

CLARK COUNTY
LOCAL EMERGENCY PLANNING COMMITTEE

HAZARDOUS MATERIALS EMERGENCY RESPONSE PLAN



MESQUITE
HENDERSON
LAS VEGAS
BOULDER CITY
CLARK COUNTY
NORTH LAS VEGAS

This Plan is a Clark County Local Emergency Planning Committee project coordinated by the Office of Emergency Management in cooperation with the participating agencies listed in the Agencies section of the plan.

January 2013



Clark County Local Emergency Planning Committee

January 2013

LETTER OF PROMULGATION

This is the **Hazardous Materials Emergency Response Plan** for the Clark County Local Emergency Planning District. This plan is the product of cooperative efforts by the members of the Local Emergency Planning Committee (LEPC), and fulfills a federal requirement of the Superfund Amendments and Reauthorization Act of 1986 (SARA) under Title III, "Emergency Planning and Community Right-To-Know".

This document provides guidance for hazardous materials emergency response and represents a consensus by the LEPC upon which to base future planning and training. It also reflects recommendations and suggestions made by local government officials, industry representatives, emergency managers, environmental organizations, and members of the public actively concerned with hazardous materials preparedness, response, and prevention.

To the extent that the execution of this plan involves various private and public-sector organizations, it references letters of agreement signed by officials of these organizations. The authority and responsibility for implementing this plan begins immediately upon the notification of authorities by any person discovering a hazardous materials release.

This plan is but one important step in a comprehensive program of implementing the Emergency Planning and Community Right-To-Know aspects of SARA.

Sincerely,

A handwritten signature in black ink, appearing to read "Fernandez Leary", is written over a light blue horizontal line.

Fernandez Leary
Chair, Clark County
Local Emergency Planning Committee (LEPC)

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BASIC PLAN

HOW TO USE THIS PLAN

General Public and Private Industry

In accordance with the "Emergency Planning and Community Right-To-Know Act of 1986," the Clark County Local Emergency Planning Committee (LEPC) prepared this plan. This plan represents Clark County's proactive approach to managing possible releases of hazardous substances.

Private industry shall report all releases of reportable quantities to the Local Emergency Planning Committee. Reportable quantities notification telephone numbers can be found in Telephone Number section, page 1.

To report emergency spills go to the Telephone Number section, page 1 and call the number listed for your area. The Hazardous Materials Emergency Assistance Telephone Directory numbers are listed by city. If you are not sure of which number to call, dial 9-1-1.

For non-emergency spills with reportable quantities, go to the Telephone Number section, page 1 and use the Hazardous Materials Emergency Assistance Telephone Directory section entitled "Reportable Quantities Notifications."

Always remember to call (800) 227-2600 before you dig a hole in the ground. This simple step can prevent accidents involving underground storage and transportation gas lines and power lines.

Mandatory Planning Criteria

The following crosswalk indicates where the plan satisfies the criteria established in the document NRT-1. NRT-1 is planning guidance published by the National Response Team (1987).

Criterion 1: Identification of Facilities	Appendix A, Pages 1-23
Criterion 2: Response Methods	Response, Pages 1-27
Criterion 3: Emergency Mgmt. Coordinator	Telephone Directory, Page 3
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Criterion 7: Evacuation Plans	Evacuation, Pages 1-13
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Criterion 9: Exercise Programs	Response, Page 34

This plan contains the best information available at the time of its publication. Every effort has been made to ensure accuracy. If errors are found, please forward corrections to:

*Clark County LEPC
Attention: Plan
P.O. Box 551713
Las Vegas, NV 89155-1713*

PLANNING STANDARDS

PURPOSE

The purpose of this Hazardous Materials Emergency Response Plan is to establish common guidelines for responding to hazardous materials incidents anywhere within Clark County, and to meet the statutory requirements of the Superfund Amendments and Reauthorization Act of 1986 (Public Law 99-499), "SARA Title III."

PLAN RESPONSIBILITY

The Local Emergency Planning Committee (LEPC), established by the provisions of SARA Title III, is responsible for the development and update of this plan. The LEPC members are appointed by and serve at the discretion of the LEPC Chair. The LEPC Chair can appoint a new member if that member is an employee or representative of one of the member organizations indicated on the enabling resolution passed by the Clark County Board of Commissioners. If it is necessary to augment LEPC membership, then Board approval to amend the resolution is required.

OBJECTIVES OF THE PLAN

- Use the information provided by industry to identify the facilities and transportation routes where hazardous substances are present.
- Establish emergency response procedures, including evacuation plans, for dealing with accidental chemical releases.
- Set up notification procedures for those who will respond to an emergency.
- Establish methods for determining the occurrence and severity of a release and the areas and populations likely to be affected.
- Establish ways to notify the public of a release.
- Identify the emergency equipment available in the community, including equipment at facilities.
- Contain a program and schedules for training local emergency response and medical workers to respond to chemical emergencies.
- Establish methods and schedules for conducting "exercises" (simulations) to test elements of the emergency response plan.
- Designate a community coordinator and facility coordinators to carry out the plan.

SCOPE

This plan applies to all persons responding to a hazardous materials incident within Clark County, Nevada.

Hazardous Materials

The materials may include, but are not limited to, explosives, flammables, combustibles, compressed gases, cryogenics, poisons and toxins, reactive and oxidizing agents, radioactive materials, corrosives, carcinogenics, or etiological agents, or any combination thereof.

Hazardous Materials Incident

This plan covers any hazardous material incident associated with any mode of transportation, industrial processing and/or storage sites, waste disposal procedures, and illegal usage and disposal.

GUIDING PRINCIPLE

The primary responsibility for the control of hazardous materials rests with the owner, user, shipping agent, carrier, or other individuals who have custody of the material. However, in the event of an incident or accident resulting in loss of control of a hazardous material by the responsible party, the local government must take action and seek assistance as necessary to limit the effects on LIFE, PROPERTY, and THE ENVIRONMENT.

AUTHORITIES

Federal

Civil Defense Act of 1950

Public Law 100-707 Robert T. Stafford Disaster Relief and Emergency Assistance Act (amended earlier. Public Law 93-288)

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act of 1980

National Oil and Hazardous Substances Pollution Contingency Plan (Section 105, CERCLA)

RCRA - Resource Conservation and Recovery Act Hazardous and Solid Waste Amendments of 1984

Superfund Amendments and Reauthorization Act of 1986 (SARA Title III)
Emergency Planning Community Right to Know (EPCRA)

Clean Air Act - Section 112 (r) requires facilities to develop a risk management plan program to prevent and mitigate the effects of chemical accidents, and to

document the program in a Risk Management Plan (RMP).

State of Nevada - Nevada Revised Statutes (NRS)

NRS 244.335 - Grants power to regulate business

NRS 244.2961- Grants power to maintain a fire department, establish a fire code, and regulate the storage of explosive, combustible, and inflammable material

NRS 414 (all) Authorizes local emergency management programs

NRS 459 (all) Governs the storage and transportation of hazardous materials

NRS 474.160 - Grants fire departments/districts the power to regulate the hazards of fires and explosion relating to the storage, handling and use of hazardous substances, materials or devices

NRS 455.80 - 455.180 Nevada One Call Law. This law requires Nevadans to call 800-227-2600 before they start digging, blasting, drilling, or any other kind of excavating.

Local

Clark County Code
City of Las Vegas Municipal Code
City of North Las Vegas Municipal Code
City of Henderson Municipal Code
City of Boulder City Municipal Code
City of Mesquite Municipal Code

Mutual Aid

Fire Mutual and Automatic Aid Plan

Other References

Nevada Comprehensive Emergency Management Plan
Nevada Hazardous Materials Incident Contingency Guide
Clark County Emergency Operations Plan
Comprehensive Emergency Management Plans for the cities of Boulder City, Henderson, Las Vegas, North Las Vegas and Mesquite

Mandated Agency Responsibilities

See the RESPONSE section of the plan.

Letter of Agreements

Numerous agreements exist in the form of Mutual Aid Agreement, Automatic Aid

Agreement, Interlocal Agreement, and Memoranda of Agreement and/or Understanding. These agreements among the many jurisdictions in Clark County allow for response regardless of jurisdictional boundaries.

RELATIONSHIP TO OTHER PLANS

This plan is the Hazardous Materials Annex of the Clark County Emergency Operations Plan (EOP). Additionally, the Comprehensive Emergency Management Plans for the cities of Boulder City, Henderson, Las Vegas, North Las Vegas, and Mesquite refer to the Clark County LEPC Hazardous Materials Emergency Response Plan for hazardous materials incident response.

The State of Nevada, Comprehensive Emergency Management Plan Emergency Support Function #10, is designed to provide state support to response as outlined in this Plan.

This plan also supports the Clark County Medical Surge Plan and the Standardized EOC Operations Plan.

ASSUMPTIONS

All facilities covered under SARA Title III requirements must submit the required documents (minimum of Tier II Reporting) to the local Fire Department having jurisdiction, the Clark County LEPC, and the State Emergency Response Commission (SERC).

Facilities that must comply with SARA Title III will be identified through:

1. SARA Title III required reports;
2. Nevada State Fire Marshal consolidated report and associated permits;
3. Surveys and licenses in the local jurisdiction or State of Nevada licenses;
4. Clean Air Act, Section 112 (r).

Facilities that have fulfilled the requirements to report under the provisions of SARA Title III and have Extremely Hazardous Substances (EHS's) stored on site in amounts that exceed Threshold Planning Quantities (TPQ's) are included in this plan. See table in Appendix 1.).

The Clark County LEPC may also identify facilities subject to additional risk due to their close proximity to transportation routes and/or facilities that have hazardous chemicals.

PLANNING FACTORS

Hazard Analysis

This section summarizes information about likely hazards that pose risks to people and property in Clark County. Detailed information about specific hazards is available from the responsible agency. Additionally, the LEPC maintains copies of State Fire Marshal consolidated reports.

A hazard analysis contains information about community conditions that can affect people and property adversely. These conditions exist because industrial and commercial activities produce hazards that potentially threaten people. Also, human activities can conflict with natural forces and can result in hazardous materials emergencies.

A hazard analysis benefits the County and its municipalities because it:

1. Provides information for elected officials and citizens.
2. Establishes a basis for emergency planning.
3. Meets legal requirements.

This analysis reviews hazards in two major classifications: technological and natural.

Technological Hazards usually result from chemical emergencies and nuclear accidents. These hazards pose the most risk to people and are difficult to manage.

Natural Hazards result from geologic, weather, or seismic events. Researchers project that nationally; losses from these hazards will increase over the next ten years.

As the population moves into vulnerable areas, the risk to people and property increases. Local government uses a hazard analysis to plan for emergencies. Plans address specific functions critical to emergency response and recovery. The functions apply to any emergency regardless of the type of hazard:

- Management
- Communications
- Warning
- Information
- Evacuation
- Shelter
- Medical Care
- Public Works
- Law Enforcement
- Fire Protection
- Rescue
- Support Resources
- Human Services
- Continuity of Government
- Damage Assessment
- Hazardous Materials Protection

Clark County Physical Description

Clark County encompasses almost 8,000 square miles at the southern tip of Nevada. Boundaries exist with: 1) Nye County and Lincoln County, Nevada; 2) Mohave County, Arizona; and 3) San Bernardino County and Inyo County, California.

At the eastern county boundary, Hoover Dam and Davis Dam impound the Colorado River to form Lakes Mead and Mohave respectively. These navigable bodies of water are completely within the Lake Mead National Recreation Area and are under the administration of the National Park Service, U.S. Department of the Interior.

Two rivers, the Muddy and the Virgin, flow into northeastern Clark County and discharge into Lake Mead.

The topography consists of lowland basins, like the Las Vegas Valley, nested among north-south mountain ranges.

Inventory of Existing Conditions

- County Demographics -

The Las Vegas Valley is made up of unincorporated Clark County, City of Las Vegas, City of North Las Vegas, and City of Henderson. The City of Boulder City and the City of Mesquite are municipalities outside the urban valley. Clark County's towns range from the small Arizona border community of Laughlin, 95 miles south of Las Vegas, to the ranching and farming communities of the Virgin and Muddy River Valleys, 80 miles to the north.

- Clark County has been one of the fastest-growing areas in the country over the past decade.
- Tourism's economic impact in 2009 was \$36.7 billion. In 2005, there were 148,941 hotel and motel rooms in Clark County.
- Clark County responds to the needs of about 832,310 residents in the urban unincorporated area. The City of Las Vegas services 607,876 residents, City of Henderson 275,134 residents, City of North Las Vegas 221,003 residents, Boulder City 16,511 residents and Mesquite 21,253 residents.

Hazards Identification

This section of the Clark County Local Emergency Planning Committee (LEPC) Hazardous Materials Emergency Response Plan (LEPC Haz/Mat Plan) provides an overview of the information provided by industry to identify the facilities and transportation routes where hazardous substances are present.

The County is subject to a variety of natural and technological manmade, hazards. The primary hazards, listed alphabetically, are:

Natural Hazards:

- Avalanche
- Earthquake
- Epidemic
- Fires
- Floods
- Storms & Severe Heat
- Volcanic Ash Fallout
- Water Shortages

Technological Hazards:

- Aircraft Accidents
- Civil Disturbance
- Cyber terrorism
- Dam Failure
- Explosions
- Fire
- Fuel & Utilities Shortages and Disruptions
- Hazardous Materials
- Radiological
- Terrorism (including biological)
- Water System Failures

In the unlikely event of a threat of nuclear attack, measures to protect residents and minimize their exposure to effects from the blast, shock wave, thermal radiation, and radioactive fallout would be implemented. Actions include, but are not limited to, the designation of evacuation routes and evacuation sites, and the establishment of shelters. In the event of a nuclear explosion, steps to determine exposure rates by using radiological survey instruments would be put into place. For additional information please refer to the Clark County EOP "Overview of Clark County and Hazards Occurrence."

Hazardous Materials

In November of 1986, Congress passed the Emergency Planning and Community Right-to-Know Act (EPCRA), a law designed to help America's communities deal safely and effectively with the many hazardous substances that are used throughout our society. A copy of the EPA's "Chemicals in Your Community, A Guide to the Emergency Planning and Community Right-To-Know Act," is on file at the Clark County Office of Emergency Management.

In brief, the law requires the Clark County LEPC to exercise, review annually, and update the LEPC's emergency response plan. A copy of the Clark County LEPC Hazardous Emergency Response Plan is on file at the Clark County Office of Emergency Management, 500 S. Grand Central Parkway, 6th floor, Las Vegas, NV 89106. Phone: (702) 455-5710 and is available in PDF format at http://www.co.clark.nv.us/Administrative_services/oem/Plans.htm web site.

A list of Extremely Hazardous Substances (EHS) identified by the Environmental Protection Agency (EPA) as having immediate health effects and hazardous properties serve as the primary focus for the Clark County LEPC's emergency response planning effort.

There are three classification levels for hazardous materials incidents. They are designated as Level I, II, and III Hazardous Materials Incidents. Refer to the Clark County LEPC Hazardous Materials Emergency Response section for specific information on each classification level.

Transportation

Major Highways

There are four major highways in Clark County: Interstate Highway I-15, U.S. Highway 95, U.S. Highway 93, and I-215 known as the Beltway. The Interstate I-15 connects the Las Vegas Valley with St. George & Salt Lake City, Utah toward the northeast and Barstow & San Bernardino, California toward the southwest. U.S. Highway 95 connects the Las Vegas Valley with Indian Springs and the Nevada National Security Site (NNSS) to the North West and Laughlin Nevada toward the South. U.S. Highway 93 connects the Las Vegas Valley with Ely & Caliente Nevada toward the north and Hoover Dam (U.S. 515) & the City of Boulder City and Kingman, Arizona toward the west. The I-215 Beltway consists of three connected segments (northern, western, and southern) that together form a freeway ring or loop around a major portion of the Las Vegas Valley. The interchange between Interstate Highway I-15 and U.S. Highway 95 is commonly known as the Spaghetti Bowl.

A hazardous commodity flow survey was conducted in 2008 to identify and document the type and volumes of hazardous materials moving within, to, through, and from specific geographic locations. The following information is from that document.

Figure 1. Route Potential for Truck HAZMAT Flows- Clark County



Figure 2.1, 2.2 & 2.3. Proportional Truck HAZMAT Routing Distribution Clark County, 2005 & 2008

Figure 2.1

Proportion of 2005 HazMat Tons by Truck in Clark County

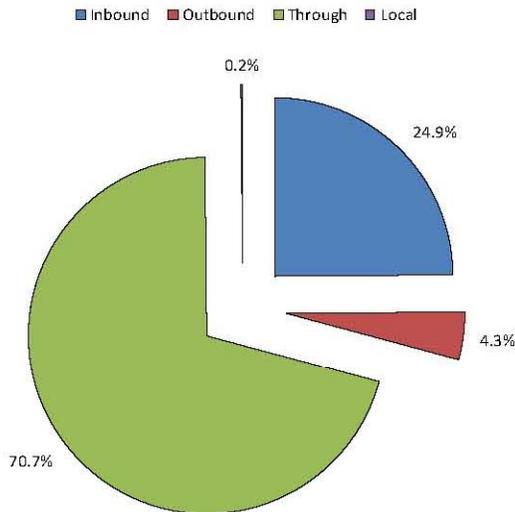


Figure 2.2

Proportion of 2008 HazMat Tons by Truck in Clark County

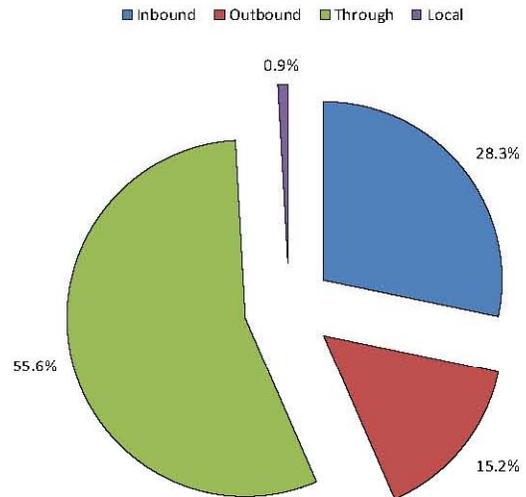


Figure 2.3

Direction	Tons (2005)	Tons (2008)	Loads (2005)	Loads (2008)	% Tons (2005)	% Tons (2008)	% Loads (2005)	% Loads (2008)
Inbound	1,473,659	752,464	61,915	33,460	24.9%	28.3%	22.5%	26.9%
Outbound	255,328	404,884	12,190	16,424	4.3%	15.2%	4.4%	13.2%
Through	4,185,906	1,481,020	200,309	73,717	70.7%	55.6%	72.9%	59.2%
Local	9,455	23,727	422	945	0.2%	0.9%	0.2%	0.8%
Total	5,924,348	2,662,094	274,836	124,546	100.0%	100.0%	100.0%	100.0%

The most frequent mode for transportation of hazardous materials is on one of our four major highway systems. All shipments of radioactive materials, whether from industry or government, must be packaged and transported according to strict federal regulations. These regulations protect the public, transportation workers, and the environment from potential exposure to radiation.

The types of packaging used are determined by the activity, type, and form of the radioactive materials to be shipped. Depending on these factors, radioactive materials are shipped in one of three types of containers: strong tight packages, type A packaging, or type B packaging, the latter being the highest test standard packaging used for relatively high level radioactive materials.

Industrial packages are used to transport materials that present low hazards because of their low concentrations of radioactive material. Examples are consumer goods, such as smoke detectors. Type A packages are used to transport small quantities of radioactive material. One example is radiopharmaceutical drugs used for medical procedures at

hospitals and universities. Materials with higher levels of radioactivity are transported in type B packages.

Distinctive markings and labels on packages identify radioactive material shipments. A placard on each side of the vehicle identifies certain types of radioactive shipments. Packages of radioactive materials are labeled with a Radioactive I, II, or III label depending on the activity levels of the materials. Radioactive material shipments are identified by diamond shaped placards on all four sides of the vehicle.

