riverside County Flood Control and the Santa Ana, Santa Margarita and Whitewater watersheds.

- Hazardous Materials Fires 6
- Clandestine Drug Lab 1
- Illegal Dumping 55
- Spills at Fixed Facilities 6
- Spills from Mobile Property and Equipment 49

Total **117**

The average length of time spent on a hazardous materials related incident is two hours. Based on **117** flood control related incidents, the Hazardous Materials Response Team provided **406** service hours to the Riverside County Flood Control District.

Incident Date	Incident Number	Station PRA	Watershed	Type of Hazmat
07/03/06	6056277	3,Nuevo	Santa Ana	ILD
07/07/06	6057623	6,MoVal	Santa Ana	ILD
07/10/06	6058634	90,Perris	Santa Ana	SPM
07/13/06	6059515	58,MoVal	Santa Ana	ILD
07/15/06	6060422	88,Indio	Whitewater	SPM
07/17/06	6060952	2,MoVal	Santa Ana	ILD
07/19/06	6061472	24,Cabazon	Whitewater	ILD
07/20/06	6061841	16,Pedley	Santa Ana	ILD
07/26/06	6063979	58,MoVal	Santa Ana	ILD
08/07/06	6067599	61,Wildomar	Santa Ana	ILD
08/09/06	6068161	81,P.Desert	Whitewater	SPM
08/14/06	6069501	12,Temecula	San Diego	SPM
08/17/06	6070403	2,MoVal	Santa Ana	SPM
08/17/06	6070474	4,Cajalco	Santa Ana	ILD
08/23/06	6072273	1,Perris	Santa Ana	ILD
08/26/06	6073237	58,MoVal	Santa Ana	SPM
09/02/06	6075369	58,MoVal	Santa Ana	ILD
09/11/06	6078102	73,Temecula	San Diego	SPM
09/16/06	6079683	19,HighGrv	Santa Ana	ILD
09/20/06	6080783	59,MeadVal	Santa Ana	ILD

2006/2007 Annual Report on Hazardous Materials Response Team Activities

09/20/06	6080820	25, S. Jacinto	Santa Ana	SPM
09/21/06	6081042	94, L. Elsinore	Santa Ana	ILD
09/21/06	6081067	4, Cajalco	Santa Ana	ILD
09/30/06	6083819	54, Homeland	Santa Ana	ILD
10/01/06	6084062	36, N. PalmSpr	Whitewater	SPM
10/02/06	6084339	89, Banning	Santa Ana	SPM
10/04/06	6084933	54, Homeland	Santa Ana	ILD
10/08/06	6086100	16, Pedley	Santa Ana	SPM
10/09/06	6086344	66, Beaumnt	Santa Ana	SPM
10/12/06	6087190	13, HomeGrdn	Santa Ana	ILD
10/24/06	6090899	15, ElCerrito	Santa Ana	HZF
10/27/06	6091583	89, Banning	Santa Ana	SPM
10/31/06	6092856	4, Cajalco	Santa Ana	ILD
10/31/06	6092908	73, Temecula	San Diego	SPM
11/06/06	6094714	27, Eastvale	Santa Ana	ILD
11/15/06	6097156	17, GlenAvon	Santa Ana	SPM
11/17/06	6097877	25, S. Jacinto	Santa Ana	ILD
11/25/06	6100396	42, Thermal	Whitewater	HZF
11/27/06	6101050	66, Beaumnt	Santa Ana	SPM
11/29/06	6101439	24, Cabazon	Whitewater	SPM
12/02/06	6102485	7, SunCity	Santa Ana	SPM
12/08/06	6104362	17, GlenAvon	Santa Ana	ILD
12/12/06	6105613	59, MeadVal	Santa Ana	ILD
12/12/06	6105653	34, Winchestr	Santa Ana	ILD
12/19/06	6107823	78, S. Jacinto	Santa Ana	SPM
12/24/06	6109426	Murrieta	San Diego	SPM
12/25/06	6109741	78, S. Jacinto	Santa Ana	SPM
01/01/07	7000182	87, Indio	Whitewater	ILD
01/06/07	7001718	72, ValVista	Santa Ana	DRUG
01/06/07	7001739	68, Menifee	Santa Ana	ILD
01/06/07	7001874	66, Beaumnt	Santa Ana	ILD
01/09/07	7002657	35, Thous. Paims	Whitewater	SPM
01/10/07	7003064	78, S. Jacinto	Santa Ana	ILD
01/14/07	7004459	34, Wincheter	Santa Ana	HZF
01/14/07	7004491	1, Perris	Santa Ana	ILD
01/15/07	7004886	58, MoVal	Santa Ana	HZF
01/22/07	7007155	25, S. Jacinto	Santa Ana	SPM
01/31/07	7009853	17, GlenAvon	Santa Ana	SPM
01/31/07	7009855	38, Rubidoux	Santa Ana	SPM
02/02/07	7010639	66, Beaumnt	Santa Ana	SPM
02/07/07	7012289	76, Menifee	Santa Ana	ILD
02/10/07	7013231	61, Wildomar	Santa Ana	ILD
02/16/07	7014967	65, MoVal	Santa Ana	SPM
02/16/07	7015030	5, QuailVal	Santa Ana	SPM
02/21/07	7016565	32, LaQuinta	Whitewater	ILD
02/23/07	7017276	35, Thous. Palms	Whitewater	SPM
02/26/07	7018124	50, R. Mirage	Whitewater	SPF
02/27/07	7018394	84, Temecula	San Diego	ILD
02/28/07	7018834	17, GlenAvon	Santa Ana	SPM

