



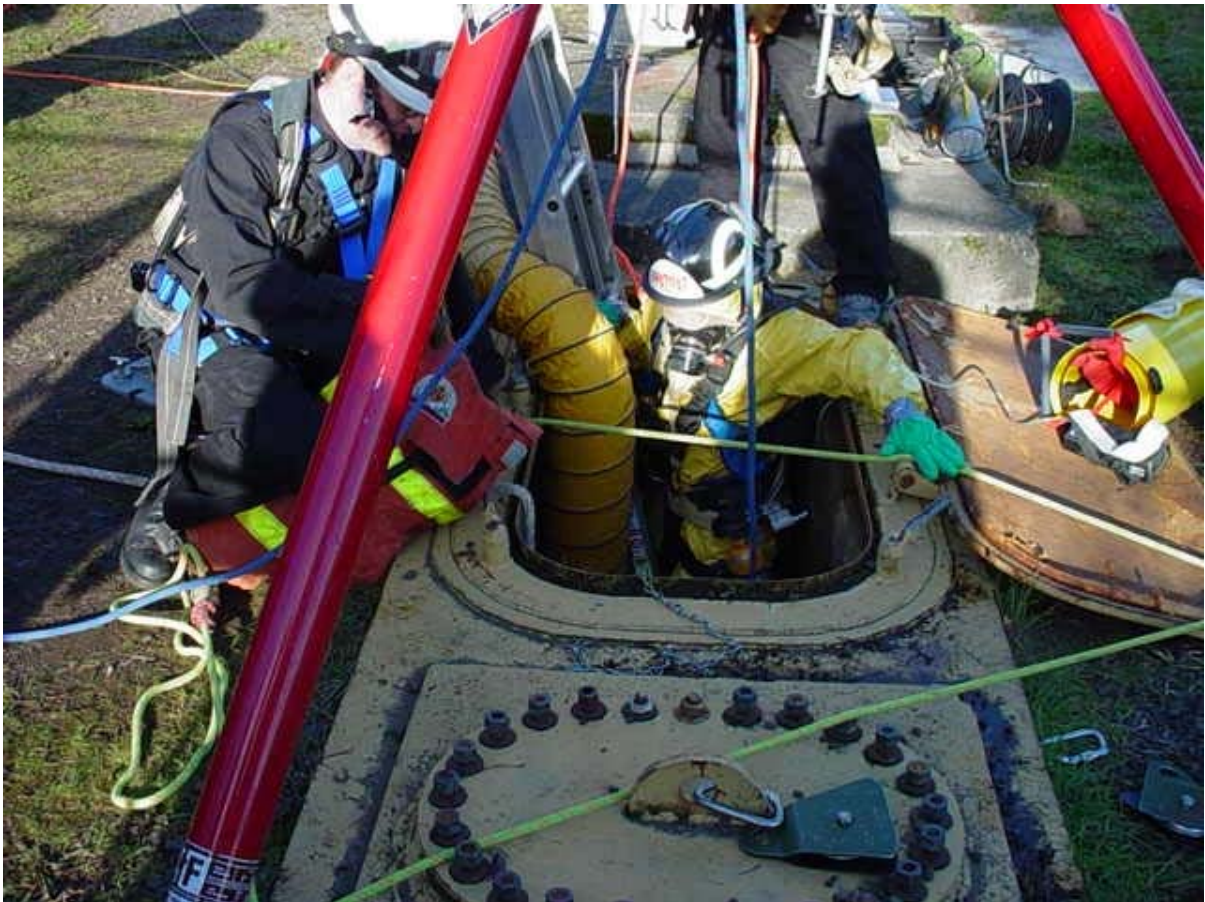
**2005**  
**ANNUAL REPORT OF**  
**HAZARDOUS MATERIAL**  
**INCIDENTS IN OREGON**

May 6, 2006

**Oregon State Police**  
**Office of State Fire Marshal**  
**Hazardous Substance Information System**  
**4760 Portland Road NE**  
**Salem OR 97305-1760**  
**503-373-1540, Ext. 353**  
**Fax 503-373-1825**  
**E-mail: [sfm.cr2k@state.or.us](mailto:sfm.cr2k@state.or.us)**  
**Web Address: [www.sfm.state.or.us](http://www.sfm.state.or.us)**



Hazmat Team 01—Douglas County  
Identifying a chemical during a drug lab drill.



Hazmat Team 9—Tualatin Valley Fire & Rescue

# TABLE OF CONTENTS

|   |    |
|---|----|
| Program Overview .....                                    | 1  |
| Key Factors .....   | 3  |
| List of Incidents for Calendar Year 2005 .....            | 4  |
| Number of Incidents Per Month .....                       | 10 |
| Number of Incidents Per Day of the Week .....             | 11 |
| Incidents Reported by County .....                        | 12 |
| Incident Responses By Agency .....                        | 13 |
| Agency Responding By Type .....                           | 16 |
| Hazmat Teams Responding .....                             | 17 |
| Scene Type.....   | 18 |
| Area Type.....  | 18 |
| Weather Upon Release.....                                 | 19 |
| Wind Speed.....   | 19 |
| Estimated Property Loss .....                             | 20 |
| Action Taken at Scene .....                               | 20 |
| Operation Performed.....                                  | 21 |
| Cause of Incident .....                                   | 22 |
| Hazmat Behavior of Release.....                           | 23 |
| Top Fifteen Chemicals.....                                | 23 |
| List of Materials Spilled.....                            | 24 |
| Incidents Reported by Hazard Class .....                  | 25 |
| Total Amount Released by Unit of Measure .....            | 26 |
| Material Identification Sources.....                      | 26 |
| Casualties .....  | 27 |
| Casualties Comparison.....                                | 27 |
| Casualties By type of Person .....                        | 28 |
| Chemical Involved Where Casualty Occurred .....           | 28 |
| Historical Charts .....                                   | 29 |
| Request for Hazardous Substance Information, side 1 ..... | 32 |
| Request for Hazardous Substance Information, side 2 ..... | 33 |





Hazmat Team 09—Tualatin

# PROGRAM OVERVIEW

## **Introduction**

The 1985 Oregon Legislature created the Community Right to Know Protection Act to provide information on hazardous substances within our state. Part of this program is the Hazardous Material Incident Reporting System (OAR 837-085-0380). Under this system, emergency service personnel submit a report to the Office of State Fire Marshal if they responded to an incident where: A chemical substance or chemical waste 1) threatened or injured human life, wildlife, or a domestic animal, or 2) damaged the environment, or 3) resulted in property loss of any kind. The written report must be submitted within 10 working days after the incident occurred.

The following incidents are exempted from the reporting requirements:

1. Motor fuels which are spilled in quantities of less than 42 gallons from a vehicle (unless it enters a waterway or is determined to endanger public safety, the immediate or the surrounding environment — including groundwater)
2. Sewage overflow
3. Structure fires or other emergencies where hazardous substances are involved as exposures where the quantities exposed are less than 42 gallons and the consumer quantities of hazardous substances did not directly relate to the cause of the emergency or to injuries or death. Note: If these consumer quantities *caused* the incident or *contributed* to an injury or death, a written Hazardous Material Incident Report would be required.

The following incidents are subject to the reporting requirements:

Except for 1, 2, and 3 above, all incidents (including the release or threatened release of a hazardous material) shall be reported. This includes, for example, a warranted response, based on the good intent of the caller, to a situation where no hazardous material is released or found.

This also applies to a situation whereby the emergency responders take possession of hazardous materials to abate a hazard to the public; i.e., drug lab chemicals. For both of these examples, proper documentation for state and local purposes is essential.

## **Data Collection is Important**

This report summarizes the 2005 Hazardous Material Incident Reports gathered from emergency responders. The reports submitted were not always fully completed; therefore, the statistics and numbers reported throughout this report may not always equate to the same total. OSFM encourages those who complete the Hazardous Material Emergency Incident Report forms to complete the form in its entirety.

Why is it necessary to submit a State Fire Marshal Hazardous Material Emergency Incident Report? First, the report is required by Oregon Revised Statutes and by Administrative Rule. Also, the submission of the report allows OSFM to enter the information into a database, from which reports (including this one) can be created and used by any agency for analysis, budgeting, and forecasting purposes. In order to maintain an accurate and verifiable profile of hazardous material incidents in Oregon, it is essential that emergency response agencies submit a written report after an incident.

### **Access to the Information**

Data obtained from the Hazardous Material Emergency Incident Reports is available via the internet at [www.sfm.state.or.us](http://www.sfm.state.or.us). (At this time, the incidents online are from 1986 through June 25, 2004. To obtain information on more recent incidents, it is temporarily necessary to contact our office.)

Specialized reports can also be created upon written request. To request a specialized report, visit our website at [www.sfm.state.or.us](http://www.sfm.state.or.us) and download the “Customized Report Request form.” This form is titled the request form sent to you. You may also call or e-mail our office and have the Request for Hazardous Substance Information form sent to you. The e-mail address to use in making this request is [sfm.cr2k@state.or.us](mailto:sfm.cr2k@state.or.us), or call 503-373-1540, extension 353. Once OSFM receives your completed Request for Hazardous Substance Information, you will generally receive a response within the next three business days. Larger requests may take additional time.



Hazmat Team 02—Eugene

## KEY FACTORS

Below is a list of key factors in highest occurrence in 2005. There were 138 reported hazardous material incidents in 2005. Included for comparison is data from 2004, which had 207 reported hazardous material incidents. Key factors are listed in order of highest number of occurrences first, with second highest listed beneath.

| CATEGORY                                   | 2005   | 2004  |
|--|--|---|
| <b>Area Type</b>                           | Residential: 42<br>Commercial: 50                                      | <b>Residential: 79</b><br><b>Commercial: 63</b>                     |
| <b>Behavior On Release</b>                 | No Reaction: 43<br>Contaminated Area: 40                               | <b>No Reaction: 76</b><br><b>Contaminated Area: 64</b>              |
| <b>Action At Scene</b>                     | Secure Area: 103<br>Evaluate: 90                                       | <b>Not captured during 2004.</b>                                    |
| <b>Cause of Incident</b>                   | Unknown: 48<br>Clandestine Drug Lab: 15                                | <b>Unknown: 71</b><br><b>Drug Lab: 21</b>                           |
| <b>Chemicals Involved</b>                  | Unknown Chemical: 30<br>Gasoline: 15                                   | <b>Unknown Chemicals: 19</b><br><b>Natural Gas: 10</b>              |
| <b>County</b>                              | Multnomah: 42<br>Washington: 17  | <b>Multnomah: 76</b><br><b>Lane: 23</b>                             |
| <b>Hazardous Materials by Hazard Class</b> | 3.3 Flammable Liq.<br>(73F<FP<141F): 23<br>9.0 Misc. Haz Materials: 15 | <b>9.0 Misc Haz Materials: 23</b><br><b>2.1 Flammable Gases: 16</b> |
| <b>Method Identified</b>                   | Responsible Party: 58<br>On-Scene Analysis: 46                         | <b>Responsible Party: 16</b><br><b>Other: 15</b>                    |
| <b>Occurrence: Month</b>                   | May: 17<br>July: 17  | <b>February: 31</b><br><b>January: 25</b>                           |
| <b>Occurrence: Day of Week</b>             | Friday: 32<br>Tuesday: 25  | <b>Friday: 41</b><br><b>Tuesday/Wednesday: 36</b>                   |
| <b>Scene Type</b>                          | Private Structure: 40<br>Public Road: 34                               | <b>Private Structure: 63</b><br><b>Public Road: 61</b>              |
| <b>Area Type</b>                           | Commercial: 50<br>Residential: 42                                      | <b>Residential: 79</b><br><b>Commercial: 63</b>                     |
| <b>Agencies Responding</b>                 | State Agency: 140<br>Local Fire Dept: 137                              | <b>Local Fire Dept: 92</b><br><b>State Agency: 82</b>               |
| <b>Weather</b>                             | Clear: 72<br>Rain: 22  | <b>Cloudy: 83</b><br><b>Clear: 81</b>                               |
| <b>Wind Direction</b>                      | NW: 15<br>E: 15  | <b>Not captured during 2004.</b>                                    |

**LIST OF INCIDENTS FOR CALENDAR YEAR 2005  
SORTED BY COUNTY, CITY, AND ADDRESS**

***Benton***

| <b><i>City</i></b> | <b><i>Date</i></b> | <b><i>Location</i></b>     | <b><i>Incident #</i></b> | <b><i>Chemical</i></b> |
|--------------------|--------------------|----------------------------|--------------------------|------------------------|
| Corvallis          | 02/11/05           | HWY 99 & NE CIRCLE BLVD    | HM05-050008              | UNKNOWN CHEMICAL       |
| Corvallis          | 03/06/05           | 5770 NW OAK ST             | 0076-050068              | DRAIN CLEANER          |
| Corvallis          | 03/21/05           | 6298 SW CHESTNUT DR        | 0076-050069              | UNKNOWN CHEMICAL       |
| Albany             | 06/23/05           | 2880 NW GIBSON HILL RD     | HM05-050043              | AMMONIA ANHYDROUS      |
| Corvallis          | 06/24/05           | HWY 20 & 34 & 53RD ST      | 0076-050123              | MOTOR OIL              |
| Corvallis          | 07/26/05           | 1ST ST AT MONROE AVE       | 0076-050124              | GASOLINE               |
| Corvallis          | 09/30/05           | 3480 NE LANCASTER ST APT C | 0076-050129              | UNKNOWN CHEMICAL       |

***Clackamas***

| <b><i>City</i></b> | <b><i>Date</i></b> | <b><i>Location</i></b>            | <b><i>Incident #</i></b> | <b><i>Chemical</i></b> |
|--------------------|--------------------|-----------------------------------|--------------------------|------------------------|
| Clackamas          | 01/15/05           | I-205 N.B. @ CLACKAMAS RVR BRIDGE | 0057-050065              | DIESEL                 |
|                    | 01/26/05           | 18761 HWY 212                     | HM06-050004              | UNKNOWN CHEMICAL       |
| West Linn          | 03/27/05           | 1030 RANCHO LOBO LN               | 0485-050108              | MOTOR OIL 10W/40       |
| Wilsonville        | 05/12/05           | 25900 SW HEATHER PL               | 0485-050110              | GASOLINE               |
| Oregon City        | 05/21/05           | 116 BLUFF ST                      | HM03-050030              | NO CHEMICAL INVOLVED   |
| Oregon City        | 06/19/05           | 20071 HWY 213                     | 0057-050111              | CLEANING SOLVENT       |
| Beavercreek        | 06/29/05           | HWY 213 & S BEAVERCREEK RD        | 0057-050120              | DIESEL                 |
| Lake Oswego        | 07/30/05           | 5335 SW MEADOW RD STE 151         | HM09-050057              | FLUORINE               |
| Milwaukie          | 08/16/05           | 2889 SE SILVER SPRINGS RD         | HM03-050072              | ALUMINUM POWDER        |
| Oregon City        | 09/30/05           | HWY 99 E & PACQUET ST             | 0057-050130              | DIESEL                 |
| Lake Oswego        | 10/23/05           | 2650 DELLWOOD DR                  | HM09-050095              | MURIATIC ACID          |
| Boring             | 11/05/05           | 28190 SE HWY 212                  | 0033-050132              | PROPANE                |

***Clatsop***

| <b><i>City</i></b> | <b><i>Date</i></b> | <b><i>Location</i></b>   | <b><i>Incident #</i></b> | <b><i>Chemical</i></b> |
|--------------------|--------------------|--------------------------|--------------------------|------------------------|
| Seaside            | 08/23/05           | LEWIS & CLARK RD         | 0013-050127              | MURIATIC ACID          |
| Astoria            | 12/05/05           | JEFFERSON GARDENS SLOUGH | 0206-050145              | FUEL OIL               |

***Coos***

| <b><i>City</i></b> | <b><i>Date</i></b> | <b><i>Location</i></b> | <b><i>Incident #</i></b> | <b><i>Chemical</i></b> |
|--------------------|--------------------|------------------------|--------------------------|------------------------|
| Myrtle Point       | 02/04/05           | HWY 42 & LEE VALLEY RD | HM15-050006              | CALPRIL                |
| North Bend         | 02/15/05           | 766 CALIFORNIA         | HM15-050007              | UNKNOWN CHEMICAL       |
| North Bend         | 09/24/05           | 2348 COLORADO AVE      | HM15-050081              | UNKNOWN CHEMICAL       |



**LIST OF INCIDENTS FOR CALENDAR YEAR 2005  
SORTED BY COUNTY, CITY, AND ADDRESS**

*Deschutes*

| <u>City</u> | <u>Date</u> | <u>Location</u> | <u>Incident #</u> | <u>Chemical</u> |
|-------------|-------------|-----------------|-------------------|-----------------|
| Bend        | 03/16/05    | ROBALS RD       | HM07-050019       | GAMMA-32P       |

*Gilliam*

| <u>City</u> | <u>Date</u> | <u>Location</u>  | <u>Incident #</u> | <u>Chemical</u> |
|-------------|-------------|------------------|-------------------|-----------------|
| Arlington   | 05/27/05    | I-84 MP 148 I-84 | HM10-050036       | DIESEL FUEL     |