Figure 3.1 & 3.2. Clark County HAZMAT Proportional Volume by STCC Class, Clark County, 2005 & 2008

Figure 3.1

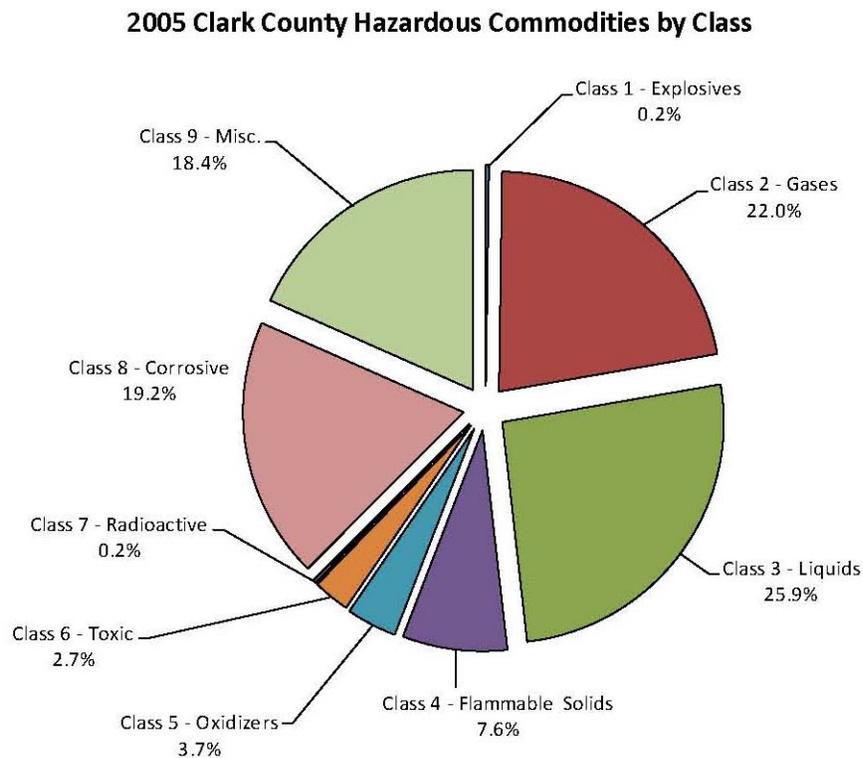
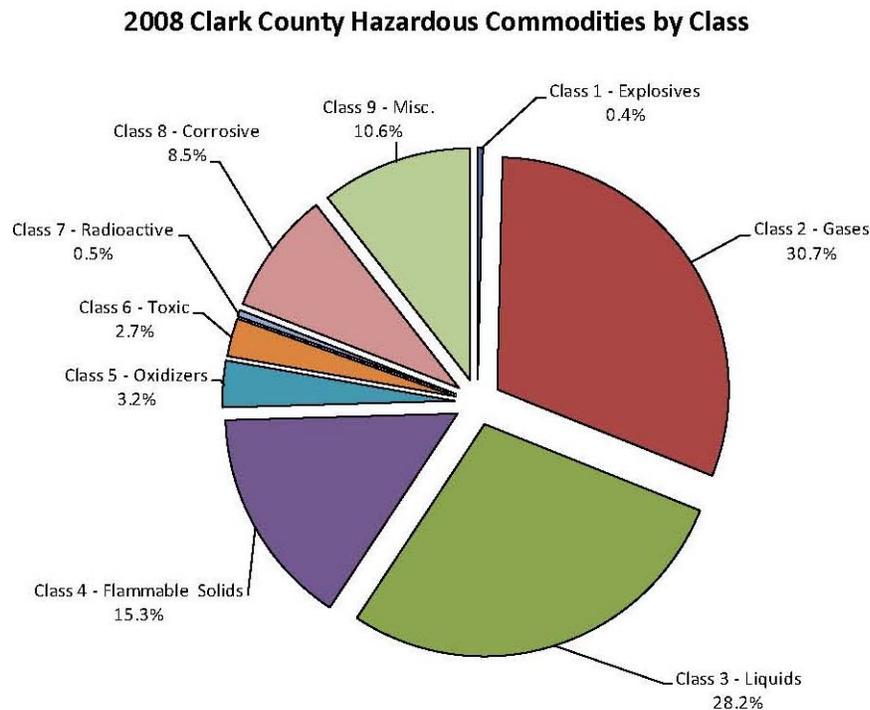


Figure 3.2



Transportation, use, and disposal of radioactive material creates problems because of the long life of most radioactive materials. Although precautions are taken in packaging the materials, there is still concern that transportation accidents and other hazards, such as earthquakes near disposal sites, could cause radiation exposure or pollution.

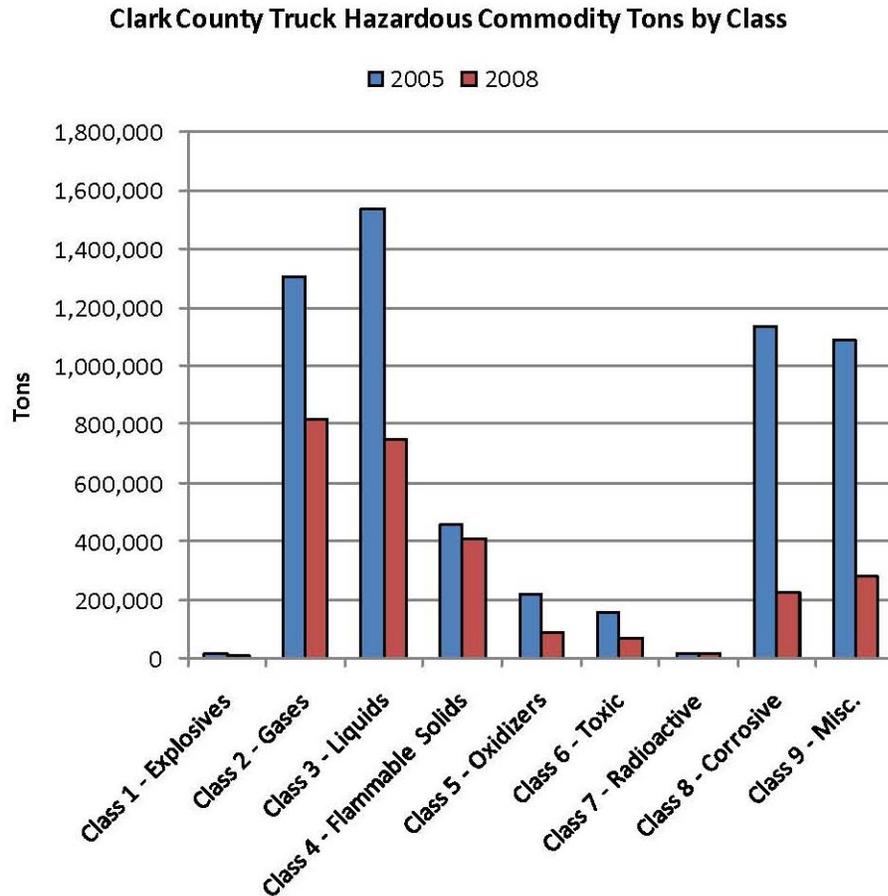
When someone is exposed to radioactive materials, the primary concern becomes the biological effects of ionizing radiation. Biological effects may include radiation sickness and death. Large "acute exposure" and long term "chronic exposure" may also result in cancer after a number of years have passed.

Local police and/or the Nevada Highway Patrol are usually the first on scene in the event of most transportation accidents. When such accidents involve radioactive materials, first responders implement radiation exposure reduction techniques including the use of time, distance and shielding principles.

For all nuclear waste incidents that occur anywhere within the State, the Radiological Health Section of the State Health Division has the primary authority in accordance with Nevada Revised Statutes (NRS) 459. The Radiological Health Section has offices in Carson City and Las Vegas and can be reached 24 hours daily by calling (775) 688-2830. Nevada Highway Patrol dispatch is utilized for initial notification after hours.

Figure 4.1. Truck HAZMAT Tons, Loads by HM Class – Clark County, 2005 & 2008

Figure 4.1



The Clark County Department of Comprehensive Planning's Nuclear Waste Division commissioned the Hazardous Commodity Flow by Truck on Clark County Highways 2008 report. The report is on file at the Clark County Office of Emergency Management, 575 East Flamingo Road, Las Vegas, NV 89119. Phone: (702) 455-5710 and is available in PDF form online at:

http://www.clarkcountynv.gov/Depts/comprehensive_planning/nuclear_waste/Documents/Studies/HazardousCommodityFlowsbyTruck.pdf

Railroad Transportation

Two Union Pacific (UP) Railroad main lines cross Nevada. The first runs across northern Nevada, linking central California with Salt Lake City. The other runs through the southern part of the state, including the Las Vegas Valley. The southern line connects Los Angeles - Long Beach with Salt Lake City and UP's transcontinental line to eastern destinations.

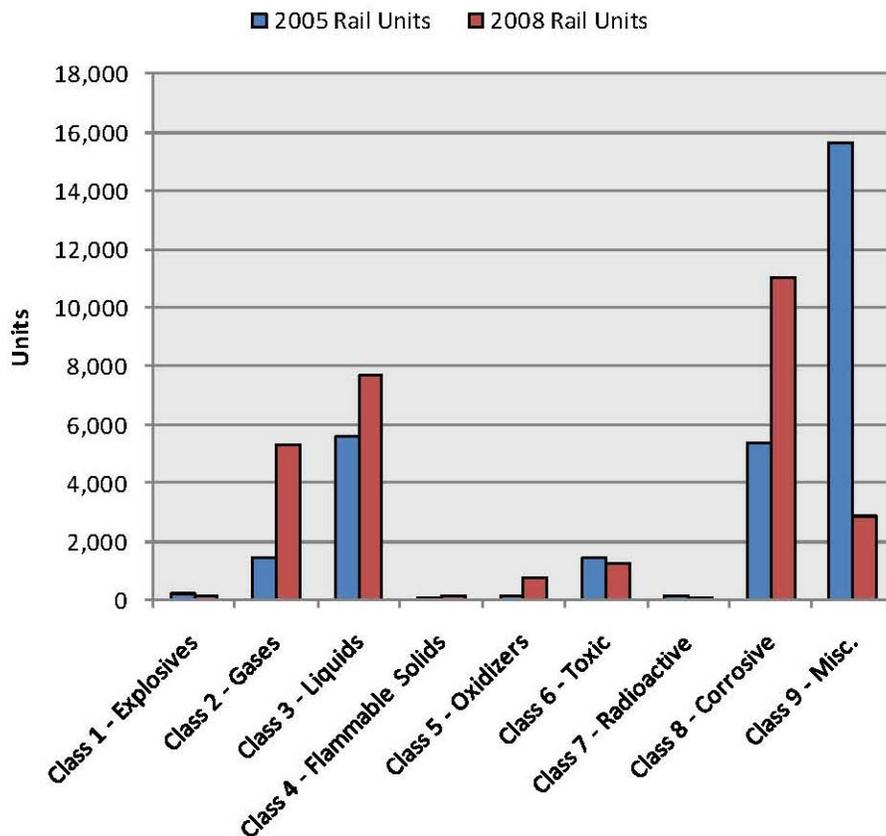
Major commodities handled by the railroad include coal, chemicals, aggregates, lumber, and consumer goods. In southern Nevada, Union Pacific plays a key role in the construction boom in Las Vegas since the railroad is the primary conduit for building materials. The UP Railroad is an important link to markets for the industrial complex at nearby Henderson. The railroad also serves the power plant in Moapa, Nevada. The railroads' top customers in Nevada include NV Energy, Olin Chlor Alkali Products, and General Motors. Union Pacific maintains crew change points and related facilities in Las Vegas.

Presently, there are plans to build a rail transfer station in the City of North Las Vegas at Lamont and El Compo Grande. The purpose of this station is to transfer bulk chemical packages from railway lines to truck ground transportation. It is anticipated that these chemicals will include highly corrosive acids that will impose a high threat for a hazardous materials incident.

Rail shipment information is available through Union Pacific Railroad. Please contact Sandy Covi - Manager, Hazardous Materials at # (402) 544-4981. The following information on railroad shipments was generated from a Hazardous Commodity Flow Survey in 2008.

Figure 5.1. Rail HAZMAT Commodities, Units by Class – Clark County, 2005 & 2008

Figure 5.1 Clark County Rail hazardous Commodities Class Share (Units), 2005 and 2008



In Clark County we have three railway lines. The **Boulder Junction - Henderson, NV** is the line segment from the Southern Line of Union Pacific Railroad to Henderson and Boulder City. The **Las Vegas, NV - Daggett, CA** is the line segment of the Southern line of the Union Pacific railroad connects Las Vegas and Daggett, CA. The **Las Vegas, NV - Moapa, NV** is the line segment of the Northern line of Union Pacific Railroad connects Las Vegas and Salt Lake City, UT.

The Clark County Department of Comprehensive Planning's Nuclear Waste Division commissioned the Hazardous Commodity Flow by Truck on Clark County Highways 2008 report. The report is on file at the Clark County Office of Emergency Management, 575 East Flamingo Road, Las Vegas, NV 89119. Phone: (702) 455-5710 and is available in PDF form online at:

http://www.clarkcountynv.gov/Depts/comprehensive_planning/nuclear_waste/Documents/Studies/HazardousCommodityFlowsbyRail.pdf

Airports

The Clark County Department of Aviation (DOA) operates the McCarran International Airport (McCarran) and five general aviation airports: the North Las Vegas Airport, Henderson Executive Airport, Jean Sport Aviation Center, Overton - Perkins Field, and the Searchlight Airfield.

According to the Airport Council International (ACI), McCarran is ranked eighth in the United States in terms of total passenger volume per year. In 2011, McCarran provided airport services to more than 41 million passengers.

In addition to DOA properties, there are five other general aviation airports located in the County. Boulder City Airport, City of Mesquite Airport, Bull Head City/Laughlin Airport, and Echo Bay which is a landing strip operated by the U.S. National Park Service.

The U.S. Air Force operates the Nellis Air Force Base (NAFB). This military base provides ongoing U.S. Air Force weapons and combat training in addition to other strategic military business. Additionally, NAFB is the home of the "Thunderbirds" precision flying team. The USAF also operates Creech Air Force Base at Indian Springs, home of the "Predator" unmanned aircraft. Contact the Command Post at Nellis AFB for emergency notifications to both Nellis and Creech Air Force Bases.

Pipelines

There are four (4) major petroleum product pipelines in Clark County, Nevada. The Kern River Gas Transmission Company is a high-pressure natural gas transmission pipeline. Southwest Gas Corporation operates another natural gas pipeline that supplies most of the Las Vegas Valley's natural gas needs. The UNEV (Utah-Nevada) Pipeline operates a transmission petroleum pipeline from Salt Lake City to Las Vegas. The Apex Terminal has multiple grades of gasoline and diesel fuel. Finally, Kinder Morgan CALNEV Pipeline operates a petroleum pipeline network that supplies the McCarran International Airport and the Las Vegas Terminal with diesel, multiple grades of gasoline, and aviation fuel.

To prevent construction damage to existing pipelines, the Nevada One Call law was adopted. Nevada Revised Statutes (NRS) 455.80 - 455.180 requires Nevadans to call 1-800-227-2600 before they start digging, blasting, drilling, or any other kind of excavating. Compliance with the law prevents new construction caused pipeline accidents.

Major Industrial Site

The Black Mountain Industrial (BMI) site is located in a Clark County island surrounded by the City of Henderson. The BMI site is home to Tronox (formerly Kerr-McGee Chemical Corporation LLC), Titanium Metals Corporation (TIMET), Olin Chlor Alkali Products, and Saguaro Power Company.

Other Fixed Facilities

Each fixed facility listed in table titled, *Locations of Extremely Hazardous Substances and Hazard Zones for Fixed Facilities by Chemical*, (Appendix 1), has the requirement to establish emergency response procedures, including evacuation plans, for dealing with accidental chemical releases. The facility plan sets up the notification procedures for those facility personnel who will respond to an emergency. The plan establishes the method(s) for determining the occurrence and severity of a release and the areas and populations likely to be affected at the facility. The facility plan identifies the emergency response equipment, if any, available at the facility. The facility conducts training and exercise programs with a general training schedule for the facility responders. The facility identifies coordinators to carry out the facility plan. Finally, the facility plan provides the method for contacting or notifying the local first response agency that is, in most cases, the local Fire Department.

Facilities listed in Appendix 1 have provided the Clark County LEPC with a list of extremely hazardous substances, in amounts at or above the Threshold Planning Quantity (TPQ), present at their facility. This information was obtained from the Nevada Combined Hazardous Materials Reporting System. Facilities submit information on an annual basis to this online database system.

Wellheads

A major concern for water wells and water purveyors is the potential for spills of hazardous materials on top of the ground, and what those incidents might create in terms of hazards for water users. Information on this subject is in the Wellhead Protection Element to the Clark County Comprehensive Plan, produced and maintained by the Clark County Comprehensive Planning Department. This document is on file at the Clark County Office of Emergency Management, 575 East Flaming Road, Las Vegas, NV 89119 Phone: (702) 455-5710 and is available in PDF form online at: http://www.clarkcountynv.gov/Depts/comprehensive_planning/advanced_planning/Documents/WellheadProtectionReport.pdf

Nevada National Security Site (NNSS) – Low-Level Radioactive Waste Shipments

A significant amount of low-level radioactive waste travels through Clark County during its journey to the Nevada National Security Site (NNSS). Potential dangers posed by radioactive waste are typically concentrated in the immediate vicinity of the disposal sites or along the transportation routes.

The NNSS is located approximately 65 miles north of Las Vegas, in Nye County, Nevada. The closest Clark County community to the NNSS is the rural unincorporated town of Indian Springs, about 20 miles from the NNSS. Under the terms of the current Nevada Test Site RCRA permit, mixed low-level waste disposal is limited to either 20,000 cubic meters (706,293.33 cubic feet) of low-level radioactive material or until December 2010, a permit application to construct a new mixed low-level waste for disposal beyond 2010 has been approved.

The DOE has pending two draft environmental impact statements, one for “Greater than Class C” waste as well as a Site Wide environmental impact statement (SWEIS) which is considering various alternatives for uses of the NNSS. The actions resulting from those environmental impact statements are likely to increase shipment frequency and/or volume over the next decade. According to the Greater than Class C EIS, there is a potential for 12,600 total truck shipments. In addition, the DOE plans approximately 403 (many overweight) shipments of U-233 to the NNSS over the next decade. Using the Expanded Alternative (worst case scenario) in the SWEIS, over the period covered in the SWEIS, Clark County can expect to experience 81,000 shipments, approximately 130 trucks per along U.S. 95, to transport 37 million cubic feet of low level waste, 11 million cubic feet of mixed low level waste, and 9,600 cubic feet of transuranic waste.

During FY 2012, the cumulative LLW volume received at the NNSS was 785,579 cubic feet and the cumulative mixed low-level waste volume received was 41,531 cubic feet. The NNSS expects to receive approximately 284,276 cubic feet of low-level and mixed low-level waste for disposal during the first quarter of FY2013 with a projected volume of just over 910,000 cubic feet. The outlook for FY2014 estimates 843,071 cubic feet of low level waste, including 245,798 of mixed low level waste.

Transport of High Level Radioactive Waste Through Clark County

In 2002, the United States Congress overrode the Governor of Nevada's veto of the selection of Yucca Mountain as the site for a high radioactive waste repository. If the site is ever licensed by the U.S. Nuclear Regulatory Commission, the Yucca Mountain site will be used to store 77,000 metric tons high level radioactive waste and spent nuclear fuel currently located at nuclear reactor sites across the county as well as defense nuclear waste. On June 3, 2008, the U.S. Department of Energy (DOE) submitted a license application seeking authorization to build a geologic repository to the Nuclear Regulatory Commission. On February 1, 2010, the Obama Administration released the Federal Fiscal Year 2011 national budget, which included the elimination of all funding for continuation of the project. On March 3, 2010, the DOE filed a Motion to Withdraw the license application. Currently, activities related to the license application, transportation, and public safety and security plans have been suspended. The future of the project remains uncertain at this time. The Nuclear Regulatory Commission has suspended all work on the license application citing budget constraints. In January 2011, the Blue Ribbon Commission on America's Nuclear Future identified a path forward and the U.S. Department of Energy is moving forward with developing plans based on those recommendations. The U.S. Congress has not funded the Yucca Mountain Project for the past three fiscal years. Final action on whether or not to proceed with licensing of the Yucca Mountain site as a nuclear waste repository will be decided by the the United States Congress through the appropriations process, and/or DC Circuit Court of Appeals some time in the coming year.

If the project moves forward, it is the U.S. Department of Energy's (DOE) intent was to transport most of the waste by railroad, although is likely that large quantities of this waste would also be transported through Clark County.

The DOE's transportation plan is vague when describing specific routes, exact quantities of waste and the percentage of waste that would be transported via truck or rail. The Caliente Corridor Record of Decision (ROD) completed in 2004 and the DOE's application to the U.S. Surface Transportation Board for authorization to construct a 319-mile rail line through Nevada to Yucca Mountain remains pending.

Until such time as the Nuclear Waste Policy Act of 1987 is repealed, Southern Nevada remains the singular designated final storage site for military and civilian high-level nuclear waste.

Incident Command for Hazardous Materials Incidents

The use of the Incident Command System (ICS), in accordance with the National Incident Management System (NIMS), is the protocol for hazardous materials incident response. The Incident Commander (IC) will be the designated fire department officer responsible for mitigating the hazards at the scene of a hazardous materials incident. Upon arrival, the Incident Commander will secure and maintain immediate control until the situation has been abated.

- The Fire Department having jurisdiction will accept and provide the position of Incident Commander for the scene of all hazardous materials incidents. The fire department will coordinate and direct within its control all fire department activities within its jurisdiction and responsibility to include, but not be limited to, rescue and first aid, product identification, scene stabilization and management, suppression activities, protection of exposures, containment, agency notification, scene isolation, personnel protection, and decontamination.
- The Incident Commander will report to and function through the Fire Chief, if the Emergency Operations Center is activated.

The City of Las Vegas Fire Department maintains a specially trained Hazardous Material Response Team for the specific purpose of responding to chemical emergencies. This HMRT, in association with any developing HMRT, can provide expertise and equipment especially developed to help control and abate a hazardous material incident.

The captain of the Hazardous Materials Response Team will report to and function through the fire department Incident Commander.

AGENCY DUTIES

AGENCY DUTIES

ORGANIZATIONAL ROLES AND RESPONSIBILITIES

COUNTY AND MUNICIPAL GOVERNMENTS

The functions of Emergency Coordinators, Fire Departments, Law Enforcement, Health Districts, and other Public Agencies are outlined in the Response Section.