03/02/07	7026750	68, Menifee	Santa Ana	SPM
03/03/07	7019653	73, Temecula	San Diego	SPM
03/03/07	7019746	73, Temecula	San Diego	ILD
03/03/07	7019828	6, MoVal	Santa Ana	ILD
03/04/07	7019990	36, N. PalmSpr	Whitewater	SPM
03/06/07	7020581	68, Menifee	Santa Ana	SPM
03/23/07	7026216	27, Eastvale	Santa Ana	ILD
03/24/07	7026587	72, ValVista	Santa Ana	ILD
03/25/07	7026843	42, Thermal	Whitewater	ILD
03/25/07	7026702	15, ElCerrito	Santa Ana	SPM
03/26/07	7027011	66, Beaumnt	Santa Ana	SPM
03/28/07	7027638	90, Perris	Santa Ana	ILD
03/29/07	7027993	13, HomeGrdn	Santa Ana	SPF
04/03/07	7029656	41, N. Shore	Whitewater	SPM
04/04/07	7029844	12, Temecula	San Diego	ILD
04/04/07	7029888	34, Winchester	Santa Ana	SPF
04/07/07	7030784	17, GlenAvon	Santa Ana	SPM
04/09/07	7031605	Murrieta	Whitewater	SPM
04/09/07	7031457	12, Temecula	San Diego	ILD
04/10/07	7031741	66, Beaumnt	Santa Ana	ILD
04/14/07	7033092	38, Rubidoux	Santa Ana	ILD
04/16/07	7033677	16, Pedley	Santa Ana	ILD
04/19/07	7034545	83, Temecula	San Diego	ILD
04/26/07	7036787	94, L. Elsinore	Santa Ana	SPM
04/27/07	7037064	94, L. Elsinore	Santa Ana	SPM
05/02/07	7038791	18, W. Riverside	Santa Ana	SPF
05/03/07	7039065	34, Winchestr	Santa Ana	SPM
05/03/07	7039117	92, Temecula	San Diego	SPF
05/07/07	7040388	93, LaQuinta	Whitewater	ILD
05/08/07	7040795	17, GlenAvon	Santa Ana	HZF
05/09/07	7041180	88, Indio	Whitewater	ILD
05/18/07	7043850	1, Perris	Santa Ana	ILD
05/23/07	7045523	12, Temecula	San Diego	SPM
05/25/07	7046025	58, MoVal	Santa Ana	SPM
05/28/07	7046972	6, MoVal	Santa Ana	ILD
06/01/07	7048118	65, MoVal	Santa Ana	SPM
06/08/07	7050240	92, Temecula	San Diego	SPM
06/08/07	7050342	1, Perris	Santa Ana	ILD
06/13/07	7051883	66, Beaumnt	Santa Ana	ILD
06/16/07	7052824	22, CherryVal	Santa Ana	SPF
06/17/07	7053191	53, GarnerVal	Santa Ana	ILD
06/18/07	7053592	68, Menifee	Santa Ana	ILD
06/22/07	7054754	21, Calimesa	Santa Ana	SPM
06/24/07	7055548	89, Banning	Santa Ana	SPM
06/25/07	7055736	89, Banning	Santa Ana	HZF
06/26/07	7055961	34, Winchester	Santa Ana	ILD
06/28/07	7056637	17, GlenAvon	Santa Ana	SPM
06/29/07	7057012	28, Sage	San Diego	ILD