*Jackson*

| <u>City</u> | <u>Date</u> | <u>Location</u>                          | <u>Incident #</u> | <u>Chemical</u>            |
|-------------|-------------|--|-------------------|----------------------------|
| Medford     | 01/10/05    | HILLCREST AT E. MCANDREWS                | 0224-050103       | NATURAL GAS                |
| Medford     | 02/15/05    | 3849 ANNETTES WAY                        | 0224-050104       | NATURAL GAS                |
| Medford     | 02/16/05    | CRATER LAKE HWY & N.<br>RIVERSIDE AVE 62 | 0224-050105       | HYDRAULIC & MACHINE<br>OIL |
| Medford     | 03/29/05    | 473 STONEHAM<br>ACTION PLUS              | 0224-050070       | FERTI-LOME TRIPLE          |
| Medford     | 05/19/05    | 2 E MCANDREWS                            | HM08-050027       | METHYL ETHYL KETONE        |
| White City  | 11/29/05    | 8380 AGATE RD                            | 0173-050133       | PROPANE                    |
| Medford     | 12/21/05    | BIDDLE RD & AUTOMOTION RD                | 0224-050136       | NATURAL GAS                |
| Medford     | 12/23/05    | 3431 S PACIFIC HWY SPACE 63              | 0224-050137       | DIESEL                     |

*Josephine*

| <u>City</u> | <u>Date</u> | <u>Location</u>   | <u>Incident #</u> | <u>Chemical</u>      |
|-------------|-------------|-------------------|-------------------|----------------------|
| Merlin      | 01/24/05    | 5080 DONALDSON RD | 0224-050102       | NO CHEMICAL INVOLVED |

*Klamath*

| <u>City</u>   | <u>Date</u> | <u>Location</u>      | <u>Incident #</u> | <u>Chemical</u>    |
|---------------|-------------|----------------------|-------------------|--------------------|
| Klamath Falls | 07/04/05    | 5805 S 6TH ST        | HM04-050045       | DRUG LAB CHEMICALS |
| Klamath Falls | 08/16/05    | 211 N 8TH ST         | 0359-050125       | DIESEL             |
| Gilchrist     | 10/18/05    | HWY 97 & MP 183.5 97 | 0082-050131       | CAPTOR             |
| Klamath Falls | 12/30/05    | HWY 39               | 0359-050134       | DIESEL             |

*Lane*

| <u>City</u> | <u>Date</u> | <u>Location</u>       | <u>Incident #</u> | <u>Chemical</u>    |
|-------------|-------------|-----------------------|-------------------|--------------------|
| Eugene      | 01/25/05    | 3050 N DELTA          | 0110-050064       | GASOLINE           |
| Eugene      | 03/02/05    | 1204 N PARK           | 0110-050106       | SODIUM BICARBONATE |
| Eugene      | 03/02/05    | 1204 N PARK           | HM02-050014       | SODIUM BICARBONATE |
| Eugene      | 06/03/05    | 700 WILLAMETTE        | 0110-050122       | UNKNOWN CHEMICAL   |
| Eugene      | 07/10/05    | 85182 COYOTE CREEK Rd | HM02-050048       | UNKNOWN CHEMICAL   |

**LIST OF INCIDENTS FOR CALENDAR YEAR 2005  
SORTED BY COUNTY, CITY, AND ADDRESS**

|        |          |  |             |                  |
|--------|----------|--|-------------|------------------|
| Eugene | 07/10/05 | 85782 COYOTE CR RD                         | 0491-050126 | UNKNOWN CHEMICAL |
| Eugene | 08/16/05 | 690 W 1ST AVE                              | HM02-050079 | UNKNOWN CHEMICAL |
| Eugene | 09/05/05 | 2060 RIVER RD                              | HM02-050077 | UNKNOWN CHEMICAL |
| Eugene | 09/20/05 | 1ST & SENECA                               | 0110-050128 | GASOLINE         |
| Eugene | 10/08/05 | 8TH AVE & HIGH ST                          | HM02-050084 | ANILINE          |
| Eugene | 10/10/05 | INTERSECTION OF PETZOLD RD<br>& BOEHRINGER | 0491-050140 | UNKNOWN CHEMICAL |
| Eugene | 10/20/05 | 810 E 13TH AVE                             | HM02-050089 | NATURAL GAS      |
| Eugene | 12/23/05 | 100 VALLEY RIVER CENTER                    | 0110-050138 | GASOLINE         |

***Linn***

| <b><i>City</i></b> | <b><i>Date</i></b> | <b><i>Location</i></b>  | <b><i>Incident #</i></b> | <b><i>Chemical</i></b> |
|--------------------|--------------------|-------------------------|--------------------------|------------------------|
| Harrisburg         | 01/28/05           | 805 S 2ND ST S          | HM05-050005              | UNKNOWN CHEMICAL       |
| Harrisburg         | 07/22/05           | OAK GROVE REST AREA I-5 | HM02-050054              | SULFURIC ACID          |
| Shedd              | 09/05/05           | 29899 FAYETTVILLE DR    | 0147-050135              | GASOLINE               |
| Albany             | 11/03/05           | 410 NE WAVERLY DR       | HM05-050096              | CHLORINE               |

***Malheur***

| <b><i>City</i></b> | <b><i>Date</i></b> | <b><i>Location</i></b> | <b><i>Incident #</i></b> | <b><i>Chemical</i></b> |
|--------------------|--------------------|------------------------|--------------------------|------------------------|
| Jordan Valley      | 08/23/05           | HWY 95 MP24 95         | HM14-050074              | ASPHALT EMULSION       |

***Marion***

| <b><i>City</i></b> | <b><i>Date</i></b> | <b><i>Location</i></b>  | <b><i>Incident #</i></b> | <b><i>Chemical</i></b> |
|--------------------|--------------------|-------------------------|--------------------------|------------------------|
| Salem              | 04/20/05           | 3624 COMMERCIAL ST S    | HM13-050022              | UNKNOWN CHEMICAL       |
| Salem              | 05/20/05           | 2605 STATE ST NE        | HM13-050031              | UNKNOWN CHEMICAL       |
| Salem              | 06/20/05           | I-5 SB AT MARKET ST I-5 | HM13-050042              | RAYVACE 266B           |
| Salem              | 08/14/05           | 1860 STATE ST           | HM13-050071              | AMMONIA ANHYDROUS      |
| Salem              | 08/31/05           | FRONT AND CHEMEKTA NE   | HM13-050080              | HYDRAULIC OIL          |
| Aurora             | 09/30/05           | I-5 EXIT 282B           | HM09-050082              | DIESEL FUEL            |
| Salem              | 10/14/05           | 4602 SUNNYVIEW RD NE    | HM13-050087              | DRUG LAB CHEMICALS     |
| Salem              | 10/14/05           | 955 CENTER ST           | HM13-050086              | NO CHEMICAL INVOLVED   |
| Salem              | 10/17/05           | 955 CENTER ST NE        | HM13-050088              | NO CHEMICAL INVOLVED   |

***Morrow***

| <b><i>City</i></b> | <b><i>Date</i></b> | <b><i>Location</i></b> | <b><i>Incident #</i></b> | <b><i>Chemical</i></b> |
|--------------------|--------------------|------------------------|--------------------------|------------------------|
| Hepner             | 07/21/05           | HWY 207                | HM10-050053              | DIESEL                 |

***Multnomah***

| <b><i>City</i></b> | <b><i>Date</i></b> | <b><i>Location</i></b> | <b><i>Incident #</i></b> | <b><i>Chemical</i></b> |
|--------------------|--------------------|------------------------|--------------------------|------------------------|
| Portland           | 01/14/05           | 5620 SE 83RD           | HM06-050002              | UNKNOWN CHEMICAL       |

**LIST OF INCIDENTS FOR CALENDAR YEAR 2005  
SORTED BY COUNTY, CITY, AND ADDRESS**

|               |          |                       |             |   |
|---------------|----------|-----------------------|-------------|---|
| Portland      | 01/22/05 | 3715 SE 40TH AVE      | HM06-050003 | UNKNOWN CHEMICAL                                |
| Portland      | 02/17/05 | 11207 SE POWELL       | HM06-050037 | SULFURIC ACID                                   |
| Portland      | 02/20/05 | 5530 NE 122ND AVE     | HM06-050009 | UNKNOWN CHEMICAL                                |
| Portland      | 02/23/05 | 4325 NE ALBERTA       | HM06-050010 | UNKNOWN CHEMICAL                                |
| Portland      | 02/24/05 | 9211 N HARBORGATE     | HM06-050011 | TRIFLUORO-<br>ETHYLAMINE/<br><br>PHENYLPENTANOL |
| Portland      | 02/25/05 | 8110 SE MILL ST 2     | HM06-050012 | UNKNOWN CHEMICAL                                |
| Portland      | 03/04/05 | 12119 SE HENDERSON DR | HM06-050016 | UNKNOWN CHEMICAL                                |
| Gresham       | 03/16/05 | 2155 NW DIVISION      | HM03-050017 | PETROLEUM OIL                                   |
| Portland      | 03/21/05 | 2730 NW 31 ST         | HM06-050018 | AMMONIA ANHYDROUS                               |
| Portland      | 04/05/05 | 245 SW LINCOLN ST     | HM06-050020 | DRUG LAB CHEMICALS                              |
| Troutdale     | 04/05/05 | 400 NW FRONTAGE Rd    | 0144-050107 | DIESEL FUEL                                     |
| Portland      | 04/07/05 | 5413 N MINNESOTA      | HM06-050021 | DRUG LAB CHEMICALS                              |
| Portland      | 05/05/05 | 8320 SE BROOKLYN ST   | HM06-050038 | DRUG LAB CHEMICALS                              |
| Portland      | 05/07/05 | 9912 SE DIVISION      | HM06-050023 | DRUG LAB CHEMICALS                              |
| Portland      | 05/09/05 | 4429 N SUTTLE         | HM06-050024 | HYDROCHLORIC ACID                               |
| Portland      | 05/17/05 | 9125 N TIME OLD RD    | HM06-050039 | DIESEL FUEL                                     |
| Portland      | 05/26/05 | 11715 NE GLISON ST    | HM06-050032 | PICRIC ACID                                     |
| Cascade Locks | 05/27/05 | 62100 NE FRONTAGE     | HM03-050035 | AMMONIA ANHYDROUS                               |
| Portland      | 05/27/05 | SE 18TH & HAIG        | HM06-050034 | DIBUTYLAMINE                                    |
| Portland      | 06/14/05 | 8338 NE ALDERWOOD     | HM06-050041 | NO CHEMICAL INVOLVED                            |
| Portland      | 06/23/05 | 3150 SE 22ND          | HM06-050044 | DRUG LAB CHEMICALS                              |
| Troutdale     | 06/28/05 | NW 257 AVE & I-84 FY  | HM06-050049 | UNKNOWN CHEMICAL                                |
| Portland      | 07/06/05 | 4047 N SUTTLE RD      | HM06-050046 | VINYL TOLUENE                                   |
| Portland      | 07/07/05 | 1025 SW MILL ST       | HM06-050050 | SULFURIC ACID                                   |
| Portland      | 07/20/05 | 10180 SE WASHINGTON   | HM06-050051 | PROPANE   |
| Portland      | 07/25/05 | 10123 SE MARKET ST    | HM06-050058 | UNKNOWN CHEMICAL                                |
| Portland      | 07/28/05 | 6600 N ST LOUIS       | HM06-050056 | BASAZOL VIOLET                                  |
| Portland      | 08/06/05 | 5220 N BASIN          | HM06-050059 | DENATURED ALCOHOL                               |
| Portland      | 08/09/05 | 122 ND FOSTER         | 0291-050141 | GASOLINE  |
| Portland      | 08/15/05 | I-205 SB S OF FOSTER  | 0291-050142 | DIESEL  |
| Portland      | 08/15/05 | 6631 SE 110TH DR      | 0291-050143 | TRANSMISSION FLUID                              |
| Portland      | 08/18/05 | 137 SW KINGSTON       | HM06-050073 | NO CHEMICAL INVOLVED                            |
| Portland      | 08/30/05 | 11818 NE HOLLADAY ST  | HM06-050076 | HYDROCARBON<br>MIXTURE                          |

**LIST OF INCIDENTS FOR CALENDAR YEAR 2005  
SORTED BY COUNTY, CITY, AND ADDRESS**

|           |          |                                     |             |                             |
|-----------|----------|-------------------------------------|-------------|-----------------------------|
| Portland  | 08/30/05 | 1713 NE 44TH AVE                    | HM06-050075 | UNKNOWN CHEMICAL            |
| Portland  | 08/31/05 | 5936 NE BASIN                       | HM06-050078 | HYDRAULIC OIL-<br>VEGETABLE |
| Portland  | 10/10/05 | I205 & COLUMBIA                     | HM06-050083 | DIESEL                      |
| Troutdale | 10/11/05 | 400 NW FRONTAGE Rd                  | HM03-050085 | DIESEL FUEL                 |
| Troutdale | 10/20/05 | 25101 SE STARK St                   | HM03-050090 | MOTOR OIL                   |
| Portland  | 11/18/05 | 501 SE HAWTHORNE                    | HM06-050097 | NO CHEMICAL INVOLVED        |
| Portland  | 12/05/05 | SW 35TH & TAYLORS FERRY<br>SOLUTION | 0291-050144 | MAGNESIUM CHLORIDE          |
| Portland  | 12/24/05 | 8526 N PORTSMOUTH                   | HM06-050112 | UNKNOWN CHEMICAL            |

***Tillamook***

| <u>City</u> | <u>Date</u> | <u>Location</u> | <u>Incident #</u> | <u>Chemical</u> |
|-------------|-------------|-----------------|-------------------|-----------------|
| Bay City    | 07/08/05    | 13555 EKROTH RD | 0124-050121       | HYDRAULIC OIL   |

***Umatilla***

| <u>City</u> | <u>Date</u> | <u>Location</u>     | <u>Incident #</u> | <u>Chemical</u>   |
|-------------|-------------|---------------------|-------------------|-------------------|
| Hermiston   | 01/18/05    | UMATILLA ARMY DEPOT | HM10-050001       | UNKNOWN CHEMICAL  |
| Hermiston   | 02/27/05    | HINKLE RAILROAD     | HM10-050013       | HYDROGEN PEROXIDE |
| Pendleton   | 08/11/05    | 4650 NW MCKENNAN RD | HM10-050061       | AMMONIA ANHYDROUS |
| Pendleton   | 12/30/05    | 5500 RIETH RD       | 0280-050139       | ASTROMID-18       |
| Pendleton   | 12/30/05    | 5500 NW REITH RD    | HM10-050113       | UNKNOWN CHEMICAL  |

***Union***

| <u>City</u> | <u>Date</u> | <u>Location</u>   | <u>Incident #</u> | <u>Chemical</u> |
|-------------|-------------|-------------------|-------------------|-----------------|
| Meacham     | 03/06/05    | NEAR KAMELA       | HM12-050015       | DIESEL          |
| La Grande   | 06/06/05    | 1 UNIVERSITY BLVD | HM12-050040       | DIESEL FUEL     |

***Washington***

| <u>City</u> | <u>Date</u> | <u>Location</u>              | <u>Incident #</u> | <u>Chemical</u>          |
|-------------|-------------|------------------------------|-------------------|--------------------------|
| Tualatin    | 01/16/05    | 7090 SW NYBERG ST            | 0485-050063       | GASOLINE                 |
| Beaverton   | 01/28/05    | 170TH/TV HIGHWAY             | 0485-050067       | DIESEL                   |
| Beaverton   | 03/03/05    | 5770 SW 163RD AVE            | HM09-050029       | GASOLINE                 |
| Tualatin    | 04/28/05    | 19855 SW TETON AVE           | 0485-050109       | DIESEL FUEL              |
| Tigard      | 05/16/05    | 7255 SW DARTMOUTH ST         | HM09-050025       | SULFURIC ACID            |
| Hillsboro   | 05/19/05    | 111 NE LINCOLN ST            | HM09-050028       | UNKNOWN CHEMICAL         |
| Tualatin    | 05/27/05    | 1125 SW TUALATIN SHERWOOD RD | HM09-050033       | 2-ETHYLHEXYL<br>ACRYLATE |
| Cornelius   | 07/08/05    | 2558 S DOGWOOD ST            | HM09-050047       | ORTHO ORTHENE            |
| Tualatin    | 07/11/05    | TUALATIN RD AT NYBERG RD     | HM09-050060       | DIESEL FUEL              |