OFFICIALS OF FIXED FACILITIES AND/OR TRANSPORTATION COMPANIES

1. Several private companies within the County possess specialized expertise and equipment for hazardous materials emergencies. These companies are identified in the Emergency Assistance Telephone Directory and/or Resource Management Section.
2. The Emergency Planning and Community Right-to-Know Act of 1986 (SARA Title III) imposes certain State and Local community notification and emergency planning requirements on firms manufacturing, using, or transporting extremely hazardous substances. The LEPC and each jurisdiction's Fire Departments work closely with firms subject to these requirements. Facilities subject to community notification and emergency planning requirements, specifically those reporting Extremely Hazardous Substances (EHS's) over Threshold Planning Quantities (TPQ's) are required to maintain emergency operations plans and those plans are available at each facility.

NEIGHBORING COUNTIES OR MUNICIPALITIES

This plan and its updates are coordinated by the LEPC with neighboring counties to ensure that they are supportive.

INDIAN TRIBES

The Las Vegas Band of Paiutes, Moapa Band of Paiutes, and Fort Mohave Indian Tribe within Clark County are invited to voluntarily take part in emergency preparedness by participating in the Clark County LEPC.

STATE GOVERNMENT

1. Nevada Division of Emergency Management (NDEM): The NDEM is, under Nevada Law, the coordinating agency for State emergency response. Assistance for hazardous materials releases from State and Federal sources can be obtained by contacting the NDEM through the local Office of Emergency Management.
2. Nevada Division of Environmental Protection (NDEP): the NDEP regulates hazardous waste, provides advice on environmental matters, conducts sampling for chemical tests, and makes final decisions on clean-up operations. Also, NDEP can assist in environmental crime investigations.

3. Nevada Division of Health: The Division of Health is responsible for public health and can be utilized to test for contamination resulting from chemicals or organisms. In addition, there are two other sections of this Division that can be of assistance:
 - A. Radiological Health is responsible for incidents involving radioactive materials.
 - B. Emergency Medical Services can assist in the coordination of emergency medical responses when local resources cannot cope.
4. Nevada Department of Transportation (NDOT): NDOT has highway maintenance yards throughout the state with heavy equipment and other resources. NDOT has the power to close highways under its jurisdiction to traffic.
5. Nevada Department of Motor Vehicles and Public Safety (DMV): DMV controls the licensing and regulation of commercial carriers throughout the state. The Nevada Highway Patrol (NHP) is part of this Department and enforces highway transportation regulations in the state. NHP also controls the State Law Enforcement Communications Net that may be used for emergency communications.
6. State Emergency Response Commission: SERC is a source of state and federal funding specific to the maintenance of LEPC's and planning, training, equipping and exercising of local hazardous materials response teams and plans. Amongst administrative requirements for funding eligibility is the annual review and updating of local hazardous materials response plans.

FEDERAL GOVERNMENT

1. Environmental Protection Agency (EPA): The EPA is responsible for environmental matters at the Federal level. Support available to the state includes; sending technical teams and on-scene coordinators to the sites of releases or dumps, providing advice, and enforcing violations of environmental laws. EPA clean-up teams can be utilized to clean-up areas of immediate concern to life and the environment. The Radiation and Indoor Environments National Laboratory can provide teams to respond to potential radiological emergencies. The Radiation and Indoor Environments National Laboratory can also provide a completely self-contained mobile laboratory. The laboratory is capable of providing a wide range of radiation analyses.
2. Federal Bureau of Investigation (FBI): The FBI environmental crime unit is available in Clark County. The unit can bring other FBI resources to support state and local jurisdictions if a criminal case warrants such support.
3. Department of Homeland Security, through its Federal Emergency Management Agency (FEMA): FEMA provides coordination on the Federal level and funds training classes. FEMA provides grants for training under the provisions of Title III.
4. Department of Transportation (DOT): The DOT publishes many hazardous materials publications that are available to local responders. The Coast Guard, under the DOT, provides hazardous materials response teams in some cases. The team serving Clark County is the Pacific Strike Team.

5. Department of Defense (DOD): The primary support available from DOD is in the area of explosive ordinance disposal (EOD).

6. National Nuclear Security Administration and Nevada Site Office (NNSA/NSO): The NNSA, Nevada Site Office (NNSA/NSO), by agreement with NDEM, provides radiological assistance to the State when requested. DOE/NV also provides radiological training to the NHP and selected law enforcement and fire depts. The Nevada Operations Office (NVOO) has limited chemical cleanup abilities as well.

7. Drug Enforcement Administration (DEA): The DEA provides specialists to investigate suspected drug laboratories or chemical dumps.

PREDETERMINED ARRANGEMENTS

The formal agreements between agencies, the County and the State, or between Departments, are maintained at those Departments or Agencies.

OUTSIDE RESOURCES

Local jurisdictions must coordinate requests for State and Federal resources through Clark County Office of Emergency Management and Homeland Security. The Nevada Division of Emergency Management will coordinate requests to the Federal level and coordinate deployment of State resources.

AGENCY RESPONSIBILITIES

FIRE AND RESCUE

Approach the scene in accordance with Department guidelines for hazardous materials incidents. Assume incident command, or if responding at the request of the Lead Agency, report following the guidelines of the Incident Command System in accordance with the National Incident Management System.

Determine or verify the type of material(s) involved and the exact nature of the hazard.

Notify appropriate Emergency Management Coordinator about the status and nature of the emergency.

Identify and communicate resource needs to Emergency Operations Center liaison (if EOC is activated).

Notify required support agencies to report to the incident according to ICS procedures.

Perform necessary stabilization, containment, decontamination, or fire-fighting procedures as required.

Maintain control of incident until emergency phase is over.

Notify the responsible party (if known) for clean-up and removal of any waste. (This will be addressed in Department guidelines)

Maintain records of costs for future recovery from responsible parties.

LAW ENFORCEMENT

Respond to the scene and perform duties in accordance with Department guidelines for hazardous materials incidents and in accordance with the guidelines of the Incident Command System as prescribed in the National Incident Management System.

Secure the area of the incident from public access. Allow only responding agencies or those persons with fire-line passes to gain access to the command post.

Conduct evacuations as defined in department guidelines.

Control traffic, secure the perimeter of evacuated areas, and protect property where practical and safe.

Maintain records of costs for future recovery from responsible parties.

REGIONAL TRANSPORTATION COMMISSION

Respond to the incident per department guidelines and report following the guidelines of the Incident Command System in accordance with the National Incident Management System.

Assist law enforcement personnel in the transportation of persons away from any areas identified for emergency evacuation.

HEALTH DISTRICT AND ENVIRONMENTAL HEALTH

Respond to the incident per department guidelines and report following the guidelines of the Incident Command System in accordance with the National Incident Management System.

Perform Water and Soil Sampling as required by the incident and the Incident Commander, using department guidelines.

Evaluate the hazards to surrounding residents, looking for possible secondary hazards to the community.

Determine, evaluate, and offer advice on airborne hazards, water contamination, solid waste, hazardous containment or other similar hazards, and provide advice to prevent further contamination.

Assist in the activation of State or Federal resources for environmental clean-ups.

Notify water system users (IE: Waste Water Plants, Public Works, Water District) when contamination is entering their waterways.

Maintain records of costs for future recovery from responsible parties.

COMMUNITY EMERGENCY MANAGEMENT COORDINATOR (INVOLVED JURISDICTION)

Activate the Emergency Operations Center (EOC) when warranted by the incident/disaster; or when responding to a request by an Incident Commander.

Determine whether all appropriate and concerned agencies have been notified, and notify them if they have not.

Provide advice and support to the jurisdiction's governing body and Chief Executive Officer or their designee.

Notify the Clark County Office of Emergency Management and Homeland Security if requesting County, State or Federal assistance.

Notify the National Response Center if applicable.

Assist in the coordination of involved agencies. Coordinate mitigation of the incident until completed.

Assist local agencies in preparing and submitting claims for cost recovery where applicable.

Maintain records of costs for future recovery from responsible parties.

COUNTY AND CITY GOVERNMENTS

Mayors and the Board of County Commissioners are responsible for policy issues. In addition, they are responsible for declarations of emergencies, proclamations regarding emergencies, and for pursuing State and Federal Assistance in the event of a disaster.

PUBLIC WORKS

Provide heavy equipment, sand, traffic control devices and other materials available.

CLARK COUNTY SCHOOL DISTRICT

Provide for the safety of schools in a hazardous materials incident by coordinating with the Incident Commander and then executing evacuation procedures or in-place sheltering as previously practiced in school drills.

May open schools outside the affected area for use as evacuation centers, care centers, and other needs.

May provide buses and drivers for use by the Incident Commander in the evacuation of the general public.

AMERICAN RED CROSS

Provide assistance to evacuees. Operate evacuation centers per existing agreements.

Assist evacuees with material, personal and family needs through coordination with other human services agencies.

Coordinate available resources of other volunteer organizations as Active in Disaster.

Other duties as appropriate and available.

CLARK COUNTY SOCIAL SERVICE DEPARTMENT

Provide social service assistance to victims of a hazardous materials incident. Coordinate with other human services agencies.

CORONER'S OFFICE

Coordinate with the lead agency in implementing procedures for handling an incident with one or more fatalities.

Provide identification and next-of-kin notifications and other services related to coroner activities.

Join forces with Incident Command staff to determine when it is safe for death investigators to perform their duties.

WATER RECLAMATION/SANITATION DEPARTMENTS

Coordinate with the lead agency to prevent contamination of sewer systems or make use of sewers for waste disposal as appropriate.

FLOOD CONTROL DISTRICT/MUNICIPAL STORMDRAIN SYSTEM

Coordinate with lead agency to prevent contamination of the storm drain system or flood control facilities.

WATER DISTRICT AND MUNICIPAL WATER SYSTEMS

Coordinate with the lead agency to prevent contamination of municipal water supplies.

POWER COMPANIES

Coordinate with the lead agency and be prepared to shut off service to affected areas as requested by the Incident Commander.

GAS COMPANIES

Coordinate with the lead agency and be prepared to shut down gas lines at the request of the Incident Commander.

Provide combustible-gas meters as needed.

TELEPHONE/COMMUNICATIONS COMPANIES

Coordinate with the lead agency and be prepared to set up temporary phone lines for a command post, or provide other phone services upon request and if available.

PRIVATE COMPANIES

Private companies with chemical response capabilities or technical expertise may provide those services to the Incident Commander upon request.

ALL AGENCIES

All Agencies and Departments should maintain records of their costs for future recovery from responsible parties.

INTERNAL GUIDELINES

Each entity participating in this plan will develop its own internal operating guidelines that support this plan. Those operating guidelines will be maintained at the individual entities.

TELEPHONE DIRECTORY

**HAZARDOUS MATERIALS EMERGENCY ASSISTANCE
TELEPHONE DIRECTORY**

<u>AGENCY</u>	<u>GENERAL #</u>	<u>24 HOUR #</u>
<u>EMERGENCY SPILL REPORTING FROM</u>		
METROPOLITAN LAS VEGAS AREA		911
BOULDER CITY / HENDERSON / NORTH LAS VEGAS		911
MESQUITE		911
LAUGHLIN		911
TTY		911
 <u>RURAL AREAS</u>		
BLUE DIAMOND / MT. SPRINGS		911
CAL-NEV-ARI		911
INDIAN SPRINGS		911
JEAN / GOODSPRINGS / PRIMM		911
LOGANDALE / MOAPA / OVERTON / GLENDALE		911
MT. CHARLESTON		911
NELSON / SEARCHLIGHT/COTTONWOOD COVE		911
SANDY VALLEY		911
BUNKERVILLE		911
MOAPA RIVER INDIAN RESERVATION TRIBAL POLICE		702-397-9111
NEVADA HIGHWAY PATROL		911
INTERSTATE/STATE HIGHWAYS	702-486-4100	775-688-2830
<u>REPORTABLE QUANTITIES NOTIFICATIONS:</u>		
LOCAL EMERGENCY PLANNING COMMITTEE (LEPC)		(702)382-3000
FERNANDEZ LEARY, CHAIRMAN	(702)455-5710	(702)219-7368
(ALERT THE LEPC THROUGH THE CLARK COUNTY OFFICE OF EMERGENCY MANAGEMENT STAFF)		
STATE EMERGENCY RESPONSE COMMISSION (SERC)		775-684-7511
NATIONAL RESPONSE CENTER AND TERRORIST HOTLINE		800-424-8802
<u>NEVADA ADMIN. CODE 445 SPILL REPORTING FOR ANY QUANTITY</u>		
NEVADA DIVISION OF EMERGENCY MANAGEMENT	775-687-0300	775-688-2830
NEVADA DIVISION OF ENVIRONMENTAL PROTECTION	775-687-4670	888-331-NDEP
LAS VEGAS OFFICE	486-2850	800-992-0900

<u>AGENCY</u>	<u>GENERAL #</u>	<u>24 HOUR #</u>
<u>RELATED AGENCIES</u>		
ALCOHOL, TOBACCO, AND FIREARMS, U.S.	387-4600	925-479-7600
BUREAU OF LAND MANAGEMENT, U.S. Fire Dispatch	515-5000	293-8998 631-2350
DEPARTMENT OF ENERGY, U.S. NNSA/NSO(NEVADA SITE OFFICE)		202-586-8100 295-0295
DEPARTMENT OF TRANSPORTATION, U.S. AIRLINE CONCERNS (FAA) PIPELINE CONCERNS RAILWAY CONCERNS (OMAHA, NEBRASKA) EMERGENCY RESPONSE (OMAHA, NE)	202-366-4595	310-725-3300 888-877-7267
DRUG ENFORCEMENT ADMINISTRATION, U.S.	759-8000	
E.P.A. REGION IX, PACIFIC SOUTHWEST REGION E.P.A. Emergency Response Team West	415-947-8000 784-8003	800-300-2193 732-321-6660
FEDERAL BUREAU OF INVESTIGATION, U.S.		385-1281
FEDERAL EMERGENCY MANAGEMENT AGENCY, U.S. REGION IX, SERVING AZ, CA, GUAM, HI, NV		510-627-7100
TOXIC SUBSTANCE AND DISEASE REGISTRY		770-488-7100
NATIONAL RESPONSE CENTER		800-424-8802
POISON CONTROL CENTER		800-222-1222
SOUTHERN NEVADA HEALTH DISTRICT EMS ENVIRONMENTAL HEALTH SOLID WASTE & COMPLIANCE EPIDEMIOLOGY NURSING AND CLINICS OFFICE OF PUBLIC HEALTH PREPAREDNESS SOUTHERN NEVADA PUBLIC HEALTH LABORATORY	759-1050 759-0588 759-0600 759-1300 759-0883 759-1211/1671 759-1020	759-1000 759-1000 759-1000 759-1300 759-1000 759-1000 759-1020
AMERICAN MEDICAL RESPONSE		384-3400
MEDICWEST AMBULANCE	650-9900	792-9111
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT	455-3139	

<u>AGENCY</u>	<u>GENERAL #</u>	<u>24 HOUR #</u>
<u>EMERGENCY MANAGEMENT COORDINATORS (ALL 702 AREA CODES)</u>		
BOULDER CITY		
EMERGENCY MANAGEMENT COORDINATOR	293-9228	293-9224
CLARK COUNTY		
EMERGENCY MANAGER	455-5710	544-2133
HENDERSON		
EMERGENCY MANAGEMENT COORDINATOR	267-2212	267-4913
LAS VEGAS		
EMERGENCY MANAGEMENT OFFICER	383-2888	229-0407
LAS VEGAS METROPOLITAN POLICE DEPT.	828-2831	828-3111
MESQUITE		
EMERGENCY MANAGEMENT COORDINATOR	702-346-2690	702-346-6911
NORTH LAS VEGAS		
EMERGENCY MANAGEMENT COORDINATOR	633-1125	229-0407
<u>HUMAN SERVICES</u>		
AMERICAN RED CROSS		791-3311
NELLIS AIR FORCE BASE	652-2106	
SALVATION ARMY		657-0123
CLARK COUNTY SOCIAL SERVICES	455-5722	
CLARK COUNTY CORONER		455-3210
<u>MILITARY</u>		
NELLIS AIR FORCE BASE & CREECH AIR FORCE BASE		
OPERATOR	652-1110	652-2446
NELLIS FD		652-9630
NELLIS COMMAND POST	652-1859	652-2446
NEVADA NATIONAL GUARD	775-887-7200	
92 ND CIVIL SUPPORT TEAM (CST)		
COAST GUARD, U.S.	310-732-7380	

<u>AGENCY</u>	<u>GENERAL #</u>	<u>24 HOUR #</u>
<u>RADIOLOGICAL ASSISTANCE</u>		
STATE RADIOLOGICAL HEALTH		877-GET-RAD1
CARSON CITY	775-687-5394	775-688-2830
LAS VEGAS	486-5280	775-688-2830
UNITED STATES NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) NEVADA SITE OFFICE		295-0925
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY RADIATION AND INDOOR ENVIRONMENTS NATIONAL LABORATORY		800-424-8802
<u>STATE OF NEVADA</u>		
DIVISION OF EMERGENCY MANAGEMENT	775-687-0300	775-688-2830
DIVISION OF ENVIRONMENTAL PROTECTION	775-687-4670	888-331-NDEP
DIVISION OF FORESTRY – CARSON CITY	775-684-2500	775-883-5995
DIVISION OF HEALTH STATE HEALTH OFFICER	775-684-4200	
DEPARTMENT OF TRANSPORTATION	702-385-6500	702-385-6594
HIGHWAY PATROL	702-486-4100	775-688-2830
<u>STORAGE</u>		
U.S. ECOLOGY INC., BEATTY	775-553-2203	
<u>UNION PACIFIC RAILROAD</u>		
ROBERT BAVIER, MANAGER, CHEMICAL/TRANSPORTATION HAZMAT (COLTON, CA TO LAS VEGAS)	909-879-6339	888-877-7267
ST. LOUIS, MO-RISK MANAGEMENT NOTIFICATION CENTER		888- 877-7267
UNION PACIFIC RAILROAD POLICE - LAS VEGAS	(702)388-9272	888-877-7267
<u>WEATHER SERVICE</u>		
NATIONAL WEATHER SERVICE		(702)263-9750

<u>AGENCY</u>	<u>GENERAL #</u>	<u>24 HOUR #</u>
<u>ADVICE ON CHEMICALS</u>		
CHEMTREC		800-424-9300
CHEM-TEL, INC.		800-255-3924
INFOTRAC		800-535-5053
3E COMPANY		800-451-8346
MILITARY SHIPMENTS		
EXPLOSIVES/AMMUNITION INCIDENTS		703-697-0218
ALL OTHER DANGEROUS GOODS INCIDENTS		800-851-8061
<u>TELEVISION STATIONS (ALL 702 AREA CODES)</u>		
CHANNEL 3 KVBC (NBC) NEWSROOM	642-3333	657-3150
CHANNEL 5 (KVVU Fox 5) NEWSROOM	435-5555	436-8256
CHANNEL 8 KLAS (CBS) NEWSROOM	792-8888	792-8870
CHANNEL 13 KTNV (ABC) NEWSROOM	876-1313	871-3345
COX CABLE		383-4000
CHANNEL 15 UNIVISION (SPANISH SPEAKING STATION) NEWSROOM	(702)434-0015, EXT. 1030	
TELEMUNDO	(702)258-0039	
CITY OF LV CHANNEL	(702)2292222	
CLARK COUNTY TV	(702)455-3546	
CHANNEL 10 (PBS) KLVX	(702)799-1010	
<u>OSHA</u>		
DIVISION OF INDUSTRIAL RELATIONS OCCUPATIONAL SAFETY & HEALTH ENFORCEMENT		486-9020
<u>LAS VEGAS METROPOLITAN POLICE</u>		
DISPATCH OFFICE	(702)828-3111	311
EMERGENCY		911

CLARK COUNTY SCHOOL DISTRICT
 EMERGENCY ACTION LINE
 CLARK COUNTY SCHOOL DISTRICT POLICE

(702)799-4357
 (702)799-4357

<u>AGENCY</u>	<u>GENERAL #</u>	<u>24 HOUR #</u>
<u>EMERGENCY OPERATIONS CENTERS (ALL 702 AREA CODES)</u>		
CITY OF BOULDER CITY	293-9228	293-9224
CITY OF HENDERSON	267-2270	267-4913
CITY OF LAS VEGAS	229-0370	382-3000
CITY OF NORTH LAS VEGAS	633-1019	382-3000
CLARK COUNTY	455-5710	382-3000
LAS VEGAS METROPOLITAN POLICE		828-3111

HOSPITALS

POISON CONTROL CENTER		800-222-1222
BOULDER CITY HOSPITAL		293-4111
EMERGENCY DEPARTMENT		294-5751
CENTENNIAL HILLS HOSPITAL		835-8700
EMERGENCY DEPARTMENT		629-1210
DESERT SPRINGS HOSPITAL		733-8800
EMERGENCY DEPARTMENT		369-7647
NORTH VISTA HOSPITAL		649-7711
EMERGENCY DEPARTMENT		657-5512
MESA VIEW REGIONAL HOSPITAL		702-346-8040
EMERGENCY DEPARTMENT		702-346-4270
MIKE O'CALLAGHAN FEDERAL HOSPITAL		653-2343
MOUNTAIN VIEW HOSPITAL		255-5000
EMERGENCY DEPARTMENT		255-5025
ST. ROSE DE LIMA CAMPUS		616-5000
EMERGENCY DEPARTMENT		616-4600
ST. ROSE SAN MARTIN CAMPUS		492-8000
EMERGENCY DEPARTMENT		492-8600
ST. ROSE SIENA CAMPUS		616-5000
EMERGENCY DEPARTMENT		616-5600
SOUTHERN HILLS HOSPITAL		880-2100
EMERGENCY DEPARTMENT		880-2800
SPRING VALLEY HOSPITAL		853-3000
EMERGENCY DEPARTMENT		853-3630
SUMMERLIN HOSPITAL		233-7000
EMERGENCY DEPARTMENT		233-7200
SUNRISE HOSPITAL		731-8000
EMERGENCY DEPARTMENT		731-8080
UNIVERSITY MEDICAL CENTER (UMC)		383-2000
EMERGENCY DEPARTMENT		383-2211

VALLEY HOSPITAL	388-4000
EMERGENCY DEPARTMENT	388-4500
VETERAN'S ADMINISTRATION	
EMERGENCY DEPARTMENT	791-9000
MEDICAL EVALUATION EMERGENCY	791-9000 x 13214

RESOURCES FOR CLEANUP AND DISPOSAL

<u>COMPANY</u>	<u>TELEPHONE</u>	<u>CAPABILITIES</u>
Republic Services 770 East Sahara Ave. Las Vegas, NV 89104	702-734-5400	Biohazard
State RAD-SAFE Team	775-687-4622	Radioactive
National Nuclear Security Administration (NNSA)	295-0925	Radioactive
Safety-Kleen	649-7513	Flammable and Combustible Liquids
H ₂ O Environmental	866-426-7745	Hazardous Materials Except: Radioactive
Logistical Solutions	702-596-2021	Crime, Trauma, Biohazard, Disaster clean up

EMERGENCY WARNING CONTACTS

<u>AGENCY</u>	<u>General #</u>	<u>24 hour #</u>
So. Nevada Center for Independent Living Deaf and Hard of Hearing Advocacy Center	889-4216 Voice & TDD 363-3323 (711) Relay	
District Court Interpreter	671-4578	
Las Vegas Transit/Grayline		384-1234
Las Vegas Valley Water District	258-3915	258-7101
McCarran Control Center		261-5201
NV Taxicab Authority NHP Las Vegas	486-6532 486-4100	775-688-2830
Regional Transportation Commission ATC/VanCom Inc. CAT Bus System	676-1500 228-7433	702-676-1822 702 636-0623
CC School District Police	799-4357	

RESPONSE

RESPONSE

CONCEPT OF OPERATIONS

All field responses shall be conducted using the Incident Command System (ICS). In 2004, Clark County adopted the National Incident Management System and the Incident Command System outlined therein. On-going efforts shall be maintained to educate all responding agencies to the workings of ICS. EOC operations reflect the day-to-day management structure of the jurisdiction.

On-scene command at a hazardous materials incident shall be the responsibility of the Lead Agency having jurisdiction. The Lead Agency may establish a unified incident command with other agencies and departments, but will retain overall responsibility until the incident is brought to a conclusion.

The Lead Agency shall manage and coordinate a hazardous materials incident under NIMS. The Lead Agency shall be responsible for the identification of the incident resources and needs, the procurement and the coordination of these resources, so as to abate the incident and protect life, property, and the environment.

The Incident Commander will have the authority to request the activation of the jurisdiction's Emergency Operations Center (EOC). The EOC (when activated) shall provide support and coordination for various agencies, technical and specialized resources. The EOC shall see that any necessary actions are carried out as needed. On-scene decisions are to be made with assistance from expert advisors and specialists.

Communication among responders within Clark County shall follow established procedures for the existing systems.

Cellular phones are added tools for emergency responders. A cellular phone list is available to all emergency response personnel. (This phone list is available only to emergency response personnel obtained through individual departments.)

Fire Line Passes have been issued to key personnel both on the County/City level and those employed by major facilities in Clark County. Law enforcement agencies in Clark County have been taught to recognize these passes to allow key personnel through roadblocks and into a command post or restricted area.

RESPONSE FUNCTIONS

METHODS FOR DETERMINING RELEASES AND POPULATION AFFECTED

Methods used in Clark County for determining that a release of hazardous material has occurred will generally be:

1. Human Detection:
 - a. Visual indicators (regular inspections, unusual plumes or clouds, leaking containers, etc.)
 - b. Unusual odor
2. Mechanical Detection:
 - a. Leak detection alarms
 - b. Smoke alarms
 - c. Electronic measurement devices
3. Inspection:
 - a. Regular inspections by facility personnel
 - b. Inspections by Fire Department
 - c. Inspections by authorities having jurisdiction
4. Alarm reports and visual sightings will be coordinated and verified through 911 Communications and the Fire/EMS Communication Center or the Local Emergency Planning Committee as referenced.

Determination of the population likely to be affected by a release:

1. Fixed Facility
 - a. Use of specific information from facility contingency plans
 - b. Use of information listed in Appendix B, Vulnerable Facilities
2. Transportation Incidents and Other Facilities
 - a. Identification of materials and characteristics
 - b. Quantity and release rates
 1. Physical State
 2. Quantity Released
 3. Pressure under which material is stored
 - c. Determination of environmental conditions (weather, wind direction, drainage, etc.)
 - d. Determination of nearby population and special facilities
 - e. Computer-generated chemical dispersion plume models
 - f. Hazards analysis conducted by the local jurisdiction

INITIAL NOTIFICATION OF RESPONSE AGENCIES

Upon discovery of a hazardous materials (HAZMAT) leak, release, or spill, the spiller must follow incident notification procedures required by statute.

Emergency Assistance numbers are listed in the Telephone Directory.

Chapter 116, Title 42, United States Code

Title III, Superfund Amendments and Reauthorization Act of 1986, (SARA Title III), sec. 304 (b)(1-2), and (c).

Requires:

Immediate notice after a release to the community emergency coordinator and the State Emergency Response Commission (SERC). Clark County's Local Emergency Planning Committee (LEPC) designated the Emergency Management Coordinator of each jurisdiction as the community emergency coordinator. The Nevada Division of Emergency Management serves as the contact point for the SERC.

Specific items of information concerning a particular release are:

- identity of substance
- determination if it is an extremely hazardous substance
- estimated quantity released
- time and duration of release
- medium in which release occurred
- known health risks; advice regarding medical attention for exposed people
- precautions to take
- facility contact person and number

Follow-up written notice must describe:

- update of original report
- response and containment actions taken
- health risks
- advice regarding medical attention

2009 International Fire Code (IFC)

Requires:

The immediate reporting of a release of toxic materials to the **fire department**.

Specific information to report:

- name and title of person reporting
- location of the hazardous materials release
- identity and estimated amount of substance released, to the best available knowledge
- any known injuries
- environmental medium (air, water, ground) into which the release escaped
- any remedial actions taken

Nevada Administrative Code, Chapter 445

Requires:

Any party experiencing a release of any hazardous materials in any amount to notify the Nevada Division of Emergency Management and the Nevada Division of Environmental Protection.

INCIDENT COMMAND AND LEAD AGENCY

Incident Commander

The local Fire Department shall accept and provide the position of INCIDENT COMMANDER for the scene of all hazardous materials incidents within its jurisdiction. The Incident Commander (IC) shall be the designated fire department officer responsible for mitigating the hazards at the scene of hazardous materials incident. The IC shall be responsible for the identification of incident resources and needs. Upon arrival, the IC shall secure and maintain immediate on-scene control until the situation has abated.

The fire department shall coordinate, direct, and control all fire department activities within its jurisdiction and responsibility to include, but not be limited to, rescue and first aid, product identification, scene stabilization and management, suppression activities, protection of exposures, containment, agency notification, scene isolation, personnel protection, and decontamination.

The officer-in-charge of any responding Hazardous Materials Response Team (HMRT) shall report to and function through the fire department INCIDENT COMMANDER, who is responsible for on-scene management decisions made with assistance from expert advisors and specialists. The INCIDENT COMMANDER of the fire department shall provide direct control and authority over all fire department related activities at the scene of any hazardous materials incident.

Unified Incident Command

Unified Incident Command will be practiced and shall be adopted at the scene of each hazardous materials incident by the Incident Commander of the agency having jurisdiction and by the Hazardous Materials Response Team. Unified Incident Command shall consist of and include the following designated agencies at all hazardous materials incidents:

- a. Fire Department having jurisdiction
- b. Law Enforcement agency having jurisdiction

The INCIDENT COMMANDER shall report to and function through the Fire Chief, who represents the fire department in a Multi-Agency Coordination System if the Emergency Operations Center is activated.

The EMERGENCY OPERATIONS CENTER staff is not responsible for the detailed direction of technical or specialized procedures, but shall oversee and coordinate these procedures as they are carried out, and coordinate resource allocation and public information when needed.

Lead Agency

The LEAD AGENCY is responsible for overall management and coordination of a hazardous materials incident. The LEAD AGENCY shall be responsible for the IC, the procurement, and the coordination of incident resources, so as to abate the incident and protect life, property, and the environment.

Unincorporated Areas of Clark County

The Clark County Fire Department, on behalf of the County Manager and Board of County Commissioners, shall assume the role of LEAD AGENCY for hazardous material incidents within the unincorporated areas in Clark County.

Incorporated Cities

The respective city fire departments shall assume the role of LEAD AGENCY for hazardous material incidents within their jurisdiction.

State Roads and Highways

The Nevada Highway Patrol is the lead agency for any hazardous materials incident on any state road or highway. Each agency will be responsible for their current jurisdictions.

The Nevada Highway Patrol will respond to all accidents/incidents (regardless of jurisdiction) when requested by an agency that has jurisdiction over a particular roadway. The request should clarify if they are requesting assistance only or complete scene management.

- State Parks - Nevada Division of Parks
- State Forests - Nevada Division of Forestry
- National Forests - U.S. Forest Service
- Public Lands - Bureau of Land Management (BLM)
- Federal Parks and Recreational Areas - National Park Service
- U.S. Air Force Bases - U.S. Air Force
- Indian Reservations - Tribe
- Colorado River - Appropriate Federal Agency in accordance with the Colorado River Oil and Hazardous Substance Spill Contingency Plan.

HAZARDOUS MATERIALS INCIDENT CLASSIFICATION

There are three (3) hazardous materials incident classification levels.

Level I Incident (Known as a LEVEL I - H.M.I.)

- Spills, leaks, ruptures, and/or fires involving hazardous materials that can be contained, extinguished, and/or abated utilizing equipment, supplies, and resources immediately available to the local fire department. Excluding clean-up activities on Level-1 or Level-2 incidents.

- Hazardous material incidents that do not require evacuation of citizens.
- Reference Figure 1, Response – 10.

Level II Incident (Known as Level II - H.M.I.)

Any Fire Department Officer can upgrade a Level I HMI to a Level II HMI.

Hazardous materials incidents that:

- Can only be identified, tested, sampled, contained, extinguished, and/or abated utilizing the resources from Las Vegas Fire & Rescue Hazardous Materials Response Team (HMRT);
- Require the use of chemical-protective gear and specialized equipment;
- Require evacuation of citizens;
- Involve hazardous materials fires that are permitted to burn for a controlled period of time, or are allowed to consume themselves.
- Reference Figure 2, Response – 11.

Level III Incident (Known as Level III - H.M.I.)

The officer of the HMRT, or the Incident Commander, can upgrade a LEVEL II HMI to a LEVEL III HMI.

- Spills, leaks, and/or ruptures that can be contained and/or abated utilizing the highly specialized equipment and supplies available to environmental or industrial response personnel; excluding cleanup activities during levels 1 & 2 incidents;

Fires involving hazardous materials that:

- Are allowed to burn due to ineffectiveness or dangers of the use of extinguishing agents, or the unavailability of water;
- Pose a real threat of large container failure;
- Involve an explosion, detonation, BLEVE, or container failure;

Hazardous materials incidents that:

- Require evacuation of civilians extending across jurisdictional boundaries;
- Cause serious civilian injuries and/or deaths;
- Require additional Hazardous Materials Response Teams;

- Require decontamination of citizens;
- Involve multi-agency responses.
- Reference Figure 3, Response - 12

The Incident Commander has the discretion to establish a hazardous material incident level, based on experience, training, and unpredictable and shifting variables, for example:

- Level of technical expertise required to abate the incident.
- Extent of municipal, county, and state government involvement.
- Extent of evacuation of civilians.
- Extent of injuries and/or deaths.
- Extent and involvement of decontamination procedures.

SCENE MANAGEMENT FOR RESPONSE PERSONNEL

Incident Commander

The *Incident Commander* (I.C.) shall be the designated fire department officer responsible for mitigating the hazards at the scene of hazardous materials incident. Upon his arrival, he shall secure and maintain immediate control until the situation has been abated.

1. The Fire Department having jurisdiction shall accept and provide the position of INCIDENT COMMANDER for the scene of all hazardous materials incidents. The IC is responsible to Lead Agency, regardless if it is the fire department or another agency. The fire department shall coordinate and direct within its control all fire department activities within its jurisdiction and responsibility to include, but not be limited to, rescue and first aid, product identification, scene stabilization and management, suppression activities, protection of exposures, containment, agency notification, scene isolation, personnel protection, and decontamination.
2. The captain of the Hazardous Materials Response Team shall report to and function through the fire department INCIDENT COMMANDER.
3. The INCIDENT COMMANDER shall report to and function through the Fire Chief, if the Emergency Operations Center is activated.

Hazardous Materials Response Team

The City of Las Vegas – Las Vegas Fire and Rescue will maintain a specially trained Hazardous Material Response Team for the specific purpose of responding to chemical emergencies. This HMRT, in association with any developing HMRT, can provide expertise and equipment especially developed to help control and abate a hazardous material incident.

It shall be the responsibility of the HMRT officer or Incident Commander to:

Identify and establish a HAZARD ZONE when necessary, and enforce it.

Upgrade a LEVEL II HMI to a LEVEL III HMI through proper dispatch procedures when:

The incident is beyond the capabilities of that HMRT (not to include clean up procedures).

The HMRT officer wants a second HMRT to respond.

The HMRT officer wants the EMERGENCY MANAGEMENT COORDINATOR to respond.

Work with, and be subordinate to, the Incident Commander of the agency having jurisdiction.

Control Zones

A. Evacuation Zone

1. The EVACUATION ZONE shall be designated to define an area where some potential or real danger exists to the public or the environment.
2. Identification of a EVACUATION ZONE shall be done by the first arriving agency officer.

Access shall be limited to those members of agencies on scene who are appropriately protected and directly engaged in rescue, control, and preliminary stabilization measures.

B. Hazard Zone

1. The HAZARD ZONE shall be designed as necessary to identify and define an area of exceptional danger, including extreme threat to life safety.
2. Identification of a HAZARD ZONE shall be done by the HMRT, the Incident, or designee.

Access shall be controlled by the HMRT, the Incident Commander, or designee. Only personnel of the HMRT and other designated personnel of necessity will be allowed access.

C. Decontamination Zone/Area (Decontamination Corridor)

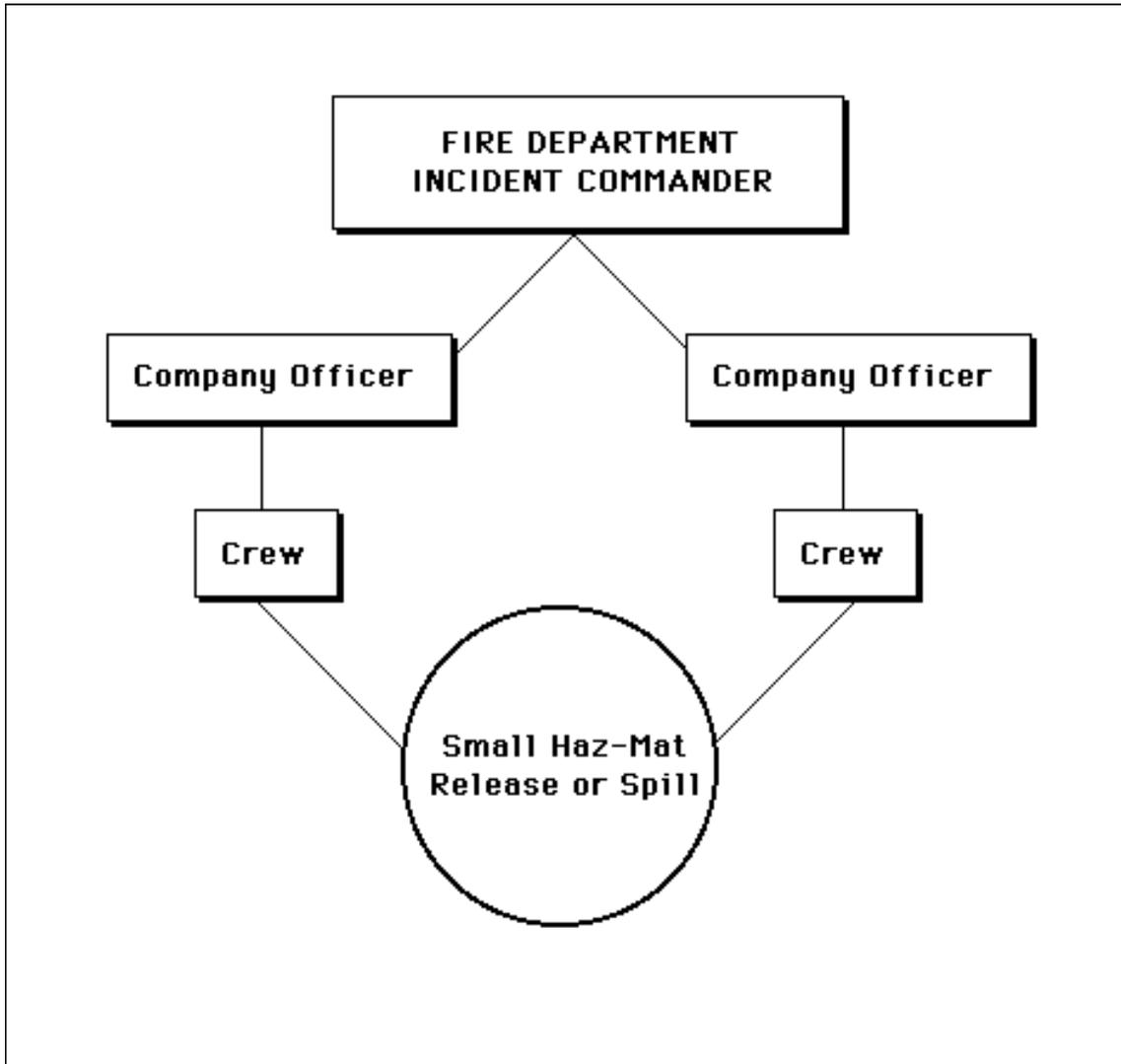
1. The DECONTAMINATION ZONE (or CORRIDOR) shall be designated as necessary to establish a procedure to decontaminate personnel, civilians, and equipment in an effort to reduce or stop the spread of suspected contaminants.

2. Identification and the set-up of a DECON ZONE or CORRIDOR shall be done by the HMRT, Incident Commander, or designee.
3. Access into the DECON ZONE of contaminated people shall be coordinated by HMRT. Only an officer of the HMRT or the Incident Commander may allow anyone to exit the DECON ZONE.
4. Workers entering the DECON ZONE to assist in procedures shall do so only as directed by the HMRT or the Incident Commander, and only when appropriately protected.
5. DECON procedures shall be effected and/or directed by HMRT personnel.

It is the responsibility of the Incident Commander to see that the duties of a Hazardous Materials Safety Officer are carried out at a Level 1 incident, and to assign a Hazardous Materials Safety Officer at Level 2 and 3 incidents.