**LIST OF INCIDENTS FOR CALENDAR YEAR 2005  
SORTED BY COUNTY, CITY, AND ADDRESS**

|           |          |                             |             |                    |
|-----------|----------|-----------------------------|-------------|--------------------|
| Hillsboro | 07/22/05 | 1330 SW WALNUT              | HM09-050052 | VITAMIN C POWDER   |
| Gaston    | 07/28/05 | 49800 SW SCOGGINS VALLEY RD | HM09-050055 | SODIUM HYDROXIDE   |
| Tualatin  | 09/06/05 | 7169 SW SAGERT ST           | HM09-050094 | GASOLINE           |
| Beaverton | 10/07/05 | SW ALLEN BLVD & 124TH       | HM09-050091 | MURIATIC ACID      |
| Beaverton | 10/21/05 | 4900 SW 170TH               | HM09-050093 | UNKNOWN CHEMICAL   |
| Tigard    | 10/24/05 | 9000 SW DURHAM RD           | HM09-050092 | UNKNOWN CHEMICAL   |
| Tigard    | 11/08/05 | 9870 SW FREWING ST          | HM09-050099 | DRUG LAB CHEMICALS |
| Hillsboro | 11/21/05 | 970 SE OAK                  | HM09-050098 | AMMONIA ANHYDROUS  |

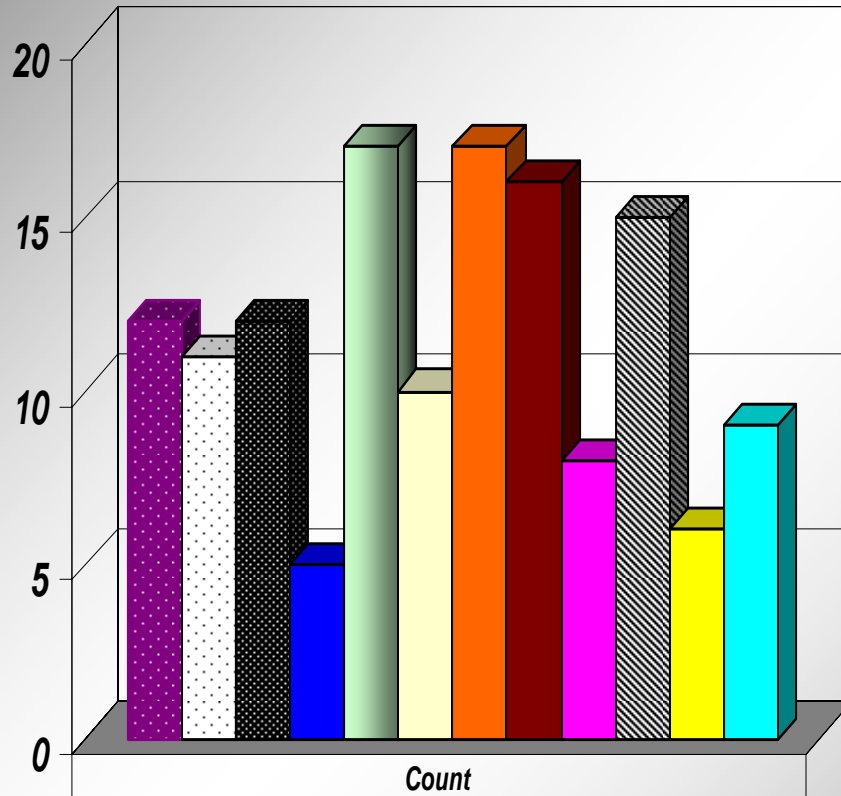
***Yamhill***

| <b><i>City</i></b> | <b><i>Date</i></b> | <b><i>Location</i></b> | <b><i>Incident #</i></b> | <b><i>Chemical</i></b> |
|--------------------|--------------------|------------------------|--------------------------|------------------------|
| Dundee             | 01/07/05           | 109 HWY 99W            | 0099-050066              | GASOLINE               |
| Dundee             | 05/11/05           | 10596 NE REDHILLS RD   | 0099-050062              | GASOLINE               |
| Sheridan           | 05/19/05           | 27072 BALLSTON RD      | HM13-050026              | BABY POWDER            |
| McMinnville        | 10/17/05           | B                      | 0437-050146              | NO CHEMICAL INVOLVED   |



Hazmat Team 03—Gresham / Multnomah

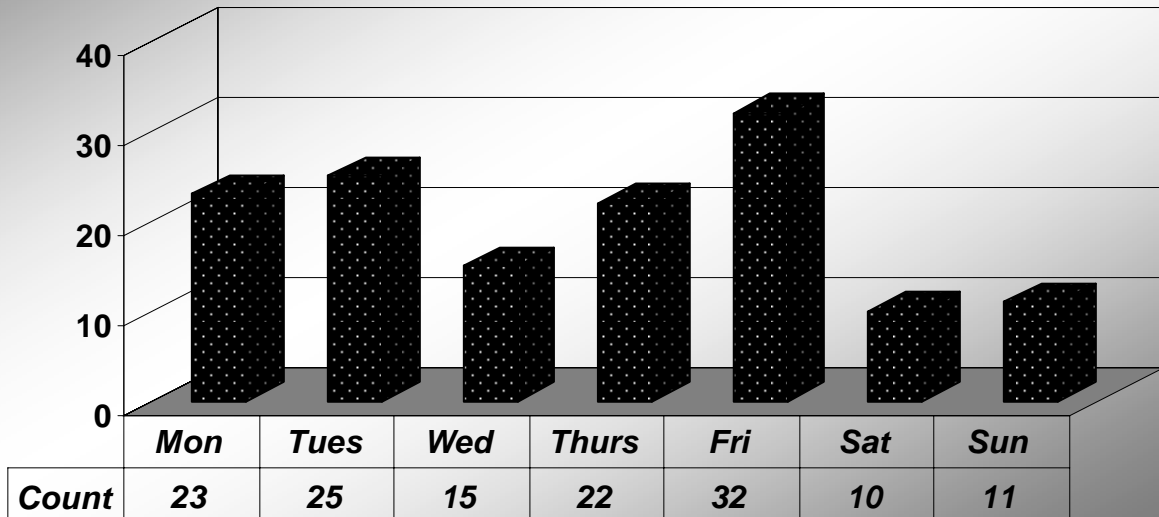
## NUMBER OF INCIDENTS PER MONTH



|                    |    |
|--------------------|----|
| ■ <i>January</i>   | 12 |
| □ <i>February</i>  | 11 |
| ▣ <i>March</i>     | 12 |
| ■ <i>April</i>     | 5  |
| ■ <i>May</i>       | 17 |
| □ <i>June</i>      | 10 |
| ■ <i>July</i>      | 17 |
| ■ <i>August</i>    | 16 |
| ■ <i>September</i> | 8  |
| ▣ <i>October</i>   | 15 |
| ■ <i>November</i>  | 6  |

A total of 138 incidents were reported in 2005. May and July had the highest number of incidents, with each equating to approximately 13% of the incidents. April had the lowest number of reported incidents, equating to approximately 4%.

# NUMBER OF INCIDENTS PER DAY OF THE WEEK



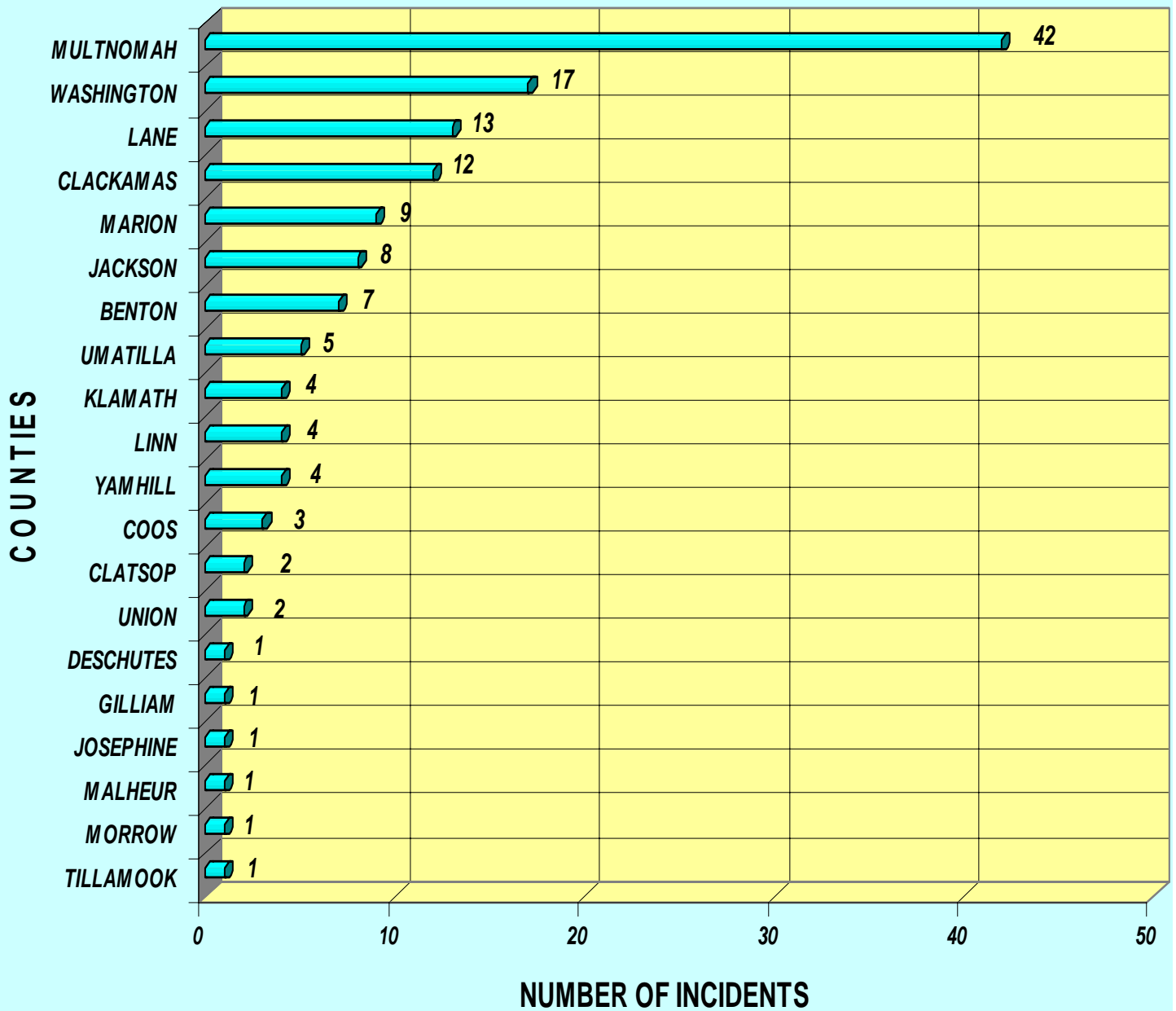
In 2005, the day of the week with the highest number of reported incidents was Friday, equating to approximately 24% of the incidents. Saturday had the lowest percentage of occurrences (approximately 8%).

In comparison, during the year 2004 the highest number of reported incidents also occurred on Friday (approximately 20%). During 2004, Sunday had the least number of occurrences (approximately 10%).



Hazmat Team 07—Redmond  
Dedication 10/21/01

## INCIDENTS REPORTED BY COUNTY



The chart above shows the number of reported incidents that occurred in the various counties. Multnomah, Washington, and Lane counties reported the highest number of incidents.



## INCIDENT RESPONSES BY AGENCY

The Incident Responses by Agency table shows the number of incidents responded to by the various emergency service departments/agencies.

| Count | Agency Name                            | Agency Description |
|-------|--|--------------------|
| 34    | HAZMAT TEAM PORTLAND - 06              | STATE AGENCY       |
| 32    | PORTLAND BUREAU OF F&R & EMS           | LOCAL FIRE DEPT    |
| 20    | PORTLAND POLICE BUREAU                 | LOCAL POLICE       |
| 17    | HAZMAT TEAM TUALATIN - 09              | STATE AGENCY       |
| 17    | TUALATIN VALLEY F&R                    | LOCAL FIRE DEPT    |
| 16    | DEPT OF TRANSPORTATION (ODOT)          | STATE AGENCY       |
| 16    | OREGON STATE POLICE                    | STATE AGENCY       |
| 10    | EUGENE F&EMS                           | LOCAL FIRE DEPT    |
| 10    | HAZMAT TEAM EUGENE - 02                | STATE AGENCY       |
| 9     | DEQ                                    | STATE AGENCY       |
| 8     | SALEM FIRE DEPT                        | LOCAL FIRE DEPT    |
| 7     | EUGENE POLICE DEPT                     | LOCAL POLICE       |
| 7     | HAZMAT TEAM E ORE HERMISTON - 10       | STATE AGENCY       |
| 7     | HAZMAT TEAM GRESHAM\MULTNOMAH - 03     | STATE AGENCY       |
| 7     | HAZMAT TEAM SALEM - 13                 | STATE AGENCY       |
| 7     | MEDFORD F&R                            | LOCAL FIRE DEPT    |
| 7     | NRC ENVIRONMENTAL                      | PRIVATE OTHER      |
| 6     | CLACKAMAS CO FIRE DIST #1              | LOCAL FIRE DEPT    |
| 6     | CORVALLIS FIRE DEPT                    | LOCAL FIRE DEPT    |
| 5     | FEDERAL BUREAU OF INVESTIGATIONS (FBI) | FEDERAL AGENCY     |
| 4     | OTHER                                  | LOCAL OTHER        |
| 4     | HILLSBORO FIRE DEPT                    | LOCAL FIRE DEPT    |
| 4     | HAZMAT TEAM LINN\BENTON - 05           | STATE AGENCY       |
| 4     | GRESHAM F&EMS                          | LOCAL FIRE DEPT    |
| 3     | CLACKAMAS CO SHERIFFS OFFICE           | LOCAL SHERIFF      |
| 3     | HAZMAT TEAM COOS BAY - 15              | STATE AGENCY       |
| 3     | MULTNOMAH CO SHERIFFS OFFICE           | LOCAL SHERIFF      |
| 3     | PENDLETON FIRE & AMBULANCE             | LOCAL FIRE DEPT    |

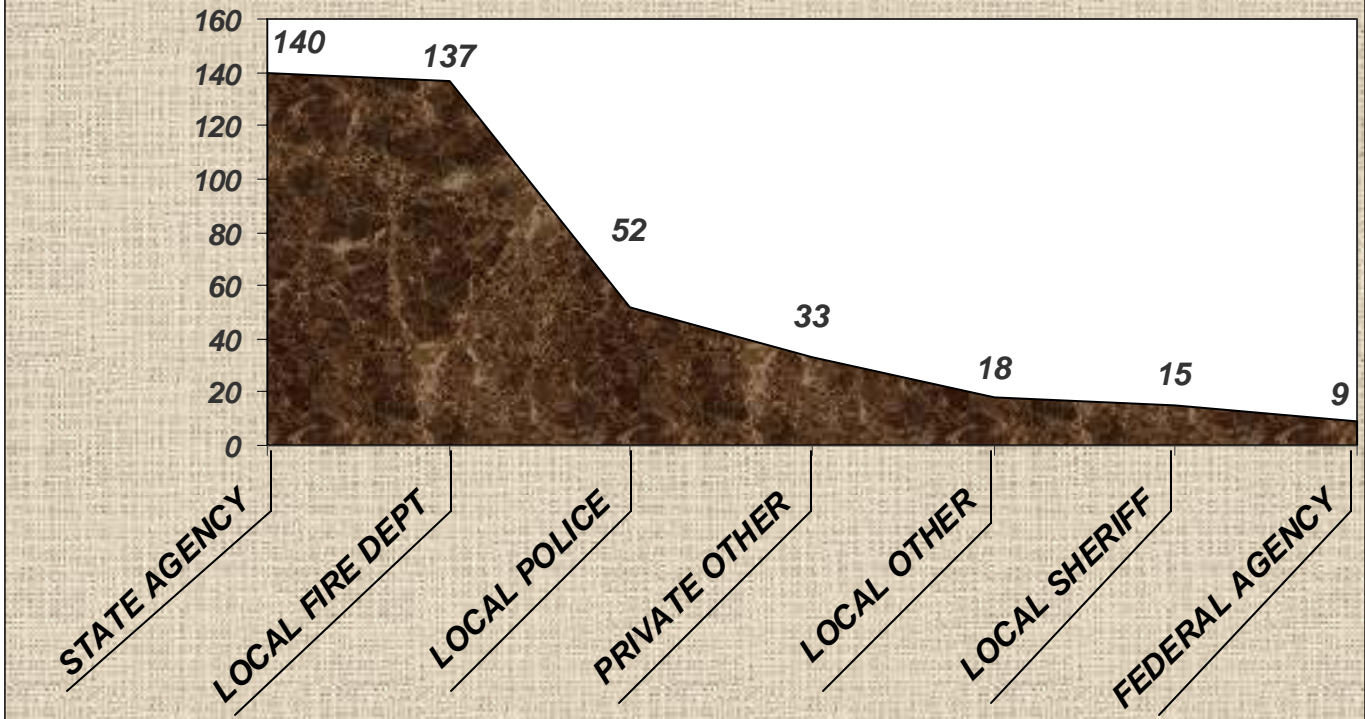
## INCIDENT RESPONSES BY AGENCY CONTINUED

|   |                                       |                 |
|---|---------------------------------------|-----------------|
| 3 | SALEM POLICE DEPT                     | LOCAL POLICE    |
| 3 | TUALATIN POLICE DEPT                  | LOCAL POLICE    |
| 3 | WASHINGTON CO SHERIFFS OFFICE         | LOCAL SHERIFF   |
| 2 | ALBANY FIRE DEPT                      | LOCAL FIRE DEPT |
| 2 | ASTORIA FIRE DEPT                     | LOCAL FIRE DEPT |
| 2 | DUNDEE FIRE DEPT                      | LOCAL FIRE DEPT |
| 2 | ENVIRONMENTAL PROTECTION AGENCY (EPA) | FEDERAL AGENCY  |
| 2 | HARRISBURG F&R                        | LOCAL FIRE DEPT |
| 2 | HILLSBORO POLICE DEPT                 | LOCAL POLICE    |
| 2 | KLAMATH CO FIRE DIST #1               | LOCAL FIRE DEPT |
| 2 | LA GRANDE FIRE DEPT                   | LOCAL FIRE DEPT |
| 2 | LAKE OSWEGO F&R & LIFE SAFETY         | LOCAL FIRE DEPT |
| 2 | LANE CO FIRE DIST #1                  | LOCAL FIRE DEPT |
| 2 | LANE CO SHERIFFS OFFICE               | LOCAL SHERIFF   |
| 2 | NORTH BEND FIRE DEPT                  | LOCAL FIRE DEPT |
| 2 | NORTH BEND POLICE DEPT                | LOCAL POLICE    |
| 2 | OREGON CITY POLICE DEPT               | LOCAL POLICE    |
| 2 | PORTLAND ANG BASE FIRE DEPT           | LOCAL FIRE DEPT |
| 2 | TIGARD POLICE DEPT                    | LOCAL POLICE    |
| 2 | UNION PACIFIC RAILROAD                | LOCAL POLICE    |
| 1 | ALBANY POLICE DEPT                    | LOCAL POLICE    |
| 1 | AMR NORTHWEST                         | LOCAL OTHER     |
| 1 | ARLINGTON FIRE DEPT                   | LOCAL FIRE DEPT |
| 1 | AURORA RFPD                           | LOCAL FIRE DEPT |
| 1 | BAY CITIES AMBULANCE                  | LOCAL OTHER     |
| 1 | BEAVERTON POLICE DEPT                 | LOCAL POLICE    |
| 1 | BEND FIRE DEPT                        | LOCAL FIRE DEPT |
| 1 | BORING FIRE DIST                      | LOCAL FIRE DEPT |
| 1 | CASCADE LOCKS F&EMS                   | LOCAL FIRE DEPT |

## INCIDENT RESPONSES BY AGENCY CONTINUED

|   |                                  |                 |
|---|----------------------------------|-----------------|
| 1 | CORNELIUS FIRE DEPT              | LOCAL FIRE DEPT |
| 1 | CRESCENT RFPD                    | LOCAL FIRE DEPT |
| 1 | DESCHUTES CO SHERIFFS OFFICE     | LOCAL SHERIFF   |
| 1 | FOREST GROVE F&R                 | LOCAL FIRE DEPT |
| 1 | GARIBALDI FD                     | LOCAL FIRE DEPT |
| 1 | GASTON RFPD                      | LOCAL FIRE DEPT |
| 1 | GEARHART VOL FIRE DEPT           | LOCAL FIRE DEPT |
| 1 | GRESHAM POLICE DEPT              | LOCAL POLICE    |
| 1 | HALSEY-SHEDD RFPD                | LOCAL FIRE DEPT |
| 1 | HAZMAT TEAM E ORE LAGRANDE - 12  | STATE AGENCY    |
| 1 | HAZMAT TEAM E ORE ONTARIO - 14   | STATE AGENCY    |
| 1 | HAZMAT TEAM KLAMATH FALLS - 04   | STATE AGENCY    |
| 1 | HAZMAT TEAM REDMOND - 07         | STATE AGENCY    |
| 1 | HAZMAT TEAM SOUTHERN OREGON - 08 | STATE AGENCY    |
| 1 | HEALTH SERVICES                  | STATE AGENCY    |
| 1 | HEPPNER FIRE DEPT                | LOCAL FIRE DEPT |
| 1 | HERMISTON F&EMS                  | LOCAL FIRE DEPT |
| 1 | JACKSON CO FD #3                 | LOCAL FIRE DEPT |
| 1 | KLAMATH FALLS POLICE DEPT        | LOCAL POLICE    |
| 1 | LA GRANDE RFPD                   | LOCAL FIRE DEPT |
| 1 | LAKE OSWEGO POLICE DEPT          | LOCAL POLICE    |
| 1 | LEWIS & CLARK RFPD               | LOCAL FIRE DEPT |
| 1 | LINN CO SHERIFFS OFFICE          | LOCAL SHERIFF   |
| 1 | MALHEUR CO SHERIFFS OFFICE       | LOCAL SHERIFF   |
| 1 | MCMINNVILLE FIRE DEPT            | LOCAL FIRE DEPT |
| 1 | MEDFORD POLICE DEPT              | LOCAL POLICE    |
| 1 | METRO WEST AMBULANCE             | LOCAL OTHER     |
| 1 | MILWAUKIE POLICE DEPT            | LOCAL POLICE    |
| 1 | PORT OF PORTLAND POLICE DEPT     | LOCAL POLICE    |
| 1 | SHERIDAN FD                      | LOCAL FIRE DEPT |
| 1 | US COAST GUARD                   | FEDERAL AGENCY  |
| 1 | US POSTAL SERVICE                | FEDERAL AGENCY  |
| 1 | YAMHILL CO SHERIFFS OFFICE       | LOCAL SHERIFF   |

# AGENCY RESPONDING BY TYPE



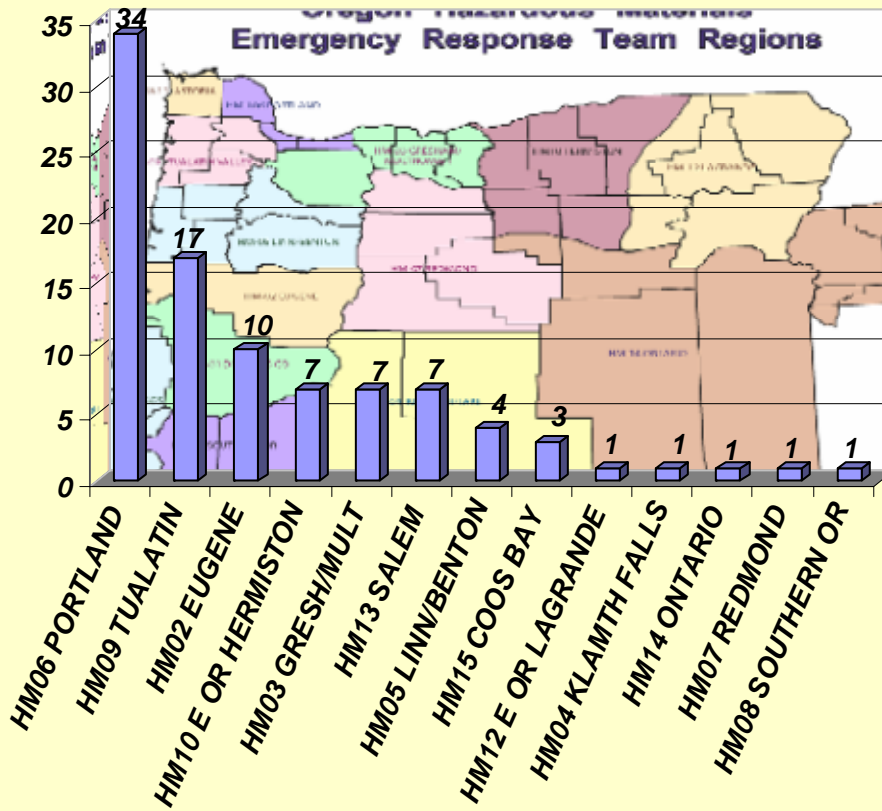
In some cases, more than one agency responded to an incident. The chart above shows the number of agencies by type who responded to incidents. The majority of agencies responding were state agencies, which includes Hazmat Teams, equating to 140 total responses. The second highest responding agency was local fire departments.



Portland Hazmat Team 06



# HAZMAT TEAMS RESPONDING



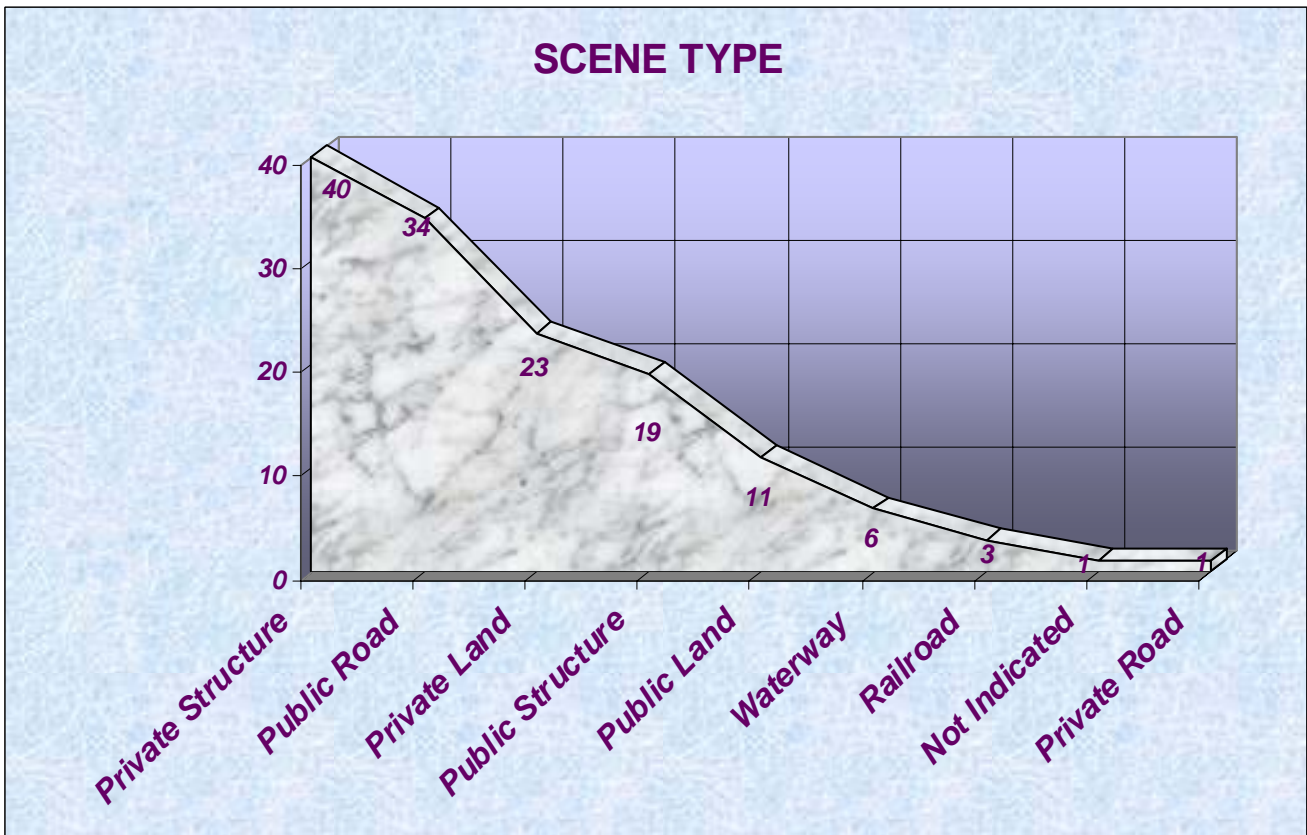
Hazmat Team 06 in Portland responded to the highest number of incidents, equating to 36% of incidents responded to by a hazmat team, and 25% of all incidents reported to OSFM.



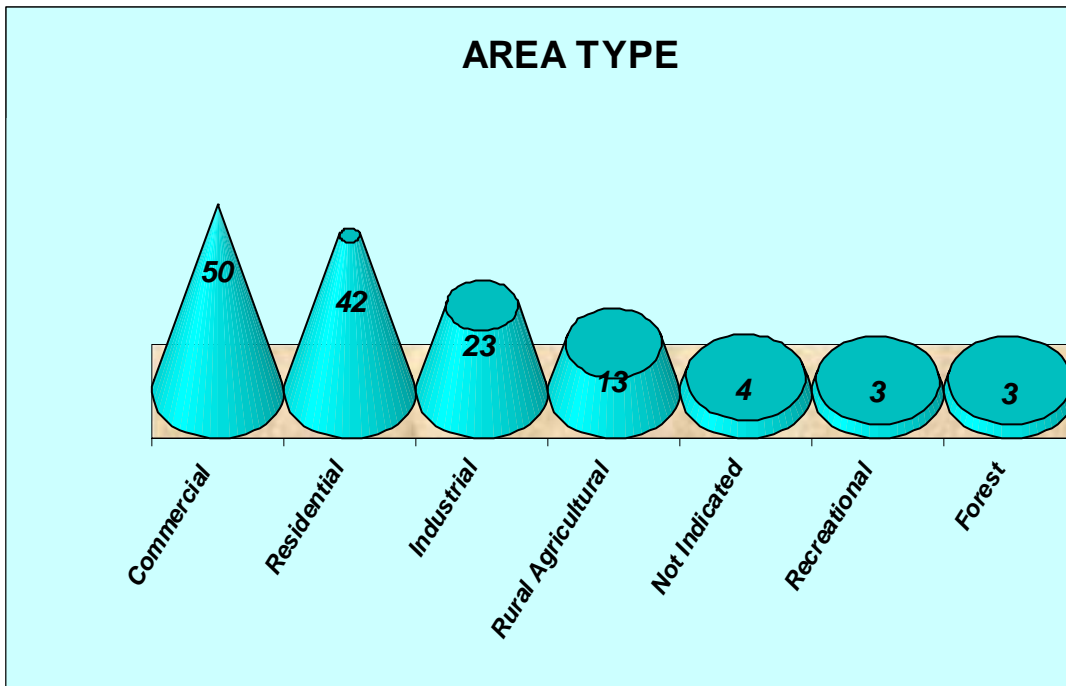
State FMO LOX incident responded to by Hazmat Team 06—Portland.



Team members of Hazmat Team 06—Portland during a drill.

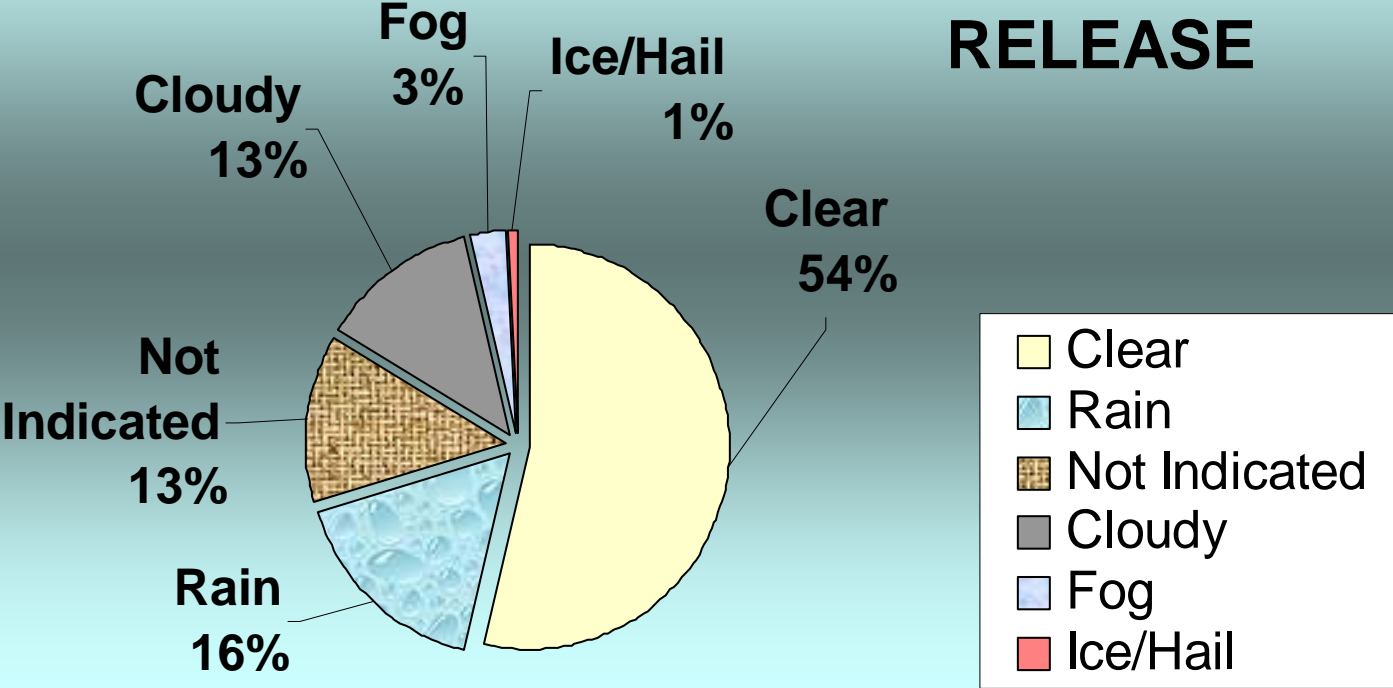


The number of incidents that occurred at private structures equated to approximately 29% of the reported incidents. Approximately 25% occurred on public roads. These two scene categories were also the highest in 2003 and 2004. For the thirteenth consecutive year, the category of private roads was the lowest involved scene type reported.