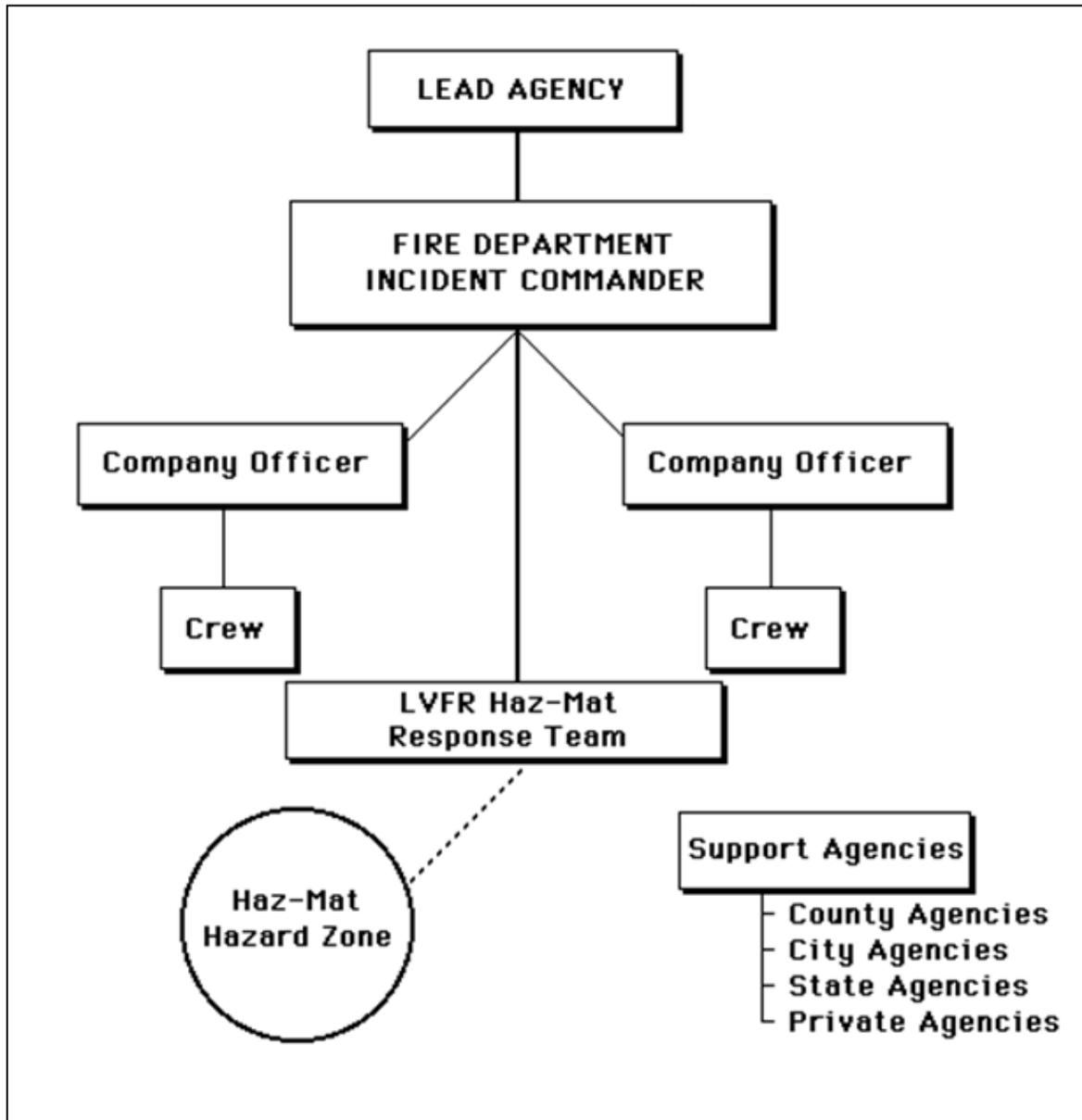
The Hazardous Materials Safety Officer or designee shall be responsible for maintaining hot, decon, and cold zones, determining the level of protection for a given incident, tracking the amount of time personnel are in a hot zone and other duties appropriate to the incident.

Figure 6. Example of a Level I Hazardous Materials Incident



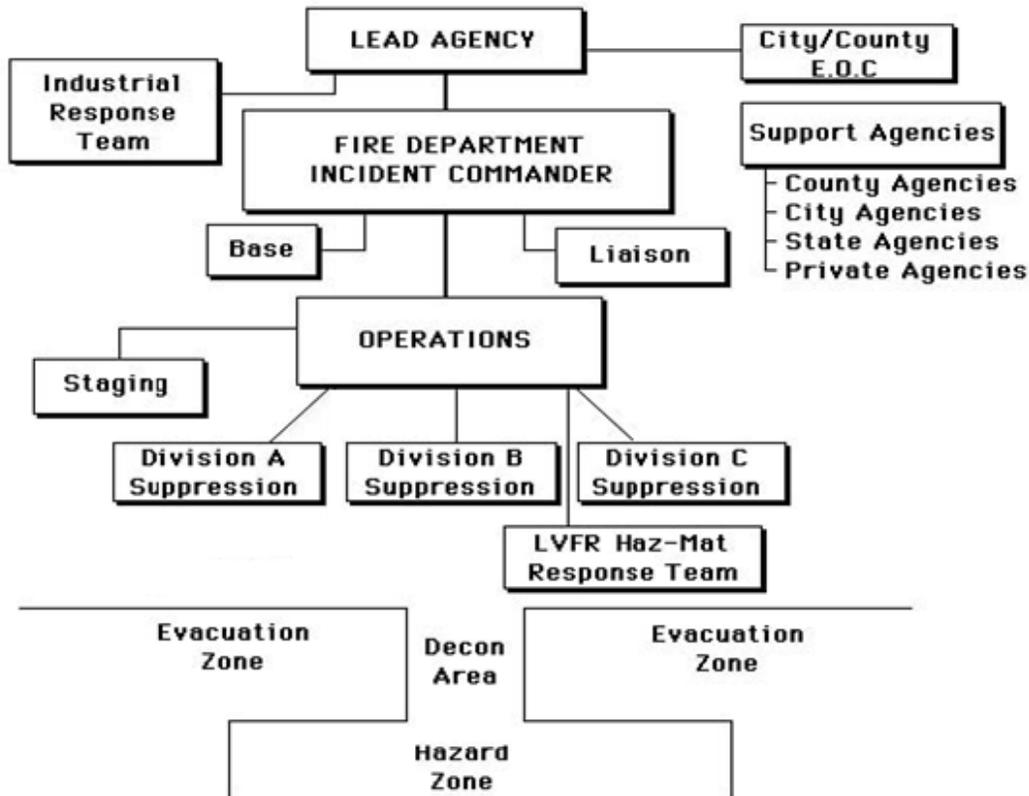
¹ Fire Department Incident Commander is the FD officer in-charge at the unified command post irrespective of who the Lead Agency is (these diagrams illustrate Fire/hazmat team ops).

Figure 7. Example of a Level II Hazardous Materials Incident



¹ Fire Department Incident Commander is the FD officer in-charge at the unified command post irrespective of who the Lead Agency is (these diagrams illustrate Fire/hazmat team ops).

Figure 8. Example of a Level III Hazardous Materials Incident



¹ Fire Department Incident Commander is the FD officer in-charge at the unified command post irrespective of who the Lead Agency is (these diagrams illustrate Fire/hazmat team ops).

Protection of Citizens

The protection of the general public is of primary concern in a hazardous materials incident. When an incident is expected to have an impact over a large area and affect perhaps a multitude of people it is the responsibility of the Incident Commander to determine and communicate to the public the best method of protection, using the guidelines outlined in "Warning Systems." In general there are two courses of action:

Evacuation

This is an extremely difficult process involving cooperation and pre-planning on the part of the responsible agencies. Evacuation is defined as the systematic removal of persons from a POTENTIALLY hazardous situation or environment, and is usually performed by police agencies in cooperation with the Incident Commander. Rescue is the removal of persons from a situation that has become hazardous and is usually performed by Fire Departments or other agencies which have Self Contained Breathing Apparatus at their disposal.

In-Place Sheltering

This is an option that has proven extremely successful throughout the world. When the public is notified to shelter in place, they would close all doors and windows in their house, shut down all air handling appliances; if time allows and depending on the chemical problem, may place wet towel under doors, or duct tape crevices on windows and doors, and seek shelter in an interior room.

This option is based on studies that indicate if the above procedures are followed, the concentration of a chemical inside the house will be about 10% of the outside concentration.

Both Evacuation and In-Place Sheltering require timely activation of public information resources and education about the methods and procedures involved prior to their use.

Announcements for In-Place Sheltering (Take Shelter) Evacuation, and School Evacuation are located in this plan.

Decontamination Procedures

I. INTRODUCTION

- A. Purpose: The purpose of the Decontamination Procedures is to assure that any potential harmful or dangerous residue, on persons or equipment, are confined within a defined area (the Hazard Zone, Evacuation Zone, and Support Zone.) Decontamination is intended to prevent the spread of contaminants beyond the defined area - particularly to avoid carrying contaminants back to the fire station or to other environments.

The specific measures required to decontaminate personnel or equipment will vary with the contaminating material involved and the circumstances and the level of contamination. These factors must be considered on a case-by case basis.

II. PLANNING BASIS

A. Objectives of Plan

1. Describes operational concepts, organization, and support systems required to implement decontamination procedures.
2. Identifies responsibilities and actions of local fire departments and private emergency health care agencies necessary to minimize danger to human health and property, and to aid in the process of decontamination.

III. ADMINISTRATION

A. Scope:

1. These procedures are to be used by fire department personnel and private emergency health care agencies whenever the need for decontamination occurs.
2. Geographical Factor:
This procedure is concerned with hazardous material incidents which require decontamination within the boundaries of Clark County.
3. The Hazard:
The hazard shall include actual or potential fires, spills, leaks, ruptures, or contamination, and any threat to life safety involving hazardous materials.
4. The Hazardous Materials:
The material itself may include explosives, flammables, combustibles, compressed gases, cryogenics, poisons and toxins, reactive and oxidizing agents, radioactive materials, corrosives, carcinogenics, or etiological agents or any combination thereof.
5. The Incident:
This procedure is for any hazardous material incident associated with the contamination of personnel and/or equipment.

B. Authority:

STATUTE

RESPONSIBILITIES AUTHORIZED

CFR 1910.120

Standard for the protection of personnel who respond to emergencies involving hazardous chemicals.

SARA Title III

Local officials must prepare Emergency Planning and contingency plans for Community Right-To-Know hazardous materials in their Act of 1986 community.

IV. PROCEDURES

The initial assessment of decontamination requirements must be based upon the specific needs of the situation. This must take into account the specific materials involved, the degree and type of exposure and the most appropriate methods. The assessment will require research and may involve consultation with toxicology resources.

One method of preventing or reducing the migration of contaminants is to delineate zones on the site in which prescribed operations occur. Movement of personnel and equipment between zones and onto the site itself would be limited by access control points. By these means, three contiguous zones are recommended. See Figure 4, Response – 28.

A. HAZARD ZONE

The Hazard Zone, the innermost of three areas, is the zone where contamination does or could occur. All people entering the Hazard Zone must wear prescribed levels of protection. An entry/exit check point must be established at the periphery of the Hazard Zone to regulate the flow of personnel and equipment into and out of the zone and to verify that the procedures established to enter and exit are followed.

B. DECONTAMINATION AREA/EVACUATION ZONE

Between the Hazard Zone and the Support Zone is the Decontamination Area/Evacuation Zone which provides a transition between contaminated and clean zones. Zone 2 serves as a buffer to further reduce the probability of the clean zone becoming contaminated or being affected by other existing hazards.

It provides additional assurance that the physical transfer of contaminating substances on people, equipment, or in the air is limited through a combination of decontamination, distance between Hazard and Support Zones, air dilution, zone restrictions, and work functions.

C. SUPPORT ZONE

The Support Zone, the outermost part of the site, is considered a non-contaminated or clean area. Support equipment, personnel, command post, etc. is located in this zone. Since normal work clothes are appropriate within this zone, potentially contaminated personnel clothing, equipment, and samples are not permitted, but are left in the Decontamination Area until they are decontaminated.

V. DECONTAMINATION

A. INTRODUCTION

Personnel responding to hazardous substance incidents may become contaminated in a number of ways including:

Contacting vapors, gases, mists, or particulates in the air.

Being splashed by materials while sampling or opening containers.

Walking through puddles of liquids or on contaminated soil.

Using contaminated instruments or equipment.

Protective clothing and Self Contained Breathing Apparatus (SCBAs) help prevent becoming contaminated or inhaling contaminants.

Good work practices help reduce contamination on protective clothing, instruments, and equipment.

Even with safeguards, contamination may occur. Harmful materials can be transferred into clean areas, exposing unprotected personnel. In removing contaminated clothing, personnel may contact contaminants on the clothing or inhale them. To prevent such occurrences, decontamination procedures must be implemented before anyone enters a site and must continue throughout site operations. See Figure 5, Response - 29.

B. CONTAMINATION REDUCTION CORRIDOR (DECON AREA)

An area within the Evacuation Zone is designated the Contamination Reduction Corridor enter. See Figure 6, Response – 30.

The Entry/Exit point controls access into and out of the Hazard Zone and confines decontamination activities to a limited area.

The size of the corridor depends on the number of stations in the decon procedure.

A recommended corridor of 75 feet by 15 feet should be adequate for full decontamination. Whenever possible, it should be a straight path.

Boundaries should be conspicuously marked. Personnel exiting the Hazard Zone must go through the Decon Area, including decon workers.

Anyone in the DECON AREA should be wearing the level of protection designated for decontamination crew.

A minimum of 3 feet between stations is recommended.

This Decon Area should provide a corridor leading away from the source of contamination towards the Exit, with stations along the way for deposit of tools, equipment, protective clothing and other items. Monitoring personnel and equipment should be appropriately placed along the path. A person traveling along the path should experience a decreasing level of contamination along the way.

When shower or spray nozzles are used, adequate space must be provided to avoid contamination of other areas or persons.

C. DECONTAMINATION AREA PRECAUTIONS

During the decontamination process, all personnel working in the Decontamination Area must be adequately protected from contaminants. The Decontamination Unit Leader will identify and require the appropriate protective equipment. These individuals and their equipment may also require decontamination after use.

Runoff or residue from decontamination procedures should be retained for proper disposal. Contaminated runoff should not be allowed to spread or escape. Diking may be necessary when using a shower and/or spray nozzles.

D. CONTAMINATED PATIENTS

If prompt life-saving first aid and medical treatment is required, decontamination procedures should be limited or omitted altogether. However, take necessary precautions which limit contamination of rescue and medical personnel.

Patients in need of medical treatment should be removed from the source of contamination as quickly as possible, but remain within a defined area (Hazard/Hot Zone). These patient(s) must not be allowed to contaminate further areas or persons. It may be necessary to bring treatment personnel (with adequate protective clothing) into the defined area (Hazard/Hot Zone) to deal with these patient(s), unless they can be rapidly and effectively decontaminated. Once decontaminated, the patient(s) and treatment personnel may leave the defined area (Decontamination Area).

E. DECONTAMINATION - PROCEDURE

Personnel protective equipment, sampling tools, and other equipment are usually decontaminated by scrubbing with mild soap solution using a soft-bristle brush followed by rinsing with copious amount of water.

Caution: (In a few cases, contaminants may react with water).

Six levels of decontamination are outlined. The Incident Commander or designee will determine which level is applicable for the substance involved, using any reference sources that may state the applicable level. In the absence of such sources, advice should be sought from experts in toxicology or chemistry. See Telephone Directory.

The recommended levels are:

- A - for light hazards
- B - for medium hazards
- C - for extreme hazards
- D - dry decontamination for water-reactive and certain dry substances
- E - for etiologic agents and certain dry pesticides and poisons
- R - for radioactive materials

NOTE: These are guidelines and are not mandatory requirements.

LEVEL A FOR LIGHT HAZARDS

Prior to returning to the Station

1. Wash down all protective clothing with a mild soap solution. Rinse with water.
2. Wash down SCBA cylinders and harnesses with a mild soap solution. Take care to wipe, not scrub, around regulator assembly. Rinse with water. If damage is suspected to any part of the unit, ensure it is sent for service.
3. Scrub hands and face with soap and water.

NOTE: Where the scrubbing of the protective clothing may release harmful vapors caught in the fibers, it may be necessary to wear breathing apparatus while washing down protective clothing. In these cases, monitor the atmosphere around the washing area. Release of vapors may indicate an alternate commercial cleaning method is required.

LEVEL B FOR MEDIUM HAZARDS

Prior to returning to the Station

1. Do not remove SCBA face piece. Place helmet on back of neck.
2. Assistant to flush fire fighter downwards from head to toe with copious amounts of low pressure water. Include inside and outside of helmet, mask, harness, and inside of coat-wrists to the cuff.
3. Do not smoke, eat, drink, or touch face.
4. Place apparatus temporarily out of service.
5. Remove all protective clothing and accessories. If possible, remove liner from helmet. Scrub all items, including the helmet liner, inside and out with a mild soap solution. Then flush with copious water.

NOTE: Where the scrubbing of the protective clothing may release harmful vapors caught in the fibers, it may be necessary to wear breathing apparatus while washing down protective clothing. In these cases, monitor the atmosphere around the washing area. Release of vapors may indicate commercial cleaning is required.

6. Scrub all other protective gear such as gloves and breathing apparatus items with a mild soap solution. Then flush with copious amounts of water. Be sure to flush out gloves with water. If SCBA is stored in its case while returning from incident, scrub the case also.
7. Remove all clothing worn at the scene, including underwear, and place in garbage/Hazard bag for determination of the proper cleaning method. Seek advice of experts as appropriate. Take all garbage bags with contaminated clothing to a place where they can be cleaned separately from other garments.
8. Shower, scrubbing all of the body with soap and water, with particular emphasis on areas around the mouth and nostrils and under fingernails. Shampoo hair and thoroughly clean mustache and beard if applicable.
9. Do not smoke, drink, eat, touch face, or void until step #8 completed.
10. Put on clean clothes.
11. Do not put apparatus back in service until clean-up procedures are completed.

To Change SCBA Cylinders at the Scene

Flush empty cylinder and surrounding area of fire fighter's back with copious amounts of low pressure water. Also flush face piece and breathing tube to prevent inhalation of harmful materials when regulator is disconnected.

LEVEL C FOR EXTREME HAZARDS

Prior to returning to the Station

1. Do not remove SCBA face piece. Place helmet on back of neck.
2. Assistant, wearing protective clothing and SCBA (plus disposable chemical suit wherever possible), to flush fire fighter downwards from head to toe with copious amounts of low pressure water. Include inside and outside of helmet, mask, harness, and inside of coat-wrists to the cuff.
3. Do not smoke, eat, drink, or touch face.
4. Put SCBA, used cylinders, and any equipment (including hoses and tarps) suspected or known to be contaminated in garbage/hazard bags. Where circumstances permit, remove and bag protective clothing also.

5. Strip completely. Place all clothing (protective clothing and personal clothing) in garbage/hazard bags. Place portable radios in a separate bag. Seal bags, place in designated area.
6. Arrange for the supply of a number of steel drums. Upon their arrival, seal garbage/hazard bags with contaminated items into drums/containers. Mark drums/containers and place in designated area.
7. Arrange for the drums/containers to be picked up and the contents analyzed. Some or all items may be destroyed; some may be able to be decontaminated and returned to use.
8. Shower, scrubbing all of the body with soap and water, with particular emphasis on areas around the mouth and nostrils and under fingernails. Shampoo hair. Thoroughly clean mustache and beard if applicable.

SPECIAL ATTENTION FOR RADIOACTIVE INCIDENTS:

After showering, carefully and slowly scan entire body with a radiation contamination monitor, paying special attention to hair, hands, and fingernails. Hold monitor proximately 3 cm from body. If any reading beyond normal background level is detected, the fire fighter should shower again, scrubbing with more soap than before.

9. Put on clean clothes.
10. Report to hospital for medical examination as directed by Incident Commander or designee. Inform physician which hazardous material was involved.

To Change SCBA Cylinders at the Scene

Flush empty cylinder and surrounding area of fire fighter's back with copious amounts of low pressure water. Also flush face piece and breathing tube to prevent inhalation of harmful material when regulator is disconnected.

Place empty cylinder in black plastic garbage/hazard bag and seal for subsequent decontamination if necessary.

The person doing the flushing and cylinder-changing must wear protective clothing and SCBA, plus a disposable chemical suit if available.

LEVEL D FOR WATER-REACTIVE HAZARDS

Prior to returning to the Station

1. Set up an intrinsically safe vacuum cleaner with power supply. Provide a dry brush and a containment capture method for materials falling off the contaminated personnel. Assistants should don full protective clothing and SCBA, plus disposable chemical suits if available and appropriate.
2. If this is a radiation incident: The fire fighters suspected of being contaminated will be scanned carefully with a radiation monitor suitable for detecting surface contamination. All parts of their clothing and personal equipment will be scanned, including the soles of the boots. If no readings are found, the personnel that have been checked can leave the decontamination area.
3. If the fire fighter was found to be radioactively contaminated or contaminated with a water-reaction material: Stand fire fighter in center of containment area, clean helmet and place on back of neck, then clean inside of helmet.
4. Commence cleaning from head downwards. Include all external areas. Slacken SCBA harness to allow cleaning behind straps and back plate.
5. When fire fighters have been fully vacuumed or brushed off, they will step out of the containment area. As they do so, their boots, including the soles, must be cleaned off so any contaminant will remain within the containment area.
6. Procedures will then continue as follows:
 - Radioactive incident--go to Level "R" routine.
 - Etiological or dry pesticide incident--go to Level "E" routine.
 - Other incidents--go to Level "B" routine (unless advice is received that Level "C" is more appropriate).
7. All used filters and collected waste are to be placed in a garbage/hazard bag, sealed and tagged, and disposed of in a manner acceptable to the agency having jurisdiction.

LEVEL E FOR ETIOLOGIC OR POISONS HAZARDS

Special Equipment Required

- A presentation spray can (such as used for pesticide spraying)

- biological neutralizing substance (such as bleach, commercial sterilizing agent, etc.)
- garbage bags
- black garbage bags
- sterilization bags as used by hospital laundries
- a box of surgical masks

Prior to returning to the Station

1. If using bleach, make up a 5% to 6% bleach solution in the spray can. Take note of the bleach concentrate percentage when calculating the make-up of the solution. Many brands as purchased in the store are already 6%. If using a commercial sterilizer, follow the manufacturer's directions.
2. Flush the fire fighter downwards from head to toe with low pressure water. SCBA face piece can now be removed. Place helmets in plastic garbage/hazard bag(s) and seal. Place HEPA mask or equivalent on fire fighter.
3. If using bleach, spray the fire fighter's boots (but not their bunker gear) and any tools, hoses, and other equipment used (except for portable radios) with the bleach solution in the spray can. Leave for 10 minutes, then flush with water.

If using a commercial sterilizer, follow the manufacturer's instructions.