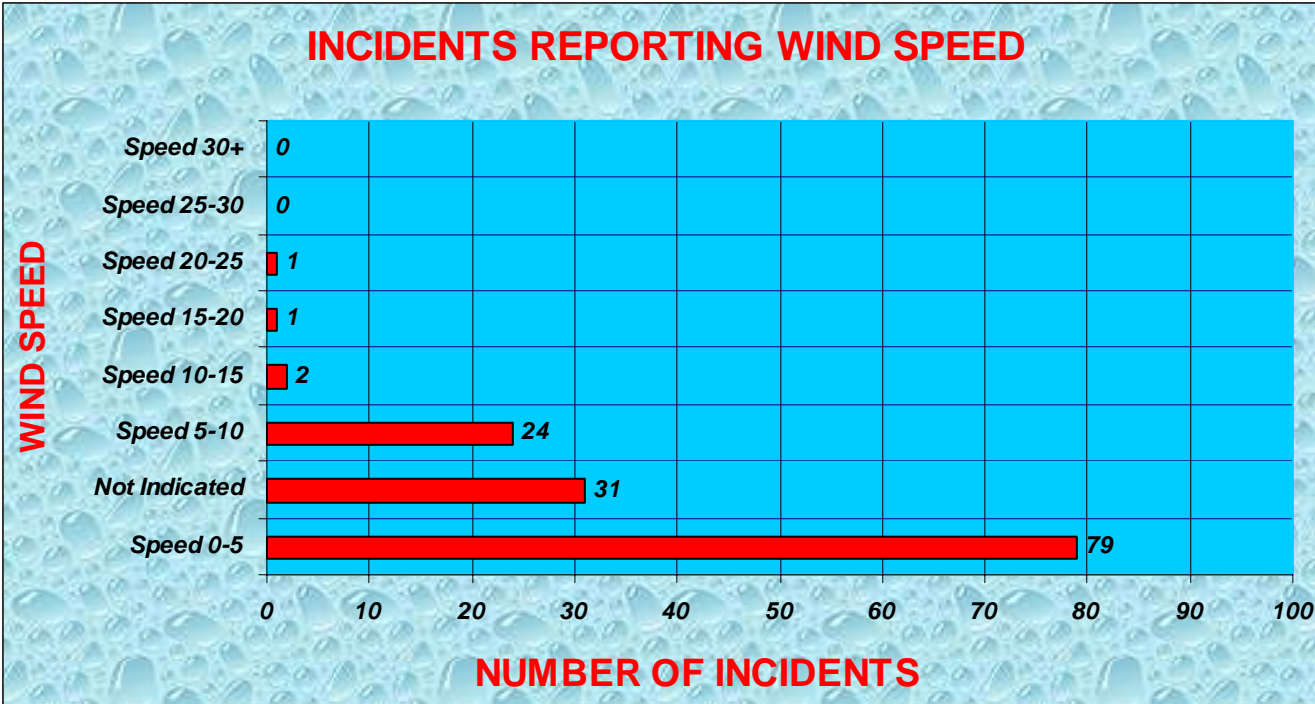


As shown in the above chart, commercial areas were the highest involved area of incidents reported, equating to approximately 36%. The second highest area was identified as residential, equating to approximately 30%. For the third year in a row, these two areas remain the highest and forest remains the lowest.

# WEATHER UPON RELEASE

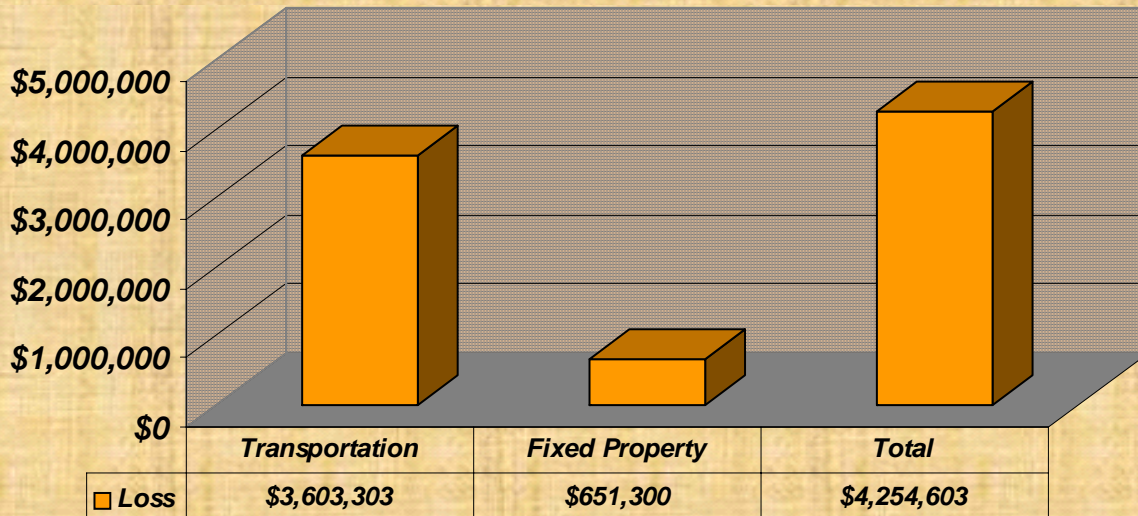


Clear weather was the most frequently reported weather condition in 2005, reported for 72 incidents. The next highest weather condition was rain, reported in 22 of incidents.



Of the incidents reported in 2005, 57% reported a wind speed of 0-5 miles per hour. Wind speeds of 5-10 miles per hour were reported in 17% of the incidents.

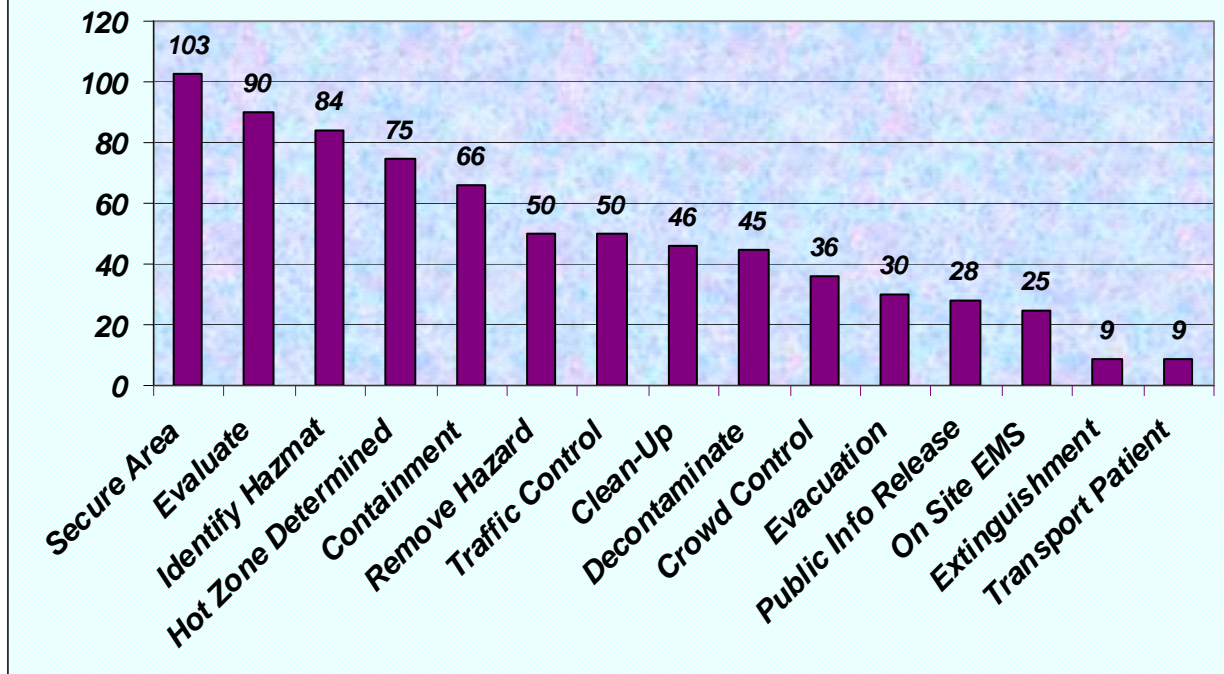
## ESTIMATED PROPERTY LOSS



Monetary losses due to hazardous material incidents are divided into two categories:

- 1) Transportation, which includes vehicles and their cargo, and 2) Fixed Property. Of the total estimated losses in 2005, approximately 85% were in the transportation category, and 15% were in the fixed property category. The total estimated loss includes the monetary value of the hazardous substance spilled.

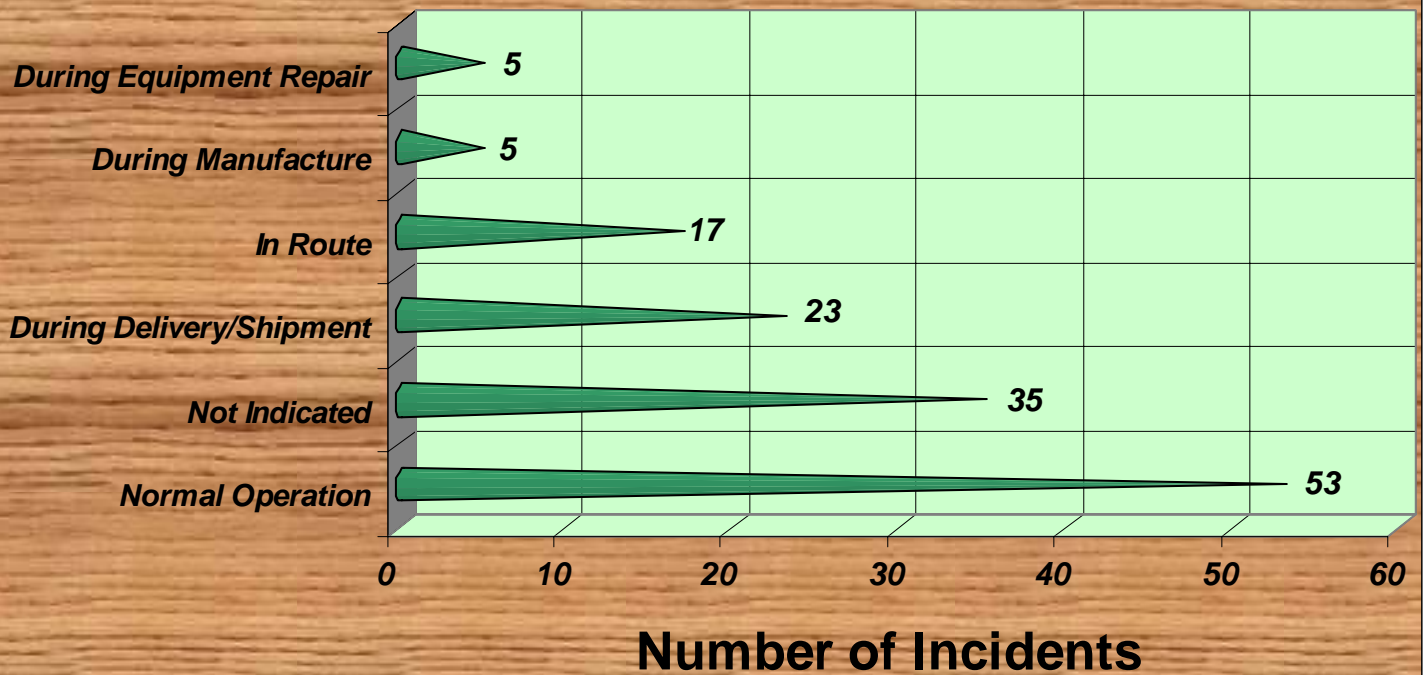
## ACTION TAKEN AT SCENE



More than one action may have been taken at the scene of an incident. The most frequent actions taken at incident scenes were 1) securing the area and 2) evaluating the incident, and 3) identifying the hazardous material involved in the incident.



# OPERATION PERFORMED



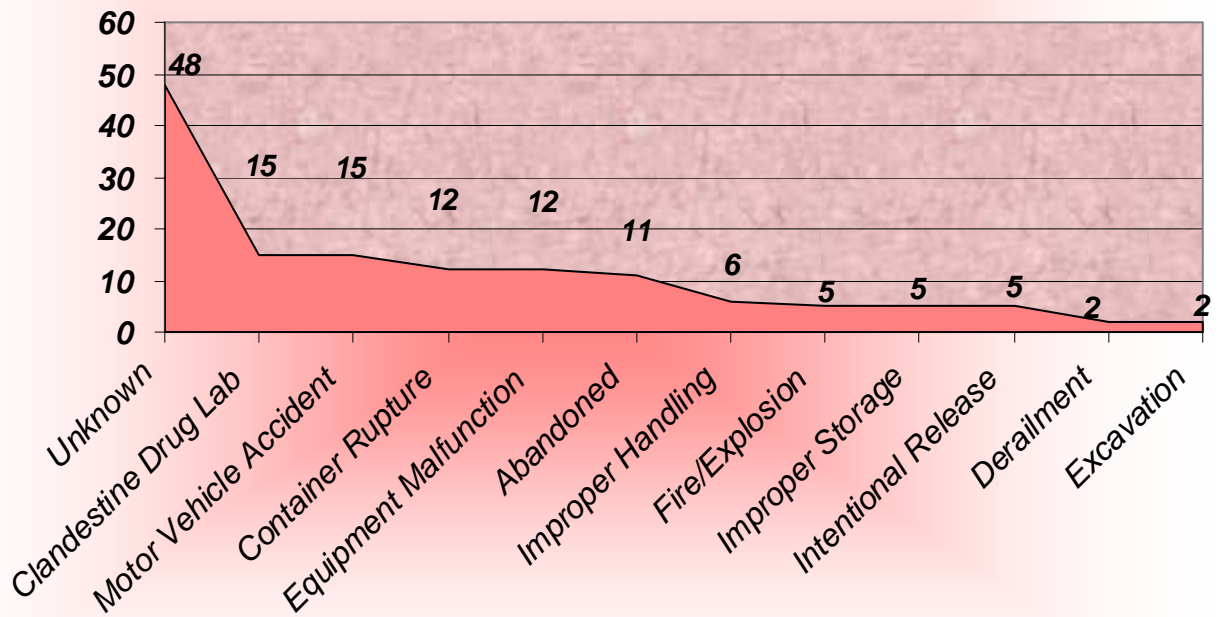
Approximately 52% of the reported incidents occurred during normal operations. About 21% of the incidents occurred during delivery or shipment.



Hazmat Team 13—Salem



# CAUSE OF INCIDENT

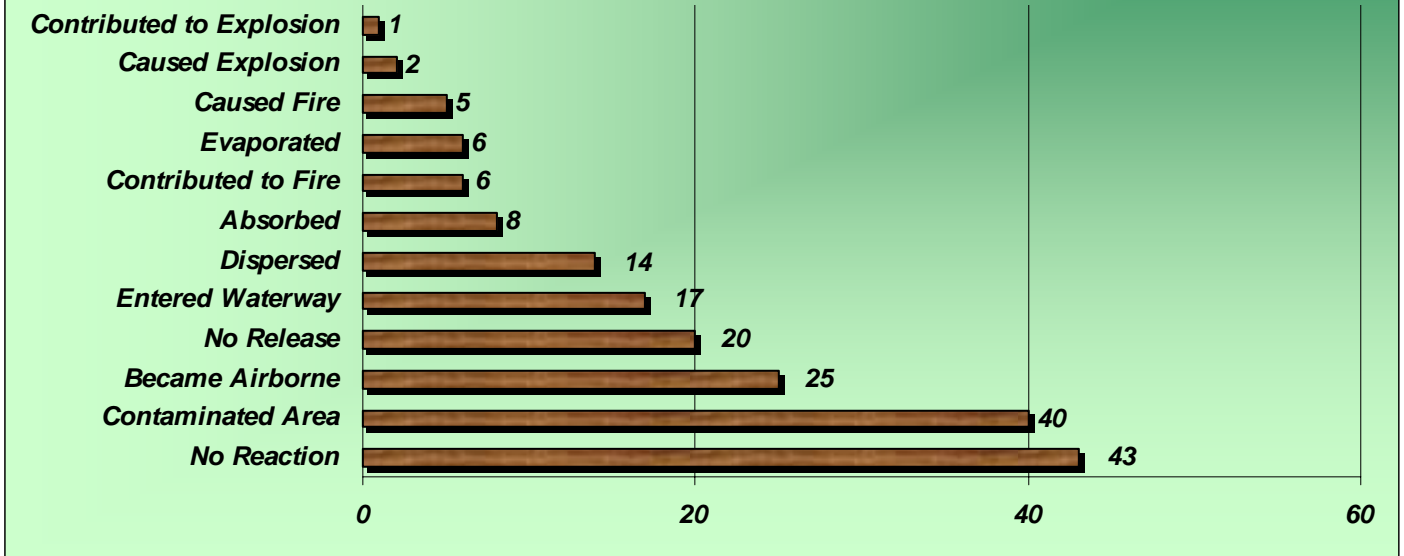


Not all Incident Reports indicated a cause. In 35% of the incidents reported, the cause was unknown. The highest causes were clandestine drug lab and motor vehicle accident, each accounting for 11% of the incidents.