4. Remove SCBA. Place in plastic garbage/hazard bag and seal. Remove fire fighter's protective clothing (except boots) and gloves. Place in plastic garbage/hazard bag and seal. Remove any portable radio worn. Place in plastic garbage/hazard bag and seal. Discard HEPA masks or equivalent.
5. Do not smoke, eat, drink, touch face, or void until decontamination is complete.
6. Before leaving the scene, a fire fighter wearing SCBA should attempt to spray as much of the ground exposed to the material and the wash-down water as possible with bleach solution. Then flush the outside of the spray can with clean water.
7. Before leaving the scene, seal the garbage/hazard bags and place into the Bio-hazard bags.
8. Place apparatus temporarily out of service if required.
9. One fire fighter should dress in protective clothing and SCBA, and in an outside area perform the following tasks:
 - Open the plastic garbage/hazard bags, wipe all helmets, portable radios, SCBA sets, and used cylinders with a rag lightly dampened with a 6% bleach solution. After 10 minutes, wipe these items again with a rag dampened with clean water. If using a commercial sterilizer, follow the manufacturer's directions.

- Seal all used garbage/hazard bags and rags into another bag and put out for normal garbage pick-up. If using bleach, empty the spray can and flush out to remove bleach residue.
10. Remove all clothing worn at the scene, including underwear, and place in garbage/hazard bag for proper method of cleaning as determined by Incident Commander or designee.
 11. All personnel should shower, scrubbing all of the body with soap and water, with particular emphasis on areas around the mouth and nostrils and under fingernails. Shampoo hair and thoroughly clean mustache and beard if applicable.
 12. Put on clean clothes. Place apparatus back in service when decontamination is completed.
 13. Arrange for the plastic garbage/hazard sterilization bags to be taken to a facility for cleaning and sterilization of the protective clothing, gloves, and any other garments as determined appropriate by technical experts and the Incident Commander or designee.

To Change SCBA Cylinders at the Scene

Flush empty cylinder and surrounding area of fire fighter's back with copious amounts of low pressure water. Also flush face piece and breathing tube to prevent inhalation of harmful material when regulator is disconnected.

Place empty cylinder in black plastic garbage bag and seal for subsequent decontamination.

The Person doing the flushing and cylinder-changing must wear protective clothing and SCBA.

LEVEL R FOR RADIOACTIVE HAZARDS

Prior to returning to the Station

1. Preparation
 - A. Mark off a two part decontamination area.
 - B. Make up a solution of detergent and water. Obtain scrub brushes.
 - C. Set out a reserve air supply, preferably with a work line unit or otherwise with a spare SCBA.
 - D. In the first part of the decontamination area, set up a runoff capturing method, either with wading pools or through the use of tarpaulins.

- E. If appropriate, a "walk-way" of polyethylene sheeting (weighted down if necessary) can be placed from the exit from the incident scene to the decontamination area, to prevent possible contamination of the ground.
2. The decontamination crew will don SCBA and, where available, disposable chemical suits.
 3. The fire fighters suspected of being contaminated will be scanned carefully with a radiation monitor suitable for detecting surface contamination. All parts of their protective clothing and personal equipment will be scanned, including the soles of the boots. If no readings are found, the personnel that have been checked can leave the decontamination area.
 4. Personnel found to be contaminated will be scrubbed down thoroughly with the mild soap solution by the decontamination crew. This is followed by a flushing off using low pressure water. Efforts should be made to capture the runoff.
 5. The fire fighters will then move to the second part of the decontamination area, where they will be scanned again with the radiation monitor. If any readings are found, they will return to the first part of the decontamination area and step 4 will be repeated.
 6. When all personnel have been cleaned of contamination, the decontamination crew themselves will be hosed down. The matter of the captured runoff water will be discussed with environmental authorities and disposal arranged in a manner acceptable to them.
 7. In the event fire fighters being decontaminated run out of breathing air, the reserve supply set out in step 1 will be passed to them. They should hold their breath while changing face pieces.
 8. In the event that, despite repeated scrubbing, any fire fighters cannot be decontaminated, they will remove as much of their clothing as possible in the second part of the decontamination area, and don clean or spare clothing. The clothing that has been taken off will be sealed into garbage/hazard bags and left at the scene for proper disposal. This evolution must be executed in such a manner as not to contaminate the clean clothing.

To Change SCBA Cylinders at the Scene

Personnel emerging from the incident to have their breathing apparatus cylinder changed will be scanned with a radiation contamination monitor in a manner identical to step 3 above.

If no readings are found, the fire fighter can proceed to the SCBA cylinder change area and may then return to the incident with a fresh cylinder.

Personnel found to be contaminated may not return to the incident. They will be put through the full Level "R" decontamination procedure, and other fire fighters will be sent in to the incident to replace the fire fighters withdrawn.

Before the replacement fire fighters go in, they should attempt to obtain information as to where the other personnel might have received their contamination, in order to allow them to take the necessary caution when approaching that area.

NOTE: Steps 1 and 2 of the Level "R" procedure must be in place by the time the first fire fighter emerges from the incident. If circumstances permit, these preparations should be made before personnel even enter the incident area for the first time.

A. RECOMMENDED GUIDELINES FOR RECORD KEEPING WHEN RESPONDING TO HAZARDOUS MATERIALS INCIDENTS

A member of the crew responsible for performing the decontamination should maintain written records of the following:

- Individual's name, material involved, length of exposure
- Level of decontamination performed
- Any ill effects observed
- Where each individual went, i.e.:
 - returned to station
 - sent to rest area
 - removed to hospital
 - reassigned to other duties at the scene
 - etc.

At the station, entries should be made on the fire fighters' medical records of the incident date, material involved, and decontamination performed, where exposure is known or suspected.

If appropriate, records should also be kept of the length of time each chemical suit was exposed, and what substance it was exposed to. This will permit the tracking of cumulative degradation of the suit material due to exposure to one particular substance.

B. EMERGENCY DECONTAMINATION PROCEDURE

Decontamination should emphasize thoroughness, not speed. Under non-critical conditions certain common sense actions should be taken, such as decontaminating the fire fighter with the lowest air reserve first.

Speed is only important where a victim is involved and even then decontamination should be as thorough as is practicable.

Circumstances may dictate that emergency decontamination becomes necessary, examples of such situations being where a protective suit become split or damaged, or when a fire fighter is injured. Emergency decontamination may also be applicable when contaminated civilians or other emergency workers (police, ambulance, etc.) are involved.

Paragraphs 1 to 6 below, although arranged in a basic chronological order, do not necessarily have to be undertaken in the exact sequence outlined. The officer-in-charge should act in the most expedient manner appropriate without worsening the situation.

The procedure outlined should be carried out as quickly as possible.

To protect the ambulance crew and hospital staff as well as the victim, every attempt must be made to perform at least this emergency procedure prior to transporting the victim to the hospital.

1. Remove the victim from the contaminated area into the decontamination zone and provide a supply of uncontaminated air or oxygen.
2. Remove fire helmet if worn and immediately wash with flooding quantities of water any exposed parts of the body that may have been contaminated.
3. If the victim is wearing SCBA, release the harness and remove the set leaving the face mask in position.
4. Remove all contaminated clothing (if necessary by cutting it off the victim) ensuring where practicable that the victim does not come into further contact with any contaminant. Maintain the washing of the victim while the clothing removal is taking place.
5. Remove the victim to a clean area. Render first aid as required, but do not apply mouth-to-mouth resuscitation. Send victim for medical treatment as soon as this emergency decontamination procedure has been completed.
6. Ensure hospital/ambulance personnel are informed of the contaminant involved.

C. DECONTAMINATION DURING MEDICAL EMERGENCIES

Part of overall planning for incident response is managing medical emergencies.

The plan should provide for:

Response team members fully trained in first aid and CPR.

Arrangements of medical facilities and ambulance companies for transportation and treatment of injured and for treatment of personnel suffering from exposure to chemicals.

Consultation services with a toxicologist.
Poison Control #800-222-1222

Treatment personnel must have adequate protective clothing to treat these patient(s).

If prompt life-saving first aid and medical treatment is required, decontamination procedures should be omitted. However, take necessary precautions which limit contamination of rescue and medical personnel.

D. TRANSPORTATION

If it is necessary to transport contaminated patient(s) to medical facilities, the receiving hospital should be notified in advance of the nature of the contamination, or lack of information concerning the contaminants in order to make necessary preparations. These patient(s) must not be allowed to contaminate further areas or persons. It may be necessary to bring treatment personnel (with adequate protective clothing) to treat these patient(s). The ambulance will be considered contaminated and will have to be decontaminated before being used to transport any non-contaminated persons. The ambulance should be prepared by draping exposed surfaces with visquene or polyethylene covers.

E. EMERGENCY ASSISTANCE

The Toxic Substance and Disease Registry is a division of the Center for Disease Control. To reach someone 24 hours please call #770-488-7100 and ask for the Toxic Substance and Disease Registry.

In an emergency, you can get a Toxicologist, Chemist, and Trauma Doctor to assist you in Emergency Care and Decontamination of the injured. Refer to Telephone Directory for emergency contact numbers.

Figure 9. Access Control Points

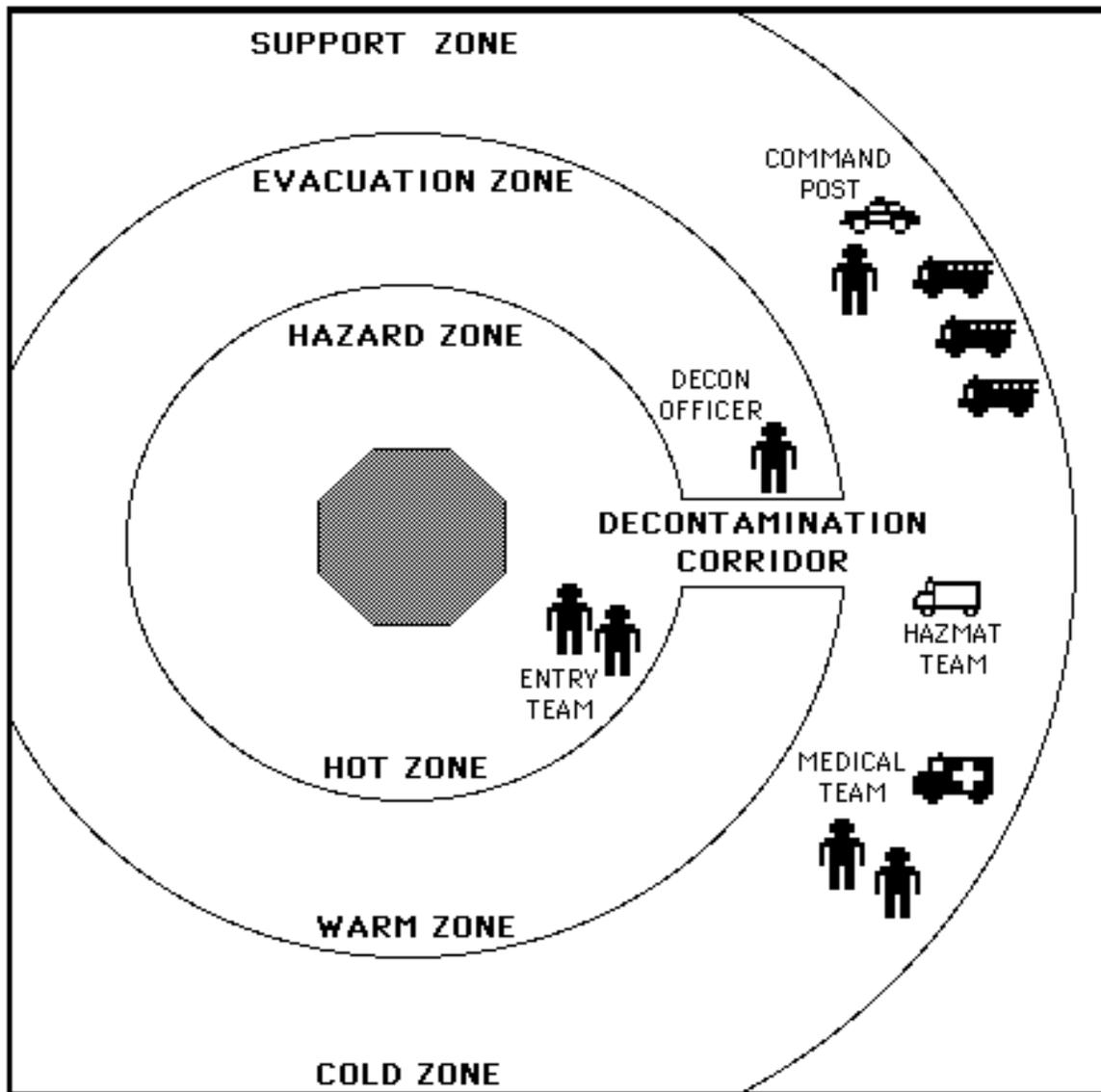


Figure 10. Site Operations Decontamination

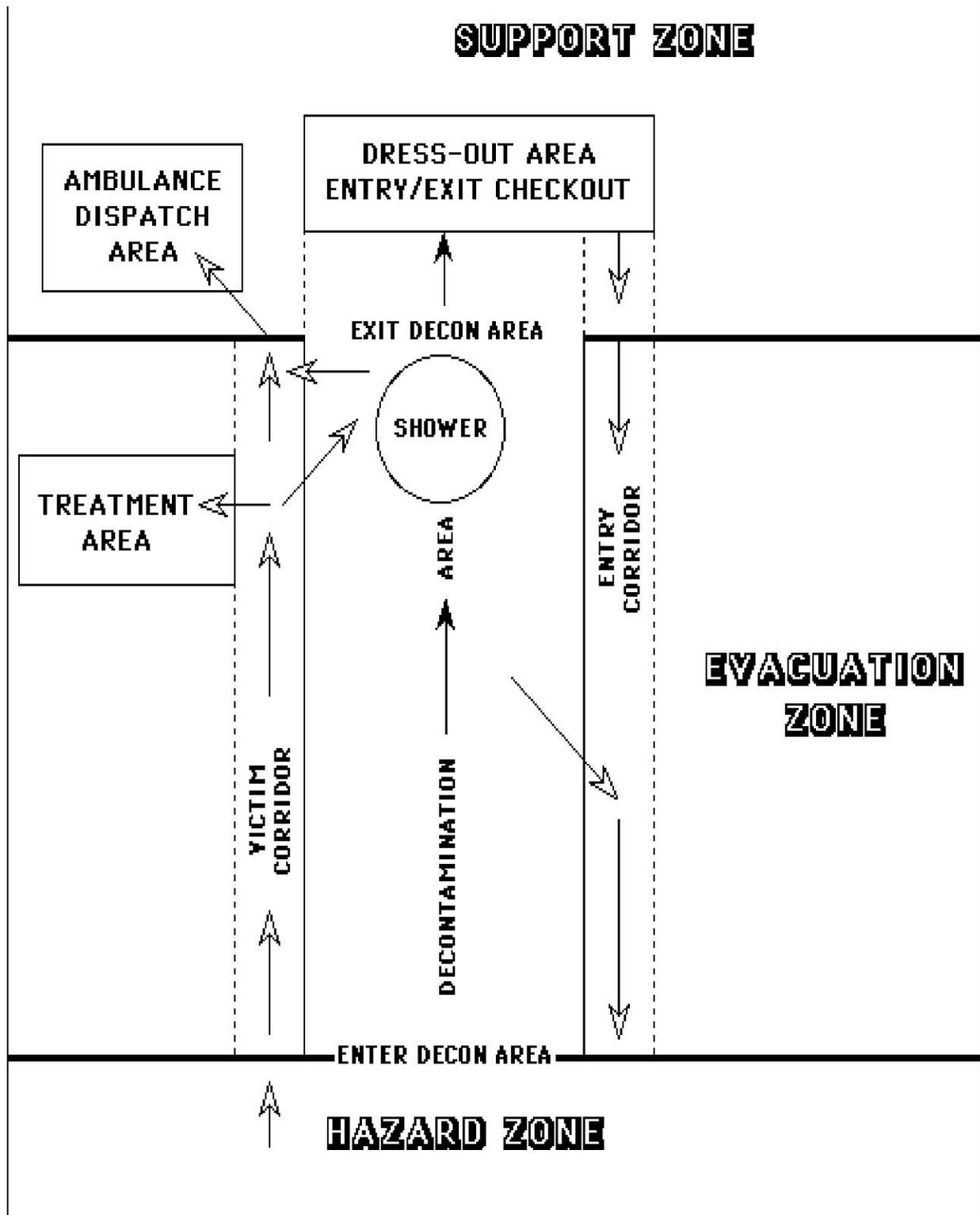
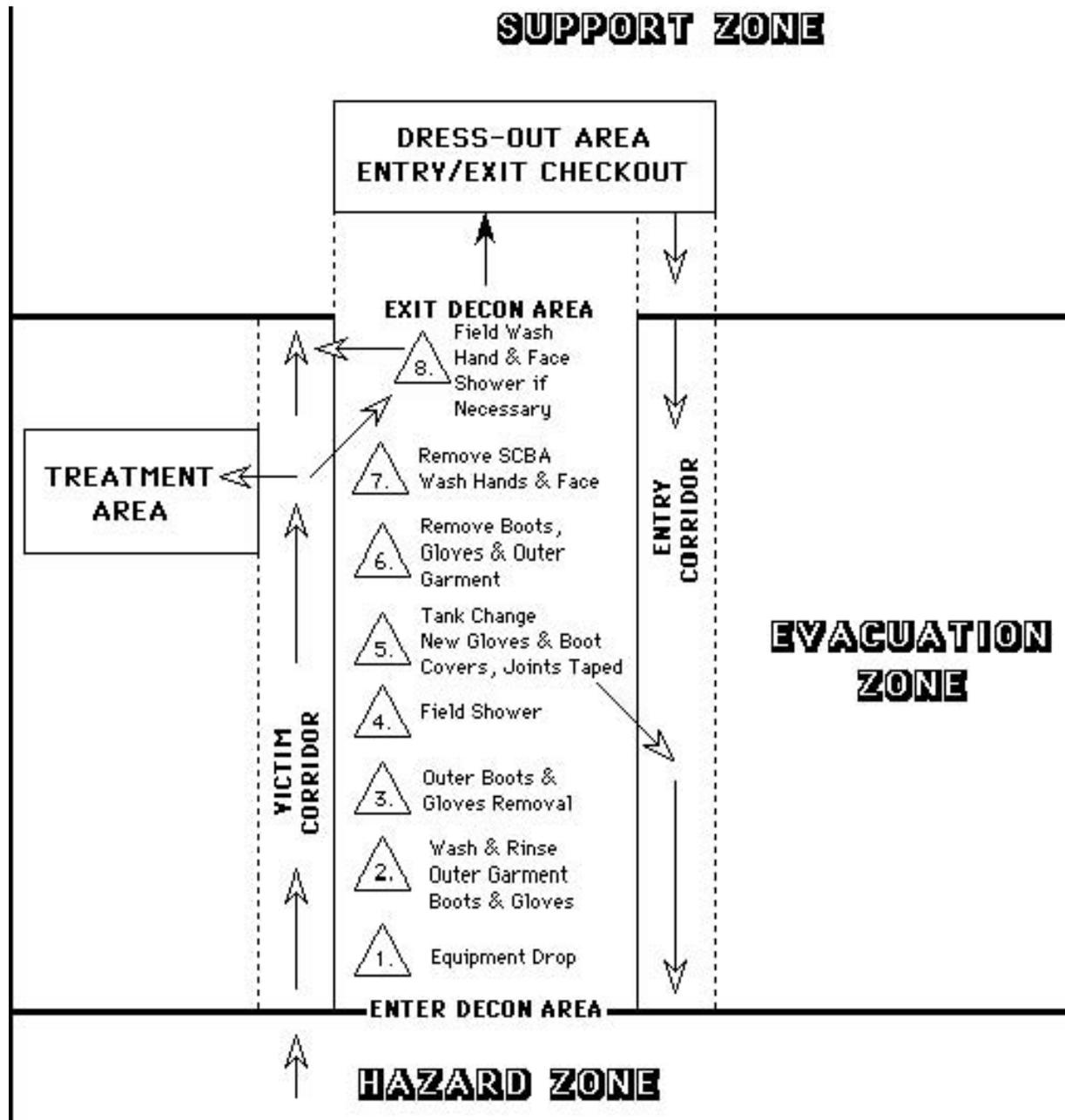


Figure 11. Contamination Reduction Corridor



RESOURCE MANAGEMENT

Resource Management occurs as a function in the Incident Command System.

EMERGENCY AND SPECIAL EQUIPMENT

Las Vegas Fire & Rescue maintains a hazardous materials response team (HMRT) whose members are trained to the Hazardous Materials Technician Level. The team is equipped with specialty equipment including sensing devices, entry suits, decontamination equipment, computer systems, and much more. All Fire Departments maintain Paramedic Rescue Units, Fire Engines, Trucks (Ladders), and a great deal of other equipment available to them in emergency situations.