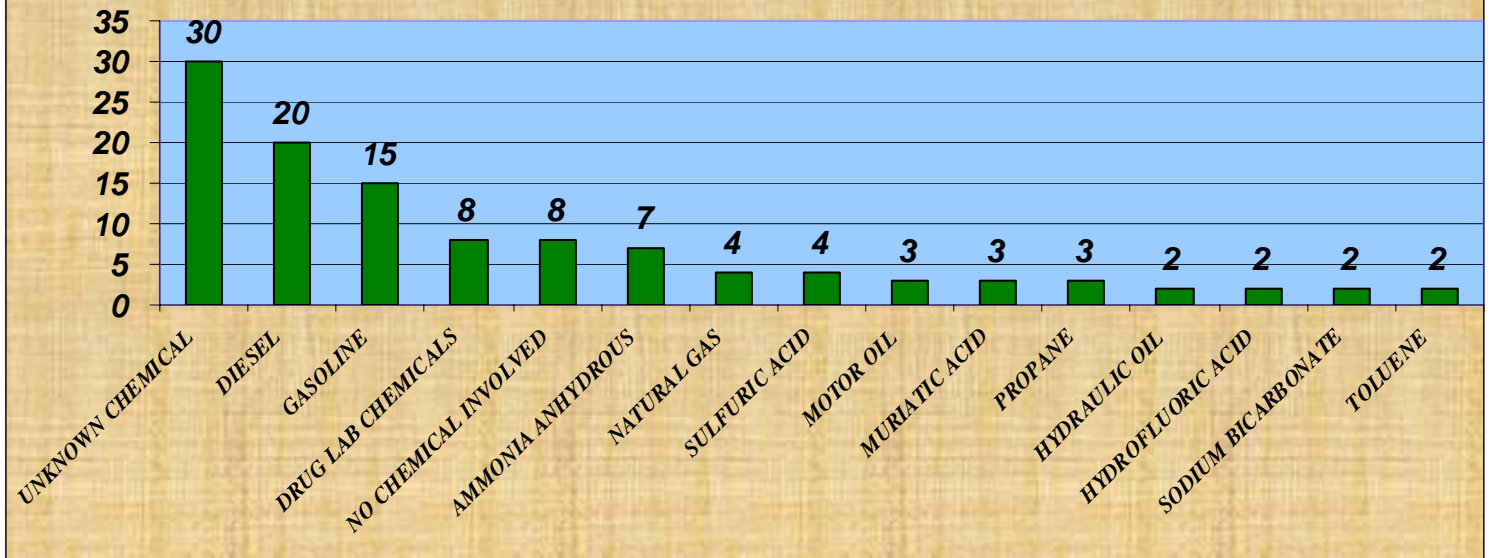
Hazmat Team 04—Klamath Falls responding at Lake of the Woods

## HAZMAT BEHAVIOR OF RELEASE



This chart shows the hazardous material behavior of the released substance. More than one behavior may have been reported for any one incident. The most frequent behavior on release was no reaction (approximately 43%). The second highest behaviors reported was that the area was contaminated (40%). In 13% of the behaviors reported, the hazardous substance became airborne.

## TOP FIFTEEN CHEMICALS INVOLVED IN HAZMAT INCIDENTS



In the majority of incidents, the substance was unknown. The most common chemical identified was diesel, with gasoline following as the next most common substance.

## List of Materials Spilled In 2005 Hazmat Incidents

|    |                               |
|----|-------------------------------|
| 30 | UNKNOWN CHEMICAL              |
| 15 | GASOLINE                      |
| 12 | DIESEL                        |
| 8  | DIESEL FUEL                   |
| 8  | DRUG LAB CHEMICALS            |
| 8  | NO CHEMICAL INVOLVED          |
| 7  | AMMONIA ANHYDROUS             |
| 4  | NATURAL GAS                   |
| 4  | SULFURIC ACID                 |
| 3  | MOTOR OIL                     |
| 3  | MURIATIC ACID                 |
| 3  | PROPANE                       |
| 2  | HYDRAULIC OIL                 |
| 2  | HYDROFLUORIC ACID             |
| 2  | SODIUM BICARBONATE            |
| 2  | TOLUENE                       |
| 1  | 2-ETHYLHEXYL ACRYLATE         |
| 1  | ALUMINUM POWDER               |
| 1  | ANILINE                       |
| 1  | ASPHALT EMULSION              |
| 1  | ASTROMID-18                   |
| 1  | BABY POWDER                   |
| 1  | BASAZOL VIOLET                |
| 1  | BENZENE                       |
| 1  | CALPRIL                       |
| 1  | CAPTOR                        |
| 1  | CHLORINE                      |
| 1  | CLEANING SOLVENT              |
| 1  | DENATURED ALCOHOL             |
| 1  | DIBUTYLAMINE                  |
| 1  | DRAIN CLEANER                 |
| 1  | ETHYL ACETATE                 |
| 1  | FERTI-LOME TRIPLE ACTION PLUS |
| 1  | FLUORINE                      |
| 1  | FUEL OIL                      |
| 1  | GAMMA-32P                     |
| 1  | HEATING OIL                   |
| 1  | HYDRAULIC & MACHINE OIL       |
| 1  | HYDRAULIC OIL-VEGETABLE       |
| 1  | HYDROCARBON MIXTURE           |
| 1  | HYDROCHLORIC ACID             |
| 1  | HYDROGEN PEROXIDE             |
| 1  | MAGNESIUM CHLORIDE SOLUTION   |
| 1  | METHYL ACETATE                |
| 1  | METHYL ALCOHOL                |

|   |  |
|---|--|
| 1 | METHYL ETHYL KETONE                    |
| 1 | MOLTEN SULFUR                          |
| 1 | MOTOR OIL 10W/40                       |
| 1 | NITRIC ACID                            |
| 1 | ORGANIC PEROXIDE                       |
| 1 | ORTHO ORTHENE                          |
| 1 | PETROLEUM OIL                          |
| 1 | PHOSPHATE/CHROMATE SOLUTION            |
| 1 | PICRIC ACID                            |
| 1 | POLYPHOSPHORIC ACID                    |
| 1 | RAYVACE 266B                           |
| 1 | SODIUM CYANIDE                         |
| 1 | SODIUM HYDROXIDE                       |
| 1 | TRAFFIC MARKING PAINT-VOC              |
| 1 | TRANSMISSION FLUID                     |
| 1 | TRIFLUOROETHYLAMINE/<br>PHENYLPENTANOL |
| 1 | VINYL TOLUENE                          |
| 1 | VITAMIN C POWDER                       |

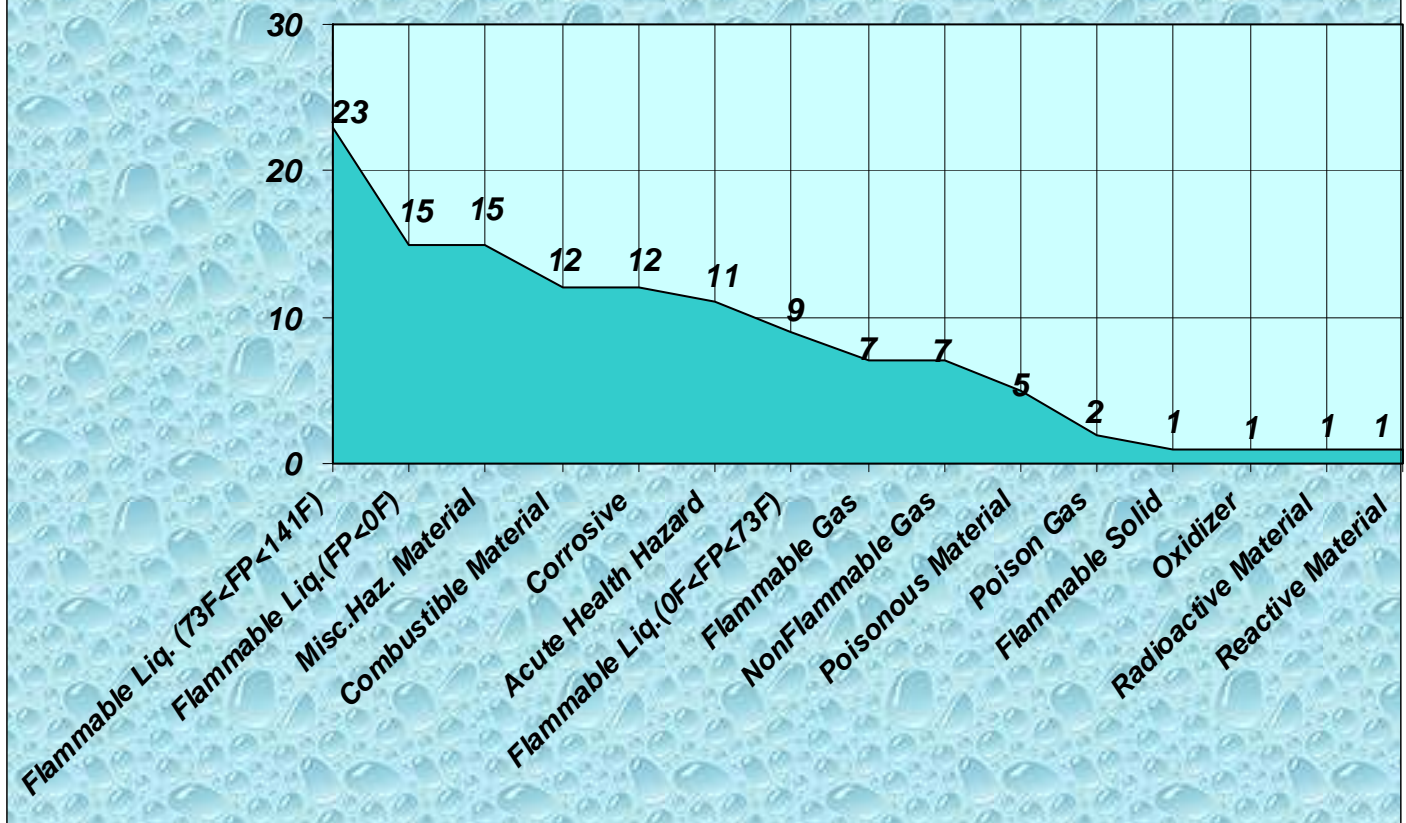


Hazmat Team 11—Astoria

There were 160 different chemicals reported to have been released in 2005.



# Incidents Reported by Hazard Class

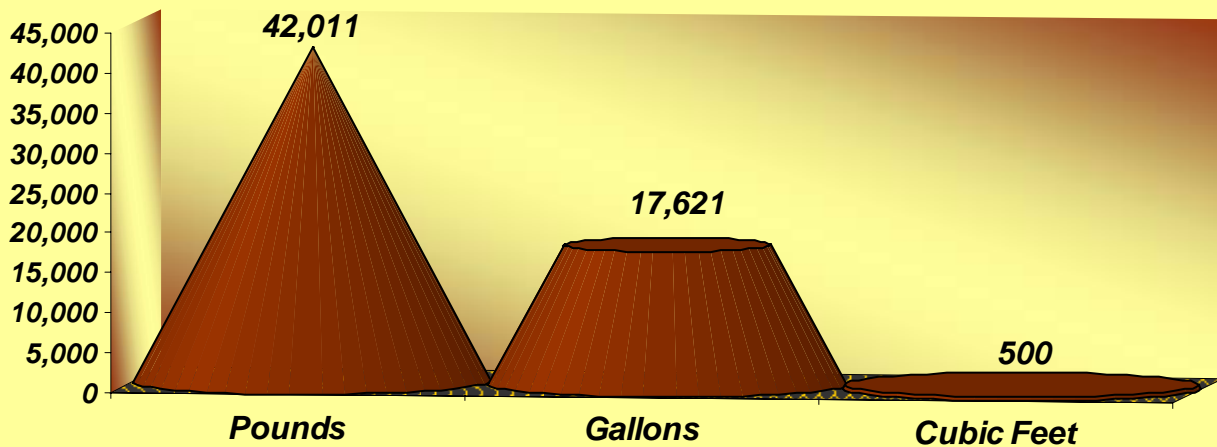


Flammable Liquid (73F<FP<141F) was the most common hazard class for chemicals reported in 2005 incidents. The second most common hazard classes were Flammable Liquid (FP<0F) and Miscellaneous Hazardous Materials.



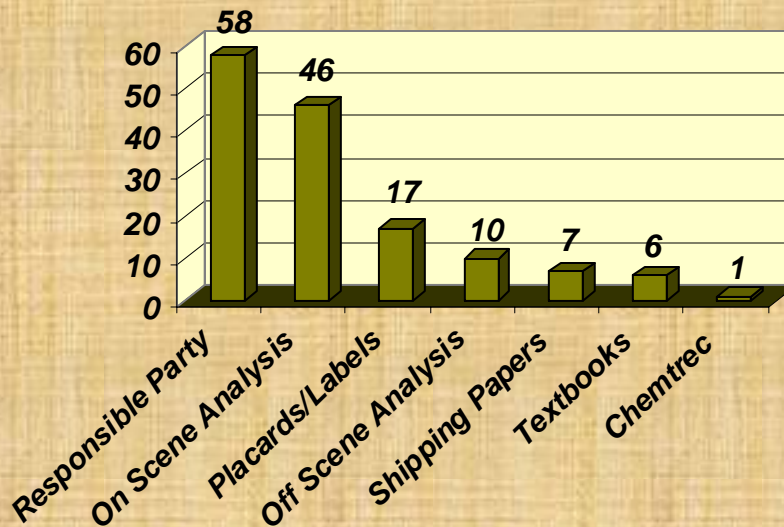
Hazmat Team 5—Linn /Benton  
Bomb Drill

## TOTAL AMOUNT RELEASED BY UNIT OF MEASURE



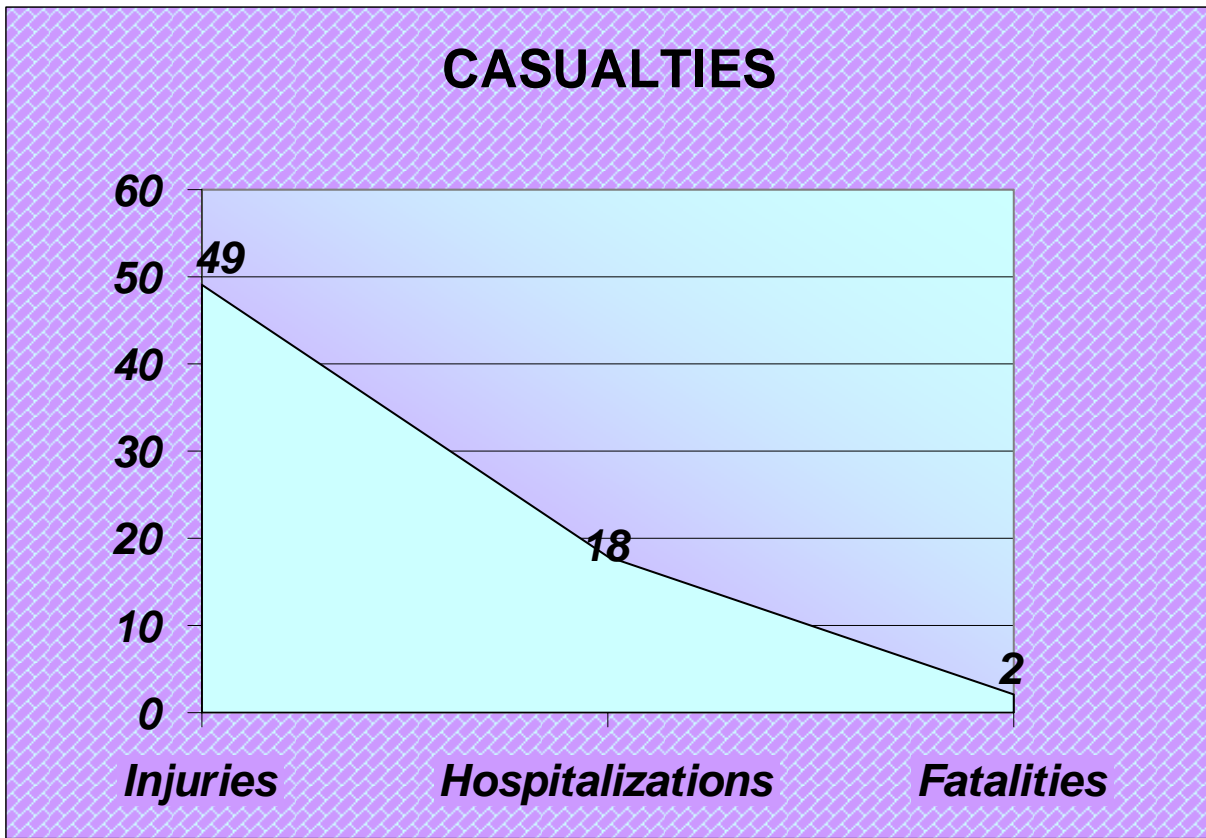
Responders to hazardous material incidents provide an estimate of the total amount released for all substances involved. The substances are reported according to their physical state: solids in pounds, liquids in gallons, and gases in cubic feet. The chart above shows the quantities released.

## MATERIAL IDENTIFICATION SOURCES

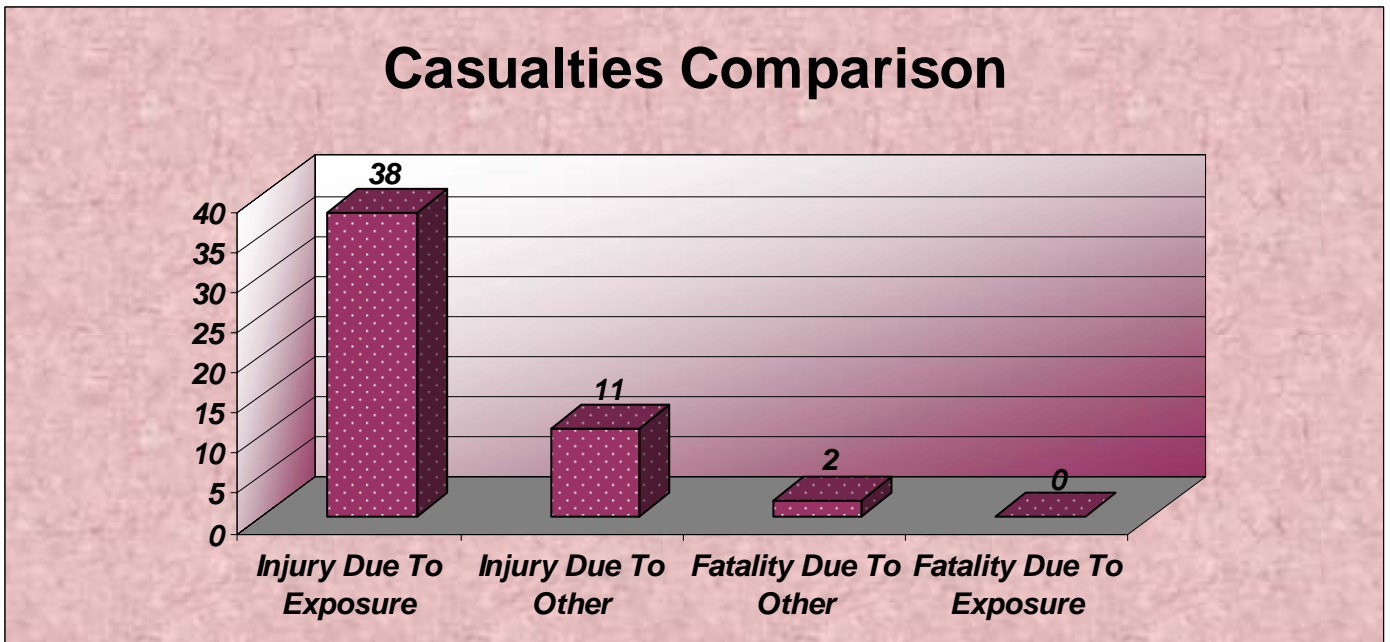


The course of emergency response is often determined by correct identification of the material involved in an incident. The graph above shows the sources used to identify the hazardous material. The responsible party was the highest source used in identifying the material involved (58%).



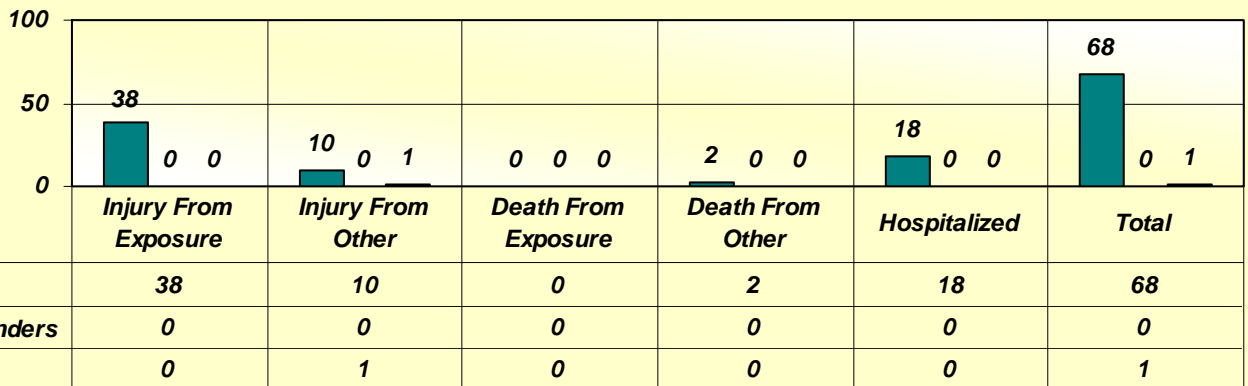


The above chart shows the number of people who were injured, died, and/or were hospitalized in the Hazardous Material Incidents reported in 2005.



Fatalities and injuries due to exposure refers to people affected as a direct result of the incident, or exposure to the incident. Deaths and injuries due to other refers to people affected, but not as a direct result of the incident. For example, if a truck driver had a heart attack and died, which caused the truck to crash and the incident to occur, this would be categorized as death due to other.

## Casualties: By Type of Person

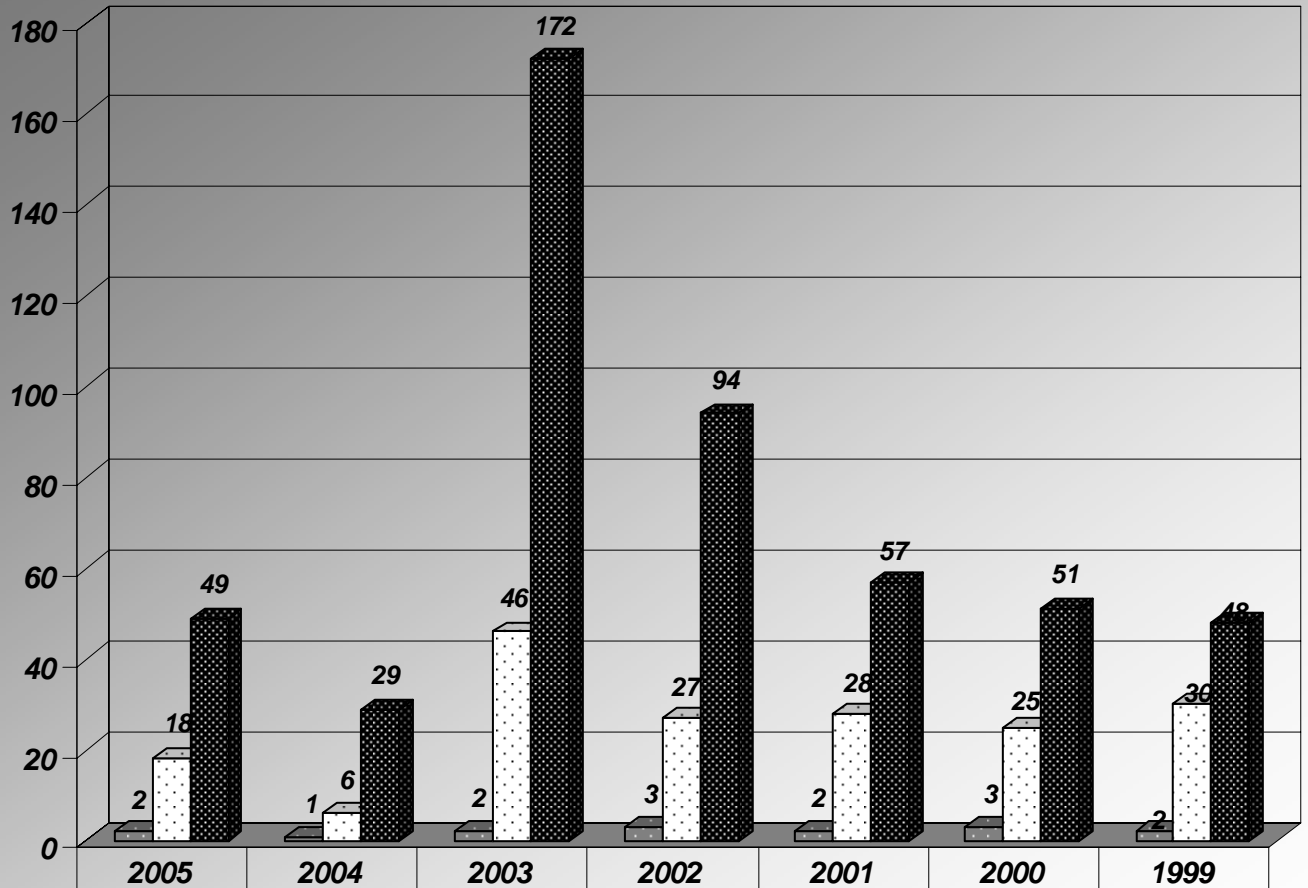
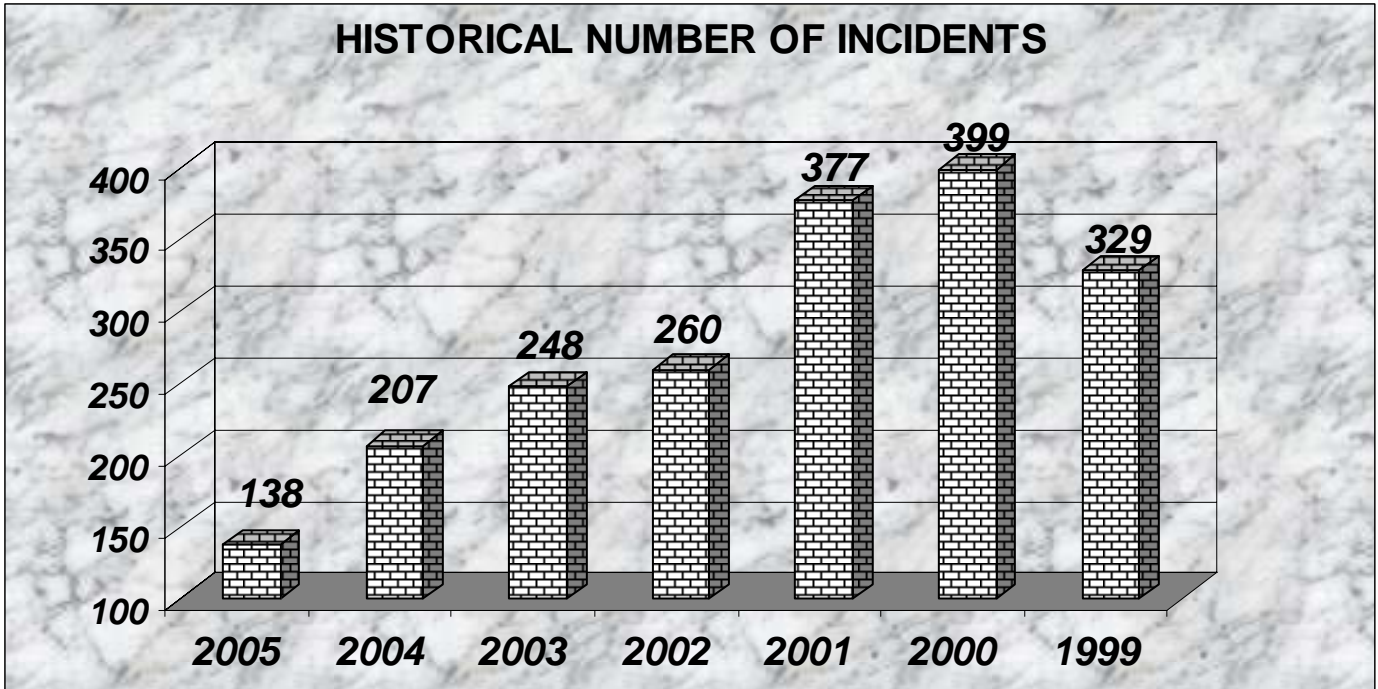


The chart above shows a comparison of casualties by category of the person injured. There are three categories of people tracked: civilians, fire service personnel, and other responders. The most common category of people to become a casualty in a hazardous materials incident are civilians. The next most common category of people to become casualties in an incident are fire service personnel.

| CHEMICAL INVOLVED WHERE CASUALTY OCCURRED |                               |        |       |              |
|---|-------------------------------|--------|-------|--------------|
| Count                                     | Chemical Name                 | Injury | Death | Hospitalized |
| 6   | UNKNOWN CHEMICAL              | X      | 0     | X            |
| 2   | SODIUM HYDROXIDE              | X      | 0     | 0            |
| 2   | DIESEL                        | X      | 0     | X            |
| 1   | AMMONIA ANHYDROUS             | X      | 0     | X            |
| 1   | BENZENE                       | X      | 0     | X            |
| 1   | CAPTOR                        | X      | X     | X            |
| 1   | ETHYL ACETATE                 | X      | 0     | X            |
| 1   | FERTI-LOME TRIPLE ACTION PLUS | X      | 0     | 0            |
| 1   | GASOLINE                      | 0      | X     | 0            |
| 1   | HYDROCHLORIC ACID             | X      | 0     | X            |
| 1   | HYDROFLUORIC ACID             | X      | 0     | X            |
| 1   | METHYL ACETATE                | X      | 0     | X            |
| 1   | METHYL ALCOHOL                | X      | 0     | X            |
| 1   | MURIATIC ACID                 | X      | 0     | X            |
| 1   | ORTHO ORTHENE                 | X      | 0     | 0            |
| 1   | POLYPHOSPHORIC ACID           | X      | 0     | X            |
| 1   | SULFURIC ACID                 | X      | 0     | 0            |
| 1   | TRANSMISSION FLUID            | 0      | X     | 0            |

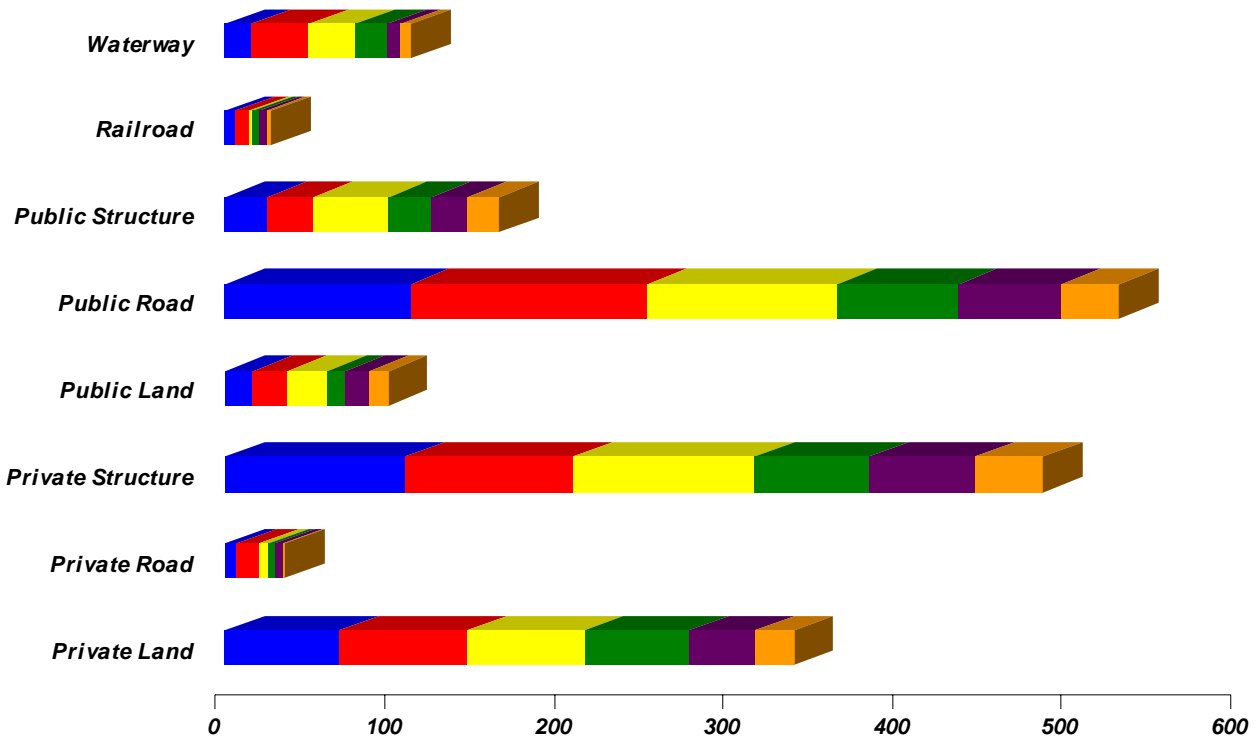
This table shows the number of casualties that occurred for each chemical. More than one chemical may have been involved in any one incident. Not all of the casualties are directly caused by the hazardous chemicals. In some cases, the casualty was the cause of the incident rather than the chemical being the cause of the casualty.