Other agencies and their specialty resources can be requested and made available to local responders through the jurisdiction's EOC:

- Nellis Air Force Base - Hazardous Materials Team
- Nevada National Security Site - Radiation Response Team
- Army Reserve - Chemical Decontamination Unit
- 92nd Civil Support Team- CBRNE/HazMat Response
- National Park Service - Rangers and Response Personnel
- Nevada Division of Forestry - Firefighters
- Nevada LPG Board- Propane emergencies
- Bureau of Land Management - Rangers, Firefighters, and a Hazardous Materials section
- FBI - Special Investigators in Hazardous Materials Crimes
- ARMOR- CBRNE/HazMat Response
- EPA ERT West- CBRNE/HazMat Response
- OSHA- Catastrophe Response Team
- Public Utility Commission of Nevada – Electricity, Gas, Railroad, Water & Telephone

Other local specialized equipment and personnel are available to assist local responders in handling specific hazardous materials releases:

- Air Products - Cryogenic Accidents
- Suburban Propane - Propane Accidents
- UNEV/Kinder Morgan Pipeline - Fuel Spills
- Southwest Gas/~~Williams Gas Pipeline-West~~ – Kern River Natural Gas Pipeline Accidents
- Olin Chlor Alkali Products- Corrosive/Chlorine Accidents
- Tronox - Oxidizer Accidents
- TIMET - Class D "Special Metal" Accidents
- Union Pacific Railroad - Train Accidents
- UNIVAR, USA. - Pesticides

See Telephone Directory for public and private resources for hazardous materials clean up and disposal assistance.

FOLLOW-UP

DOCUMENTATION AND INVESTIGATION FOLLOW-UP

Any jurisdiction may find it necessary to undertake a major response action due to a spill or discharge of hazardous materials. Therefore, it is of vital importance to ensure that a careful record is maintained of what happened and what was done in response.

It is the responsibility of the Lead Agency in a hazardous materials response to:

Assign responsibility for real-time and post-incident documentation of the accident/disaster and resulting response actions.

Coordinate the development of appropriate reporting forms and procedures.

Collect the records from various sources in a central and safe location.

Keeping detailed records can help in:

Attempting to recover response costs and damages from the responsible party.

Reviewing the effectiveness and efficiency of response actions.

Preparing for future incident responses.

Verifying facts, actions, injuries, equipment used, etc., for the purpose of legal proceedings, insurance claims, budget requests, and public inquiries.

In addition to written documentation of an incident, it is a good idea to draw diagrams or sketches of containers, vehicles, structures, streets, containment techniques, etc. Photographs and videotapes should also be taken and kept on file for reference purposes.

PROCEDURES FOR TESTING AND UPDATING PLAN

TESTING

The Local Emergency Planning Committee (LEPC) will ensure that at least one (1) quarterly Hazardous Materials Simulation will take place; systematically exercising each of the nine (9) elements of the plan one (1) or more sections at a time.

UPDATING

The Local Emergency Planning Committee (LEPC) will form a subcommittee of members or designees to yearly review, change, and update this plan. This subcommittee will initially be made up of those persons responsible for the first edition;

and as personnel change, the original members will assign a permanent replacement to attend meetings and participate in updating this plan.

TRAINING

SARA Title III mandates that all emergency personnel that may have to respond to a hazardous materials incident be trained to the level that they will be expected to perform. The following training programs list the minimum requirements set by OSHA for various levels of training. The LEPC has recognized NFPA 471 and 472 as an acceptable training standard and will recognize any training program that meets or exceeds those standards. NFPA 471 and 472 meet the minimum requirements set by OSHA.

TRAINING ASSUMPTIONS

It is assumed that all departments/agencies will train their personnel to the level mandated for their particular function and maintain documentation of those training programs taught and the names of all personnel who have successfully completed the programs, and make those records available to the LEPC upon request.

TRAINING PROGRAMS

The OSHA standard sets minimum requirements for training emergency response personnel who may be required to respond to hazardous materials incidents. These personnel are required to complete training that is based on the duties and functions they will perform at hazardous materials incidents. Prior to the effective date of this standard, personnel shall receive training to meet the objectives of the skill level at which they will be expected to function. All new employees must receive training prior to being permitted to take part in actual emergency operations at an incident involving hazardous materials. There are five training and competency levels.

- First Responder Awareness
- First Responder Operational
- Hazardous Materials Technician
- Hazardous Materials Specialist (deleted from new NFPA 472 standard, still recognized by OSHA)
- On-Scene Incident Commander

Hazardous Materials training is an on-going activity within all of the Clark County jurisdictions and includes such subject areas as the Awareness, Operations, and Technician levels of hazardous materials training, incident command, responder safety, decontamination, radiological monitoring, Emergency Medical Services (EMS Level 01 and Level 02) and more.

Courses are taught both by in-house personnel and through outside contract arrangements. Curricula and schedules change over time and are updated regularly. For the purpose of this plan, current training information can be coordinated and obtained through the Clark County Office of Emergency Management or obtained directly from Fire Training Divisions as follows:

FIRE TRAINING CENTER

TELEPHONE

City of Boulder City Fire Department	293-9228
City of Henderson Fire Department	267-2280
City of Las Vegas Fire Department	229-0470
City of North Las Vegas Fire Department	633-1102
Clark County Fire Training Center	455-7700
Mesquite Fire Department	702-346-2690
Clark County Emergency Management	455-5710

EXERCISES

Exercises to test this plan are conducted annually within Clark County jurisdictions in the form of tabletop, functional, and full-scale exercises. Multi-jurisdictional full-scale exercises may also be performed on an annual basis. Final evaluations or critiques may be available from the responding agency(ies).

Specific exercise plans and schedules can be obtained from the Clark County Office of Emergency Management at #702-455-5710.

COMMUNITY RELATIONS

EXISTING PROGRAMS

The TIMET Corporation coordinates meetings of the CAER (Community Awareness and Emergency Response) group. This group participates with information booths during Earth Day, Henderson Industrial Days, and other community functions, and has put together an informational pamphlet on all the hazardous chemicals in use at the Basic Management Plants in Clark County.

Clark County Television (CCTV), City of Las Vegas Cox Cable Channel 2, and Vegas PBS Channel 10 provide access for emergency management programming for educational and emergency alert purposes.

The Community Right-to-Know Subcommittee of the LEPC developed and maintains a pamphlet entitled "Hazardous Chemical Emergency, What to Do". Each LEPC member entity may make the pamphlet available, as well as other publications and web based information for public education purposes.

WARNING METHODS

WARNING METHODS

WARNING SYSTEMS AND PUBLIC NOTIFICATION

The purpose of this section is to describe how to alert people at risk during emergencies and to inform them about protective measures to be taken.

Authority

County Manager/City Manager, or designee of affected jurisdiction, makes the decision to activate the community-wide warning systems.

Responsibility

Local Office of Emergency Management: As authorized, activates the warning systems and, if necessary, the Emergency Alert System (EAS).

Support Agencies

Combined Las Vegas Fire and EMS Communications Center
Clark County Fire Department
Las Vegas Metropolitan Police Department

Immediate Tasks

Emergency Management: Gather background information from requesting agency, such as:

Person reporting
Time
Type of Emergency
Location
Incident Magnitude
Best or Worst Case
Evaluate threat, danger, or risk levels with reporting agencies and Incident Commanders.

Report information to the County/City Manager, or designee, with a recommendation for activating warning systems, if necessary.

Prepare a warning message that specifies:

The type of emergency
Time of impact and expected duration
The threatened geographic area
Protective actions people should take

Choose method(s) to disseminate warnings

Distribute warning by chosen method(s)

GENERAL WARNING METHODS

These methods alert and warn the general public about situations that may threaten areas of Clark County. The selection of the method(s) depends on such factors as: population at risk, speed of message dissemination, and area covered.

Emergency Alert System (EAS) - is the primary warning system in Clark County. The Mayor, County Commission Chair, County Manager, County Emergency Management Director, County Public Information Officer, or the County Special Projects Manager authorizes activation of the EAS. Procedures for EAS activation are found in the EAS Plan located with each authorized individual.

Emergency Notification System (ENS) – is a tool capable of launching notification calls to pre-programmed groups as well as improvised call groups such as residences and businesses in a defined evacuation or shelter-in-place zone. Call receivers will hear a recorded message providing specific instructions to evacuate or shelter-in-place and to monitor broadcast stations for additional updated information.

Sirens and Loudspeakers - on public safety vehicles.

Crime Alert Telecomputing (CAT) System - Las Vegas Metropolitan Police Dispatch supervisors send warnings to hotel security offices by modem.

Intra-Building Systems - Hotel staff and the Las Vegas Convention and Visitors Authority disseminate warnings through the buildings' public address systems, personal contact, and in-house television. The McCarran Control Center issues warning messages throughout the terminal.

Travelers Information Station - The McCarran Control Center adds a message for broadcast upon request. Coverage is limited to a 2.5 mile radius around McCarran Airport.

Media Reports- Broadcast and print media report on incidents and can disseminate warning information on request.

Door-to-door- sweeps through areas.

Web-Based Alert Systems – Clark County maintains an alert system through the website <http://mystateusa.com/> which provides emergency alert notifications to general public subscribers as well as targeted subscriber groups. Alerts for pre-selected hazards are disseminated via email, land line, cell phone, and text message. All local governments within Southern Nevada support <https://sonevada.onthealert.com>. The City of Las Vegas maintains this system, which provides emergency alert and warning for all hazards to members of the public community wide or in targeted areas.

SPECIAL FACILITIES WARNING METHODS

Schools

Call the School District Police at the 24-hour emergency number #702-799-5411.

Hospitals

Request that the combined Las Vegas Fire and EMS Communications Center simultaneously warn the hospitals of a hazardous materials incident. Call hospitals individually on the telephone (see Telephone Directory) or radio.

Transportation Facilities

Contact Nevada Taxicab Authority at #702-486-6532 to notify taxi dispatch centers. After hours, contact the Nevada Highway Patrol Office #775-688-2830 to notify the taxi dispatch centers.

Call the Grayline dispatch office at #702-384-1234 to notify the Las Vegas Transit System (LVTS).

Contact the Regional Transportation Commission, Public Information Operator at #702-676-1500 or #702-676-1822 or ATC/VanCom, Public Information Operator at #702-636-0623 to reach Citizens Area Transit (CAT) Bus System.

Nursing Homes, Major Industries, Institutions

Use telephone notification, public safety vehicle sirens and loudspeakers, and personal contact.

SPECIAL GROUPS WARNING METHODS

Hearing-impaired Persons

Call the Southern Nevada Center for Independent Living at #702-889-4216 (Voice) and TDD or the Deaf and Hard of Hearing Advocacy Center at #702-363-3323 (711) Relay.

Non-English Speaking Groups

Contact Radio Station KDOX (Spanish language station) at #702-732-1664, and Univision TV Station, Channel 15 at #702-434-0015 which broadcasts in English and Spanish.

District Court Interpreter

Call the District Court Interpreter at #702-671-4578. The District Court Interpreter has contract translators for 118 languages. Contractors charge a range of fees for translation service depending on the technical difficulty of a message. The predominant foreign languages of local citizens are: Spanish, Cambodian, Laotian, Chinese,

Vietnamese, Russian and Korean. Visitors' languages are predominantly French, Portuguese, Japanese, Russian, and German.

Municipal Court Interpreter

The Las Vegas Municipal Court Marshals have implemented a communication system which employs SpeechGuard Language Devices. The SpeechGuard is a handheld language translation device which aids in communicating with non-English speaking residents and visitors to the courts, which aids in emergency response activities.

EVACUATION

EVACUATION

PURPOSE

The purpose of this section is to provide guidelines to conduct an evacuation of citizens in a geographic area during an emergency incident. The potential for evacuation should be considered during all emergency incidents. The key to an organized and manageable evacuation is to develop an Incident Management System early and initiate a plan and to continually update the plan.

1. A plan for evacuation should address the following factors:
 - A command structure.
 - Need for evacuation versus in-place sheltering.
 - Early notification of the police department.
 - Identification of an area to be evacuated, perimeters, etc.
 - Resources needed.
 - Speed of evacuation, time frames.
 - Identification of shelter sites and preparation of these sites.
 - Estimation of the duration of the evacuation.
 - Planning the re-entry of those evacuated.
 - Information about hazard and evacuation presented to evacuees.
 - Follow-up with evacuees on re-entry.
 - Security of the area evacuated.

2. Other areas that will need to be considered also include:
 - Assignment of a Police Liaison Officer.
 - Communications.
 - Information Officer.
 - Establishing a Transportation Branch/Group for evacuees.
 - Communicating evacuation plan and shelter sites to the Command organizations of all agencies involved.

AREA OF EVACUATION

The area of evacuation should be identified by the Incident Commander and documented by the Planning Section. The evacuation boundaries should follow streets and established roadways. A map should be utilized and distributed to all officers and agencies involved and provided to the Evacuation Branch. Maps need to be provided to the police department.

In some situations, in-place sheltering can be used to protect the public rather than to initiate an evacuation. In-place sheltering can be considered during the following circumstances:

- The hazardous material has been identified as having a low or moderate level of health risk.
- The material has been released from its container and is dissipating.
- Leaks can be controlled rapidly and before evacuation can be completed.
- Exposure to the product is expected to be short-term and pose a low health risk.

- The public can be protected adequately by staying indoors.

Command may need to provide instructions to the affected public regarding the need to stay indoors and to employ protective measures such as shutting down their Heating Ventilation Air-Conditioning (HVAC) systems and sealing their buildings.

LEVELS OF EVACUATION

There are three levels of evacuation. Each requires a different resource commitment. They include:

1. **Site Evacuation** - site evacuation involves a small number of citizens. This typically includes workers at the site and persons from adjacent occupancies or the perimeter area. Evacuation holding times are typically short, generally less than an hour or two, and citizens are permitted to return to their businesses or homes.
2. **Intermediate Level Evacuation** - intermediate level evacuation involves larger numbers of citizens and/or affects a larger area. This level affects off-site homes and businesses and normally affects fewer than 100 persons. Persons may remain out of the area for two to four hours or more. Evacuation completion times will be somewhat longer but generally rapid. Collecting, documenting and controlling the evacuees becomes more difficult. Off-site collection sites or shelter areas will need to be determined and managed. Some evacuees will leave the area on their own or be sent home by employers. Site perimeters become larger and perimeter security requires more resources. Close coordination with the police department and other agencies will be required.
3. **Large-Scale Evacuation** - a large or concentrated release of a hazardous substance may cause a large off-site evacuation. Thousands of citizens could be evacuated. Rapid initiation of the evacuation process may be required. Evacuees may be out of their homes and businesses for many hours if not days. Evacuation completion time frames will be extended. Evacuation shelters will need to be located, opened and managed. Documentation and tracking of evacuees becomes more important as well as more difficult. Very close coordination with the police and other agencies will be required. Site and evacuation perimeters become extended and require much more resources to maintain. Security of the evacuated area is always a concern. In some cases, the Emergency Operating Center (EOC) will be opened to support the evacuation and site operations.

There are no precise parameters differentiating one level of evacuation from another. The Incident Commander must implement organizational elements that meet the needs of each particular incident.

DURATION OF EVACUATION

The evacuation should be sustained as long as the risk continues in the evacuated area. Caution should be taken when deciding to allow residents to return to the homes to ensure that the situation is truly under control. Re-evacuating is difficult to complete because many residents will not want to leave a second time. It can also be extremely

hazardous. Evacuees must be updated with information as soon as possible and periodically throughout the incident.

SHELTER SITE

When developing the evacuation plan, shelter sites must be identified early.

1. Site selection must occur at the time the evacuation is ordered or very soon afterward.

COMMAND STRUCTURE

The Planning Section is responsible for all planning associated with the evacuation. The evacuation plan is communicated to the Incident Commander for approval or modification. The actual evacuation process would normally be managed in the Operations Section as an Evacuation Branch or Group. The Evacuation Branch must be provided with sufficient resources to effectively complete the task. Group or Division assignments within the Evacuation Branch will be assigned as necessary.

The Evacuation Branch Director may be a police officer. Branches will be implemented as needed. Branch Directors receive the plan and objectives from Command. Branch Directors ensure completion of the plan and its objectives. Separate radio channels may be required.

Group/functions to be considered include:

1. Geographic Groups (Multiple Groups)
2. Transportation Group
3. Shelter Groups
4. Other Groups as necessary
5. Staging
6. Liaison Officer
7. Information Officer

COMMAND RESPONSIBILITIES

Command responsibilities include the following items:

1. Rapidly size up the situation to determine the need to evacuate.
2. Develop Evacuation Plan.
3. Request a police supervisor to the command post.
4. Determine evacuation perimeters.
5. Determine the number and location of shelter sites and communicate the locations to the Command organization.
6. Order evacuation.
7. Provide resources required.
8. Establish police liaison.
9. Develop a unified command post.
10. Order the alert of other appropriate agencies.
11. Expand the command organization to meet the incident/evacuation needs.
12. Establish an evacuation plan and communicate the plan to branches, groups, divisions and liaison.

13. Monitor, support and revise the evacuation process as necessary.
14. Evacuate persons from the greatest danger first.
15. Assign specific areas to evacuate in order to avoid duplication or missed areas.
16. Provide the transportation necessary for evacuees.
17. Provide continuing command of the evacuation, demobilization and return of evacuees.

POLICE RESPONSIBILITIES

The police department will be an integral part of the evacuation process, as the police department usually accomplishes a large portion of the evacuation. Police responsibilities include:

1. Provide a ranking officer to the Incident Command Post.
2. Provide a ranking officer to the Evacuation Branch/Group.
3. Develop and maintain a Law Enforcement Branch within the established ICS organization.
4. Provide a communication system for police resources.
5. Provide police resources needed for evacuation.
6. Provide-traffic control and traffic routing.
7. Provide perimeter security.
8. Provide evacuation zone security.
9. Identify transportation needs.

COMMUNICATIONS

A separate radio frequency should be used for the Evacuation Branch. This should be assigned as early in the incident as possible.

PUBLIC INFORMATION OFFICER'S RESPONSIBILITIES

1. Establish Information Officer.
2. Notify the news media and provide status reports and updates as necessary.
3. Provide the media with consistent and accurate evacuation instructions as provided by Command.
4. Utilize the media and coordinate evacuation notices through news media.

MEDIA SUPPORT

The Incident Information Officer should be informed of the evacuation plan so that the media is aware of the areas to be evacuated and shelter sites and any evacuation instructions to the public. The Information Officer should make every effort to assemble the media at the scene to keep them away from hazards and out of the evacuation area. Residents may receive information from the media during the evacuation, so it is critical that the media information be accurate.

Also needed is a single phone number that should be released to the public for information.

WHO SHOULD BE EVACUATED

All residents living/working in the area identified should be evacuated. In the event that a resident decides not to evacuate, they should be specifically informed of the risk and, if they still refuse, left to stay. The Evacuation Branch is to be notified and a note of the citizen's address made for further follow-up.

EVACUATION BRANCH RESPONSIBILITIES

On large-scale evacuations, a Branch-level position on a separate radio channel should be considered. Various sub-level groups and divisions will also need to be established and reported to the Evacuation Branch Director.

Typically, a large commitment of police officers will be required to accomplish an evacuation. The Evacuation Branch Director may be either a police or fire officer. The Evacuation Branch must obtain a ranking police official at his/her location in order to closely coordinate evacuation efforts. An appropriate commitment of police resources must be obtained. Evacuation responsibilities include:

1. Obtain resources needed to evacuate.
2. Obtain ranking police officer as liaison.
3. Provide a ranking fire officer to the Branch Director.
4. Establish divisions and groups as needed.
5. Provide division and group objectives and specific areas to evacuate.
6. Provide divisions and groups with shelter locations and instructions.
7. Provide divisions and groups with evacuation instruction pads and written evacuation information for evacuees if possible.
8. Provide divisions and groups with private vehicle routing instructions (out of the area).
9. Obtain/provide ambulances, buses or other transportation for those requiring transportation out of the area.
10. Evacuate those at greatest risk first.
11. Evacuate the greatest concentrated areas next (i.e., apartment complex).
12. Consider individual divisions or groups for large population occupancies (i.e., multi-story buildings, large apartment complexes, schools, etc.).
13. As individual divisions and groups complete their evacuations, terminate the divisions or groups identity and reassign resources to other developing divisions and groups (for large-scale evacuation).
14. Closely document and maintain records of the evacuation process to avoid duplication or missed areas.
15. Document addresses and times for those refusing to leave.

INFORMATION AND NOTIFICATION

The police and fire departments should be used for resources/staffing to conduct a walk-through or drive-through in the area to be evacuated. Fire departments should be assigned to hazardous areas with police assigned to safe areas. The officers should provide residents with information about the situation and be told that they are being evacuated, to where, and why. It is necessary to inform the residents of shelter areas being established to minimize confusion and anxiety.

ON-SITE NOTIFICATION TO EVACUATE

Door-to-door notification is time-consuming. In many cases, adequate resources and time are not available to do this type of face-to-face notification. Use of sirens, air horns and PA systems will speed the alert process.

- When making door-to-door evacuations:
 1. Be in uniform.

- Face-to-face notification should include the following instructions:
 1. There is an emergency.
 2. You are in danger.
 3. Leave immediately.
 4. Go to shelter (location).
 5. Identify routes out of the area.
 6. Do you need transportation?
 7. Give the citizen the evacuation instruction sheet.
 8. Consider multi-lingual needs.

- Evacuees should be advised to take the following items:
 1. Wallet/Purse
 2. House and Car Keys
 3. Money
 4. Eyeglasses
 5. Medications
 6. Proper/Warm Clothing

- In other situations, where immediate and rapid evacuation makes door-to-door notification impossible, use the following notification method:
 1. Use three (3) five-second blasts of the siren while on the "YELP" setting.
 2. Follow with the standard evacuation instruction over PA system (see instructions above).
 3. Use maximum volume on PA system.
 4. Proceed slowly to maximize notification.
 5. Initiate notification at the beginning of each block and each 50 yards after that.

- Once each assigned grid of objectives is complete report completion to the Evacuation Branch/Group.