# HISTORICAL CHARTS



|              |    |    |     |    |    |    |    |
|--------------|----|----|-----|----|----|----|----|
| Deaths       | 2  | 1  | 2   | 3  | 2  | 3  | 2  |
| Hospitalized | 18 | 6  | 46  | 27 | 28 | 25 | 30 |
| Injuries     | 49 | 29 | 172 | 94 | 57 | 51 | 48 |

# HISTORICAL SCENE TYPE



|      | Private Land | Private Road | Private Structure | Public Land | Public Road | Public Structure | Railroad | Waterway |
|------|--------------|--------------|-------------------|-------------|-------------|------------------|----------|----------|
| 2005 | 23           | 1            | 40                | 11          | 34          | 19               | 3        | 6        |
| 2004 | 39           | 5            | 63                | 14          | 61          | 22               | 4        | 9        |
| 2002 | 62           | 3            | 67                | 11          | 72          | 25               | 4        | 18       |
| 2001 | 69           | 6            | 108               | 24          | 112         | 44               | 2        | 28       |
| 2000 | 76           | 13           | 99                | 20          | 140         | 27               | 8        | 34       |
| 1999 | 67           | 7            | 106               | 16          | 109         | 25               | 6        | 15       |

Historically, the most common scene types are Public Road, Private Structure, and Private Land.

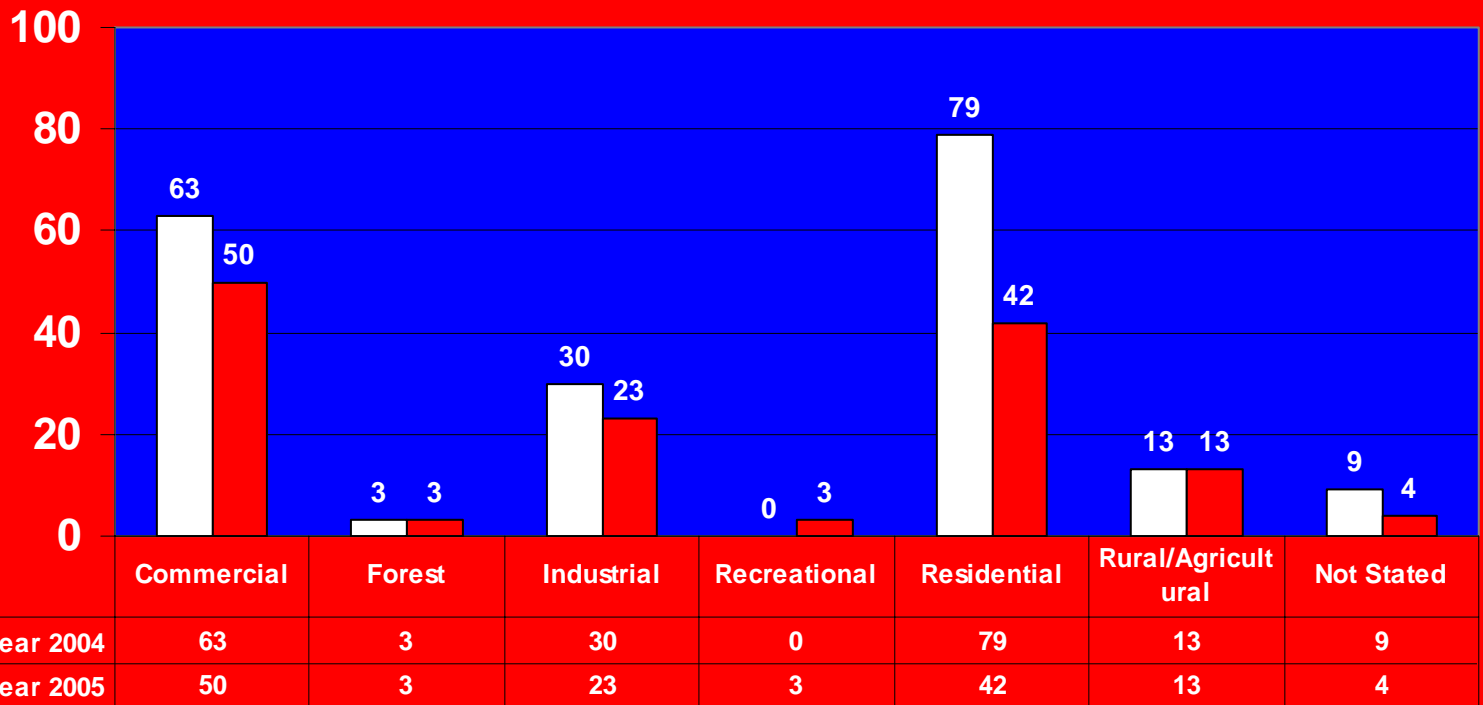


Hazmat Team 05—Linn/Benton during a radiological training.

| HISTORICAL CAUSE OF INCIDENT |           |           |           |           |           |           |           |
|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                              | Year 2005 | Year 2004 | Year 2003 | Year 2002 | Year 2001 | Year 2000 | Year 1999 |
| Abandoned                    | 11        | 17        | 26        | 27        | 37        | 40        | 26        |
| Clandestine Drug Lab         | 15        | 21        | 44        | 37        | 68        |           |           |
| Container Rupture            | 12        | 5         |           |           |           |           |           |
| Derailment                   | 2         | 0         |           |           |           |           |           |
| Equipment Malfunction        | 12        | 14        |           |           |           |           |           |
| Excavation                   | 2         | 12        | 7         | 12        | 21        | 24        | 24        |
| Fire/Explosion               | 5         | 6         |           |           |           |           |           |
| Improper Handling            | 6         | 2         |           |           |           |           |           |
| Improper Storage             | 5         | 2         | 24        | 27        | 33        | 48        | 38        |
| Intentional Release          | 5         | 4         |           |           |           |           |           |
| Motor Vehicle Accident       | 15        | 14        | 13        | 21        | 32        | 36        | 28        |
| Unknown                      | 48        | 71        |           |           |           |           |           |

During 2004, the Incident Database was redesigned; hence, some of the cause categories are new to 2004 and were not previously tracked. Unknown cause has been the highest category of incident causes in the past two years. The next highest causes historically are Clandestine Drug Lab and Motor Vehicle Accident.

### Historical Area Type







## Request for Hazardous Substance Information

**NOTE: ALL REQUESTER INFORMATION MUST BE PROVIDED BEFORE THE REQUEST CAN BE PROCESSED**

**Mailing Address:** Office of State Fire Marshal  
4760 Portland Rd. NE  
Salem OR 97305-1760

**Phone:** (503) 378-6835  
**Fax:** (503) 373-1825  
**email:** SFM.CR2K@state.or.us

|                                      |  |
|--------------------------------------|--|
| <b>1. Requester &amp; Title:</b>     | <b>2. Date Requested:</b>                        |
| <b>3. Organization:</b>              | <b>4. Phone Number:</b>                          |
| <b>5. Email Address:</b>             | <b>6. Fax Number:</b>                            |
| <b>7. Requester Mailing Address:</b> | <b>8. Requester County &amp; Street Address:</b> |

**9. Describe what information you are requesting. Include the Name and Address of the Site(s) you are requesting information for. On the second page of this form, check the data elements you want included in your report, if applicable. If more space is needed than is provided, add additional pages.**

**10. Describe what the information will be used for.**

|   |  |
|---|--|
| <b>11. How would you like to receive the information?</b><br>1. <input type="checkbox"/> Verbal<br>2. <input type="checkbox"/> Printed Copy<br>3. <input type="checkbox"/> Fax<br>4. <input type="checkbox"/> E-Mail Transfer<br>5. <input type="checkbox"/> Diskette<br>6. <input type="checkbox"/> CD, How Many | <b>12. If you are requesting 4, 5 or 6 please check format</b><br><input type="checkbox"/> Access<br><input type="checkbox"/> Excel<br><input type="checkbox"/> Other / Specify format →<br><input type="checkbox"/> Text<br><input type="checkbox"/> D-Base |
|---|--|

### OSFM USE ONLY

|  |  |
|--|--|
| <p style="text-align: center;"><u>Type of Organization Requesting</u></p> <input type="checkbox"/> Educational Organization <input type="checkbox"/> General Medical<br><input type="checkbox"/> Emergency Management <input type="checkbox"/> Hospital<br><input type="checkbox"/> Environmental Consultant <input type="checkbox"/> General Government<br><input type="checkbox"/> Environmental Group <input type="checkbox"/> Law Enforcement<br><input type="checkbox"/> Fire Service <input type="checkbox"/> Private Business<br><input type="checkbox"/> Financial Institution <input type="checkbox"/> Public<br><input type="checkbox"/> Other / Specify → | <p style="text-align: center;"><u>Request Type</u></p> <input type="checkbox"/> HSIS CD ER <input type="checkbox"/> Survey<br><input type="checkbox"/> HSIS CD PUB <input type="checkbox"/> Incident<br><input type="checkbox"/> MSDS <input type="checkbox"/> Inc & Surv<br><input type="checkbox"/> H&M ER <input type="checkbox"/> HMT <input type="checkbox"/> TRI<br><input type="checkbox"/> H&M PUB <input type="checkbox"/> EHS<br><input type="checkbox"/> Pesticide <input type="checkbox"/> 112R<br><input type="checkbox"/> Secured HazClass <input type="checkbox"/> PSM<br><input type="checkbox"/> Other / Specify → <input type="checkbox"/> Tech Asst |
| <p style="text-align: center;"><u>Purpose</u></p> <input type="checkbox"/> Education / Library <input type="checkbox"/> Response<br><input type="checkbox"/> Company Look-up <input type="checkbox"/> Planning<br><input type="checkbox"/> Presentation / Meeting <input type="checkbox"/> Exercise<br><input type="checkbox"/> Regulatory <input type="checkbox"/> ESA<br><input type="checkbox"/> Other / Specify ↓ <input type="checkbox"/> TTA   | Person Receiving Request: _____<br>Person Providing Request: _____<br>Person Verifying _____<br>Date Request Provided: _____<br>Query Name: _____<br>Special Request Approval: _____<br>Type of S.I.    H.C. <input type="checkbox"/> Spec. Loc <input type="checkbox"/> Emer Night # <input type="checkbox"/><br>On going <input type="checkbox"/> One Time <input type="checkbox"/>  |

## INSTRUCTIONS FOR FILLING OUT THE REQUESTER SECTION OF THIS FORM

**NOTE: ALL REQUESTER INFORMATION MUST BE PROVIDED BEFORE THE REQUEST CAN BE PROCESSED**

**IF AN AREA OF THE REQUEST FORM DOES NOT APPLY, ENTER “NONE” OR “N/A”**

1. **Requester:** Enter the name of the person requesting the information.
2. **Date Requested:** Enter the date the information is being requested.
3. **Organization:** Enter the name of the organization the requester is affiliated with.
4. **Phone Number:** Enter the Phone Number of the person requesting the Information.
5. **Email Address:** Enter the email address of the person requesting the information.
6. **Fax Number:** Enter the fax number of the person requesting the information.
7. **Requester Mailing Address:** Enter the mailing address of the person requesting the information.
8. **Requester Street Address:** Enter the street address of the person requesting the information. If the street address is the same as the mailing address enter “**SAME**”.
9. **Describe what information you are requesting:** Enter a detailed description of the information you are requesting. Provide enough detail to give a clear understanding of what information you want. Be sure to include the **Name and Address** of the facility you are requesting the information for.
10. **Describe what the information will be used for:** Enter a description of what this information will be used for.
11. **How would you like to receive the Information?** Check the box that indicates how you would like to receive the information. If requesting fax or email, be sure to provide that information in number 5 or 6 as applicable.
12. **If you are requesting 4, 5 or 6 please check format:** If requesting an electronic version of the information, check the box indicating the format in which you want to receive it. If the format you want is not identified by a check box, write the format in the area identified as “**Other / Specify format**”.

### SURVEY & INCIDENT DATABASE FIELD SELECTIONS:

| SURVEY  | SURVEY CONT  |
|---|--|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Are Hazardous Substances Present at Facility</li> <li>2. <input type="checkbox"/> EHS Substances that Meet TPQ</li> <li>3. <input type="checkbox"/> Subject to Sec 112R of CAA</li> <li>4. <input type="checkbox"/> Subject to PSM Requirements</li> <li>5. <input type="checkbox"/> SIC Codes for Facility</li> <li>6. <input type="checkbox"/> Business Activity</li> <li>7. <input type="checkbox"/> Manager's Name</li> <li>8. <input type="checkbox"/> Send to Attention of</li> <li>9. <input type="checkbox"/> Email Address</li> <li>10. <input type="checkbox"/> Business Name</li> <li>11. <input type="checkbox"/> Department / Division</li> <li>12. <input type="checkbox"/> Site Address</li> <li>13. <input type="checkbox"/> Mailing Address</li> <li>14. <input type="checkbox"/> Business Phone</li> <li>15. <input type="checkbox"/> Number of Employees</li> <li>16. <input type="checkbox"/> Emergency Contact Person</li> <li>17. <input type="checkbox"/> Emergency Contact Day Number</li> <li>18. <input type="checkbox"/> Emergency Contact Night Number-<b>Restricted</b></li> <li>19. <input type="checkbox"/> Responsible Fire Dept</li> <li>20. <input type="checkbox"/> Substance Name</li> <li>21. <input type="checkbox"/> Hazardous Ingredient</li> <li>22. <input type="checkbox"/> Is or Contains a 112r substance</li> <li>23. <input type="checkbox"/> Is or Contains an EHS</li> <li>24. <input type="checkbox"/> Is or Contains a PSM substance</li> <li>25. <input type="checkbox"/> Physical Sate</li> <li>26. <input type="checkbox"/> Unit of Measure</li> <li>27. <input type="checkbox"/> Max Amount. Code</li> <li>28. <input type="checkbox"/> Amount In</li> <li>29. <input type="checkbox"/> Amount Out</li> <li>30. <input type="checkbox"/> Storage Code</li> <li>31. <input type="checkbox"/> Hazard Class</li> <li>32. <input type="checkbox"/> UN/NA Number</li> <li>33. <input type="checkbox"/> EPA Pesticide Reg. Number</li> <li>34. <input type="checkbox"/> CAS Number</li> </ol> | <ol style="list-style-type: none"> <li>35. <input type="checkbox"/> Storage Location-<b>Restricted</b></li> <li>36. <input type="checkbox"/> Facility ID Number</li> <li>37. <input type="checkbox"/> Geo Loc Codes</li> </ol><br><div style="text-align: center; border-top: 1px solid black; border-bottom: 1px solid black;"> <b>INCIDENT</b> </div> <ol style="list-style-type: none"> <li>A. <input type="checkbox"/> District of Incident</li> <li>B. <input type="checkbox"/> County of Incident</li> <li>C. <input type="checkbox"/> Dept. Responding</li> <li>D. <input type="checkbox"/> Date of Incident <input type="checkbox"/> Day of the Week</li> <li>E. <input type="checkbox"/> Call Time (time alarm received)</li> <li>F. <input type="checkbox"/> In Route Time</li> <li>F. <input type="checkbox"/> Arrive Time</li> <li>H. <input type="checkbox"/> Depart Scene Time</li> <li>I. <input type="checkbox"/> Time Back in quarters</li> <li>J. <input type="checkbox"/> In Service Time</li> <li>K. <input type="checkbox"/> Incident Location</li> <li>L. <input type="checkbox"/> Responsible Party Information</li> <li>M. <input type="checkbox"/> Scene Type</li> <li>N. <input type="checkbox"/> Area Type</li> <li>O. <input type="checkbox"/> Weather Type</li> <li>P. <input type="checkbox"/> Agencies Responding</li> <li>Q. <input type="checkbox"/> Action Taken</li> <li>R. <input type="checkbox"/> Source of Incident</li> <li>S. <input type="checkbox"/> Material Involved (Fuel, Cargo, Product, or Waste Material)</li> <li>T. <input type="checkbox"/> Cause of Incident</li> <li>U. <input type="checkbox"/> Hazmat Behavior on Release</li> <li>V. <input type="checkbox"/> Chemical Name and Information (e.g. # of containers, etc.)</li> <li>W. <input type="checkbox"/> Source Used to Identify Materials Involved</li> <li>X. <input type="checkbox"/> Estimated Property Loss</li> <li>Y. <input type="checkbox"/> Casualties</li> </ol> |