- An information phone line may need to be set up to provide an information source for citizens with concerns about the incident. This information would be for family members affected by the evacuation or medical information for Haz/Mat incidents and general information about the evacuation.

REFUSAL TO LEAVE

Some citizens may refuse to leave. A few methods of persuasion to leave include:

1. Be in uniform.
3. Wear SCBA and face piece (air hose may not need to be connected) when advising the citizen to leave.

4. Ask for next of kin and a phone number.
5. Write the next of kin information down.
6. Refusals should be noted and reported to the Evacuation Branch/Group by radio.

Evacuations follow somewhat of a triage philosophy to evacuate the greatest number for the greatest benefit. Individual refusals will be left to fend for themselves. There simply may not be enough time or resources to initiate forced removal of persons from their homes. However, documentation of the refusal should be done. Write the address down (or if radio traffic permits, radio the address to the Evacuation Branch/Group).

TRANSPORTATION BRANCH/GROUP RESPONSIBILITIES

A Transportation Branch/Group should be established within the evacuation branch. Ambulances and other transport vehicles and buses should be staged in the event that a citizen may need transportation to a shelter or other location. Non-ambulatory people must be located and information provided to the Transportation Branch/Group so that they are not overlooked in the evacuation. Responsibilities include:

- Obtain buses (start with a minimum of two) and other vehicles that can be used for transportation.
- Stage all transportation resources.
- Put one firefighter (or police officer) on each vehicle equipped with a fire or police department radio.
- Coordinate with the Evacuation Branch/Group the pick-up points or addresses of those citizens needing transportation.

EMERGENCY OPERATING CENTER (EOC) OPERATIONS

- If a significant or major evacuation occurs, the Emergency Operating Center (EOC) may go into operation. The EOC will collect department heads and senior staff from the fire, police, manager's office, public works and other County departments to the EOC. The EOC's objective is to use the County's resources to support the incident.
- Command should be prepared for this support and potential policy direction in regards to the incident and evacuation operations.
- If the EOC is in operation, the Planning Section is responsible for briefing and maintaining communication with the EOC.
- Responsibilities of the Planning Section's EOC Liaison Officer are:
 1. Obtain a radio communication link with the EOC (through Combined Fire & EMS Communications Center on a separate channel).
 2. Obtain a cellular telephone or other communications link with the EOC.
 3. Obtain an immediate status report from Command and provide that report to the EOC fire officer.
 4. Provide an immediate report to the EOC on any changes in plans, strategy, problems encountered, etc.
 5. Provide progress reports every 30 minutes unless the EOC requires more frequent reports.

6. Act as the communications link from EOC to Command.
 7. Provide Command with direction, policy information, etc., that is communicated from the EOC.
- For the duration of the evacuation Command will maintain an EOC liaison and a communication link with the EOC throughout the evacuations, including demobilization and return of evacuees.

RETURN EVACUEES

- The decision to return evacuees to their homes will be the sole responsibility of the fire department Incident Commander when the EOC is not operating. If the EOC is operating, the decision to return evacuees will be made by the EOC staff. No other County agency will be authorized to order the return.
- The Planning Section will jointly develop a return plan for evacuees.
- Returning evacuees may require some transportation be provided. A Transportation Group should be reactivated to organize these needs.

HOME SHELTER

Sample EAS Message #1

Take Shelter EAS Announcement

The following message has been released by the _____
Emergency Operations Center:

1. The _____ has announced that an emergency presently exists at _____. Persons living or working within an approximate _____ mile radius of this location are requested to take sheltering actions.
2. There is no need for residents to leave the area in order to take sheltering action.
3. Persons who have taken shelter should observe the following procedures:
 - A. Close all doors and windows.
 - B. Disconnect air conditioners or fans.
 - C. Lower the thermostat setting of any heater or turn off air conditioner/evaporative cooler to minimize the intake of external air.
 - D. Keep pets inside, and to extent possible, bring farm animals under covered facilities.
4. People living, working or traveling in the following areas are affected by this request:

(Repeat the list of areas one time, then continue the message.)
5. Persons living, working or traveling in this area should take sheltering action. Persons traveling to home or work should proceed to their destination in an orderly fashion obeying all traffic regulations. Non-residents traveling in motor vehicles should clear the area in an orderly fashion.
6. All persons traveling in the area in motor vehicles should roll up windows, close air vents, and turn off air conditioners. If in an automobile, or when sheltering is not immediately available, improvised respiratory protection may be taken. Place a handkerchief, towel, or other similar item snugly over the nose and mouth until indoors.
7. You are asked not to do the following: (Read statement a., below, if school is in session.)
 - A. You are requested not to telephone or go to the school your children are attending. They are in a covered protected environment and will be bused home when it is safe to do so.

- B. Do not telephone city, county, state or federal officials directly involved. They will keep you informed of the situation through this station. Do not use the telephone except for medical emergencies.
- 8. The preceding has been an announcement by the _____ Emergency Operations Center. It calls for all persons living or working within a _____ mile radius of _____ to take shelter. For further information, stay tuned to this station.

(Thereafter, this message shall be repeated every five minutes until the station is informed by the EOC to end transmission.)

EVACUATION

Sample EAS Message #2

Evacuation EAS Announcement

The following message has been released by the _____ Emergency Operations Center:

1. The _____ has announced that an emergency condition exists at _____ and recommends the evacuation of all persons living or working within an approximate _____ mile radius of this location.
2. This advisory affects persons living in the following area:

(Repeat the list of affected areas one time, then continue the message.)
3. Please use the following evacuation routes for your neighborhood. If you will need a place to stay, report to the mass care center located at _____.

(Repeat the list of affected areas one time, then continue the message.)
4. If you have housebound persons or invalids in your home and require assistance in moving them, contact the _____ Emergency Operations Center at _____.
5. Please cooperate by checking on persons who may live alone in your neighborhood. If they have no way of providing for their own transportation, please assist them if possible.
6. Persons affected by this evacuation advisory should prepare to spend a minimum of three days away from home and should have with them sufficient quantities of clothing, sleeping bags or blankets, personal care items and prescription drugs for at least this period. Persons evacuating to mass care centers will be provided with food and sanitary facilities. Pets will not be allowed inside the mass care centers.
7. Farmers/ranchers affected by this evacuation advisory should shelter their animals and contact their County USDA agricultural agent, 388-6311, for further instructions regarding protection of livestock, foodstuffs, and regaining access to the evacuated area.
8. Persons planning to evacuate are reminded to take the following steps prior to leaving:
 - A. Secure your home and property.
 - B. Turn off all lights and electrical appliances.
 - C. Turn down any heating systems (or turn off air conditioning systems).

- D. Proceed calmly to your destination, obeying all traffic laws and driving carefully.
 - E. Please obey the police and others who will be directing traffic along the evacuation routes.
9. The preceding has been an announcement by the _____ Emergency Operations Center regarding recommendation by the _____ for the evacuation of all persons living within a _____ mile radius of the _____. For further information, please stay tuned to this station.

SCHOOL EVACUATION

Sample EAS Message #3

School Evacuation EAS Announcement

1. The following message has been released by the _____ Emergency Operations Center. It supplements instructions given to the public concerning the evacuation announcement for an approximate _____ mile radius of _____.
2. Parents with children attending schools within a _____ mile radius of _____ are advised that their children are subject to a separate evacuation plan while school is in session. These schools are _____. Children at these schools will be taken directly to shelter areas. Parents are to meet their children at these shelter areas outside the emergency zone. I repeat, children will be taken directly to areas outside the risk area where parents are to meet their children. Parents are not to report to their children's schools.
3. Children attending the schools in the risk area will be taken to the following areas where they may be picked up:

<u>School</u>	<u>Evacuation Area</u>
---------------	------------------------

(Repeat list one time and continue the message.)

4. Parents are urged not to telephone or to go to the schools their children attend. To do so will only create confusion. Parents are to meet their children at the previously announced evacuation areas. I repeat, parents are urged not to telephone or to go to the schools that their children attend, but to meet their children at the evacuation areas.
5. The preceding has been an announcement by the _____ Emergency Operations Center giving parents instructions on where to meet their children who are attending schools within an approximate _____ mile radius of _____.

(Repeat entire message one time.)

ABBREVIATIONS

ABBREVIATIONS

The following is a list of some of the acronyms that are commonly encountered when dealing with hazardous materials.

AAR	Association of American Railroads
ANSI	American National Standards Institute
API	American Petroleum Institute
ARC	American Red Cross
ARES	Amateur Radio Emergency Services
ASME	American Society of Mechanical Engineers
ASME CODE	American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Sections VIII & IX, 1977
ASTM	American Society for Testing and Materials
ATA	American Trucking Association
BOE	Bureau of Explosives
BLEVE	Boiling Liquid Expanding Vapor Explosion
BMG	Nevada Bureau of Mines
CAA	Clean Air Act of 1990, As Amended
CAB	Civil Aeronautics Board
CAER	Community Awareness and Emergency Response - Developed by CMA
CAMEO	Computer Aided Management of Emergency Operations
CAS	Chemical Abstract Service
CBRNE	Chemical, Biological, Radiological, Nuclear, Explosive
CEPP	Chemical Emergency Preparedness Program (EPA)
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980, As Amended ("Superfund" Act)
CFR	Code of Federal Regulations

CGA	Compressed Gas Association
CHARM	Chemical Hazard Air Release Model
CHEMNET	A mutual aid network between chemical shippers and for hire contractors that will provide advice and assistance at the scene of serious chemical distribution incidents
CHEMTREC	Chemical Transportation Emergency Center
CHLOREP	Chlorine Emergency Plan
CHRIS	Chemical Hazards Response Information System
CMA	Chemical Manufacturers Association
COFC	Container on Flat Car
CPC	Chemical Protective Clothing
CPSC	Consumer Product Safety Commission
CRC	Chemical Reduction Corridor (decontamination)
CVCF	Commercial Vessel Casualty File
CWA	Clean Water Act of 1990, As Amended
DEA	U.S. Drug Enforcement Administration
DECON	Decontamination
DEM	Division of Emergency Management
DEP	Division of Environmental Protection - Hazardous Waste
DFO	Disaster Field Office
DHHS	U.S. Department of Health and Human Services
DOC	U.S. Department of Commerce
DOD	U.S. Department of Defense
DOI	U.S. Department of the Interior
DOT	U.S. Department of Transportation
DSR	Disaster Survey Report

EAS	Emergency Alert System
EEL	Emergency Exposure Limit
EENET	FEMA's Emergency Education Network
EHS	Extremely Hazardous Substance
EIS	Emergency Information Systems
EM	Emergency Measures
EMT	Emergency Medical Technician
EOC	Emergency Operations Center
EODA	Explosive and Other Dangerous Articles Act of 1921, As Amended
EPA	U.S. Environmental Protection Agency
EPA"400"List	The November 1986 EPA published list of 402 substances subject to the reporting and emergency planning requirement of the Superfund Right-To-Know Act
EPCRA	Emergency Planning and Community Right-To-Know Act of 1986 (Title III created from SARA)
ESD	Emergency Services Director
EWS	Early Warning System
FAA	Federal Aviation Administration
FARS	Fatal Accident Reporting System
FDA	U.S. Food & Drug Administration
FEMA	Federal Emergency Management Agency
FFDCA	Federal Food, Drug, and Cosmetic Act
FHA	Federal Housing Administration
FHWA	Federal Highway Administration
FIRM	Flood Insurance Rate Maps
FR	Federal Register

FRA	Federal Railroad Administration
FRERP	Federal Radiological Emergency Response Plan
FWPCA	Federal Water Pollution Control Act of 1972, As Amended
GAR	Governor's Authorized Representative
GPM	Gallons Per Minute
HAZMAT	Hazardous Materials
HAZOP	Hazard and Operability Study
HAZWOPER	OSHA Hazardous Waste Operations and Emergency Response Standard
HLNW	High-Level Nuclear Waste
HMC	Hazardous Materials Coordinator
HMGL	HazMat Group Leader
HMIG	Hazardous Materials Identification Guide
HMIS	Hazardous Materials Information Systems (DOT-OHMT)
HMTA	Hazardous Materials Transportation Act
HMTUSA	Hazardous Materials Transportation Uniform Safety Act
HZ	Hot Zone
IAEA	International Atomic Energy Agency
IATA	International Air Transport Association
IC	Incident Commander
ICAO	International Civil Aviation Organization
ICBO	International Congress of Building Officials
ICC	Interstate Commerce Commission
ICRP	International Council on Radiation Protection
ICS	Incident Command System

ID	Identification
IDLH	Immediately Dangerous to Life and Health
IIHS	Insurance Institute for Highway Safety
IM	Intermodal (intermodal tank)
IMDG CODE	International Maritime Dangerous Goods Code, Volumes I, II, III and IV, 1977
IME	Institute of Makers of Explosives
IMO	International Maritime Organization
LC	Lethal Concentration
LD	Lethal Dose
LEPC	Local Emergency Planning Committee
LEVEL A	Personal protective equipment to be selected when the greatest level of skin, respiratory, and eye protection is required
LEVEL B	Personal protective equipment to be selected when the highest level of respiratory protection is necessary, but a lesser level of skin protection is needed
LEVEL C	Personal protective equipment to be selected when the concentration(s) and type(s) of airborne substance(s) is known and the criteria for using air purifying respirators are met
LEVEL D	A work uniform affording minimal protection; used for nuisance contamination only
LFL/LEL	Lower Flammable (Explosive) Limit
LLNW	Nuclear Wastes
LNG	Liquefied Natural Gas
LPG	Liquefied Petroleum Gas
LSA	Low Specific Activity
LUST	Leaking Underground Storage Tank
MOU	Memorandum of Understanding

MSDS	Material Safety Data Sheet
MSHA	Mine Safety and Health Administration
MTB	Materials Transportation Bureau (DOT)
NOS	Not Otherwise Specified
NA/UN	North American/United Nations - Hazardous Materials Codes
NACA	National Agricultural & Chemical Association
NACE	National Association of Corrosive Engineers
NASS	National Accident Sampling System
NASTTPO	National Association of Sara Title III Program Officials
NCI	National Cancer Institute
NCP	National Contingency Plan
NCRIC	National Chemical Response & Information Center
NCRP	National Council on Radiation Protection and Measurement
NDC	National Drug Code
NDF	Nevada Division of Forestry
NDOT	Nevada Department of Transportation
NFPA	National Fire Protection Association
NHP	Nevada Highway Patrol
NHTSA	National Highway Traffic Safety Administration
NIEHS	National Institute of Environmental Health Sciences
NIMS	National Incident Management System
NIOSH	National Institute for Occupational Safety and Health
NMFC	National Motor Freight Classifications
NNSA	National Nuclear Security Administration
NPAC	National Poison Antidote Center

NPCA	National Paint and Coating Association
NRC	U.S. Nuclear Regulatory Commission
NRC	National Response Center
NRS	Nevada Revised Statutes
NRT	National Response Team
NTP	National Toxicology Program
NTSB	National Transportation Safety Board
NTTCI	National Tank Truck Carriers, Inc.
NVOO	DOE Nevada Operations Office
NWPA	Nuclear Waste Policy Act of 1982
NWS	National Weather Service
OHM-TADS	Oil and Hazardous Materials Technical Assistance Data System
OHMT	Office of Hazardous Materials Transportation, Research and Special Programs Administration (DOT)
OPD	Over Pack Drum or Recovery Drum
OPPSD	Organic Peroxide Producers Safety Division
OPS	Operations Chief
ORM	Other Regulated Materials
OSC	On-Scene Coordinator or Operations Support Center
OSHA	Occupational Health and Safety Act of 1970
OTA	U.S. Office of Technology Assessment
PA	Public Address
PATRAM	Packaging and Transportation of Radioactive Materials
PEL	Permissible Exposure Limit (OSHA)
PIO	Public Information Officer

PIRS	Pollution Incident Reporting System
PL	Public Law
PPE	Personal Protective Equipment
PPM	Parts Per Million
PSIA	Pounds Per Square Inch, Absolute
PSIG	Pounds Per Square Inch, Gauge
PSTM	Pesticide Safety Team Network
RACES	Radio Amateur Civilian Emergency Services
RAT	Radiological Assistance Team (DOE)
RCRA	Resource Conservation and Recovery Act of 1976, As Amended
REMSA	Regional Emergency Medical Service Authority
RFCD	Regional Flood Control District
RHMRT	Regional Hazardous Materials Response Team
RMP	Risk Management Plan
RQ	Reportable Quantity
RRC	Regional Response Center
RRT	Regional Response Team or Radiological Response Team
RSPA	Research and Special Programs Administration (DOT-OHMT)
RTK	Right To Know
SADT	Self Accelerating Decomposition Temperature Test (published by OPPSD)
SARA	Superfund Amendments and Re-Authorization Act of 1986 (See EPCRA)
SBA	Small Business Administration
SCBA	Self Contained Breathing Apparatus
SCF	Standard Cubic Foot

SERC	State Emergency Response Commission
SFHA	Special Flood Hazards Area within Clark County
SHMED	State Hazardous Materials Enforcement Development Program (U.S. DOT)
SIC	Standard Industrial Codes
SOP	Standard Operating Procedure
SQG	Small Quantity Generator
STC	Single Trip Container
STCC	Standard Transport Commodity Code (ICC)
STEL	Short Term Exposure Limit
TECP SUIT	Totally Encapsulated Chemical Protective Suit
TIER I/II	Title III reporting requirements of hazardous chemicals that must submit for each applicable OSHA category of health and physical hazard of chemicals at each location
TITLE III	Part of SARA known as Emergency Planning and Community Right-To-Know Act of 1986
TLV/TWA	Threshold Limit Value/Time Weighted Average
TOFC	Trailer on Flat Car (piggy back)
TPQ	Threshold Planning Quantity
TRADE	Training Resources and Data Exchange
TRU	Transuranic Elements
TSC	Transportation Systems Center (DOT)
TSCA	Toxic Substances Control Act, 1976
TSDF	Treatment, Storage and Disposal Facility
TSI	Transportation Safety Institute
TTMA	Truck Trailer Manufacturers Association

USC	United States Code
UFC	Uniform Freight Classification
UFL/UEL	Upper Flammable (Explosive) Limit
UN/NA	United Nations/North American - Hazardous Materials Code
UNK	Unknown
UP	Union Pacific
USCG	United States Coast Guard
WCSC	Waterborne Commerce Statistics Center (U.S. Army Corps of Engineers)
WT	Water Tight

DEFINITIONS

DEFINITIONS

Authority Having Jurisdiction. The "authority having jurisdiction" is the organization, office or individual responsible for "approving" equipment, an installation or procedure.

CAER. Community Awareness and Emergency Response: local group of manufacturers or users with public involvement (by Chemical Manufacturers Association).

CERCLA. Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (or Superfund): regarding hazardous substance releases into the environment and the cleanup of inactive hazardous waste disposal sites.

CHEMTREC. Chemical Transportation Emergency Center: operated by Chemical Manufacturers Association and can be reached 24 hours a day at (800) 424-9300.

Cold Zone. This area contains the command post and such other support functions as are deemed necessary to control the incident. This is also referred to as the clean zone or support zone in other documents.

Competence. Possessing knowledge, skills and judgment needed to perform indicated objectives satisfactorily.

Confinement. Those procedures taken to keep a material in a defined or local area.

Container. Any bag, barrel, bottle, box, can, cylinder, drum, reaction vessel, storage tank, or the like that contains a hazardous material.

Contaminant/Contamination. A substance or process that poses a threat to life, health, or the environment.

Control. The procedures, techniques, and methods used in the mitigation of a hazardous materials incident, including containment, extinguishment, and confinement.

Control Zones. The designation of areas at a hazardous materials incident based upon safety and the degree of hazard. Many terms are used to describe the zones involved in a hazardous materials incident. For purposes of this standard, these zones shall be defined as the hot, warm and cold zones.

Coordination. The process used to get people, who may represent different agencies, to work together harmoniously in a common action or effort.

Cyberterrorism. The premeditated, politically motivated attack against information, computer systems, computer programs, and data which result in violence against noncombatant targets by sub-national groups or clandestine agents.

Decontamination (Contamination Reduction). The physical and/or chemical process of reducing and preventing the spread of contamination from persons and equipment used at a hazardous materials incident.

Decontamination Area. The area, usually located within the warm zone, where decontamination takes place.

Degradation. A chemical action involving the molecular breakdown of a protective clothing material due to contact with a chemical. The term degradation may also refer to the molecular breakdown of the spilled or released material to render it less hazardous.

Demonstrate. To show by actual use. This may be supplemented by simulation, explanation, illustration, or a combination of these.

Describe. To explain verbally or in writing using standard terms recognized in the hazardous materials response community.

Evacuation. The systematic removal of person(s) from a potentially hazardous situation or environment. (Outside the designated contaminated area.)

Hazard/Hazardous. Capable of posing an unreasonable risk to healthy, safety, or the environment; capable of doing harm.

Hazard Division. That function of an overall Incident Command System that deals with the actual mitigation of a hazardous materials incident. It is directed by a division supervisor and principally deals with the technical aspects of the incident.

Hazard Division Supervisor. The person responsible for the management of the hazard division.

Hazardous Material. A substance (gas, liquid, or solid) capable of creating harm to people, property, and the environment.

(a) *Hazardous Materials.* The United States Department of Transportation (DOT) uses the term *hazardous materials*, which covers eight hazard classes, some of which have sub-categories called classifications, and a ninth class covering other regulated materials (ORM). DOT includes in its regulations hazardous substances and hazardous wastes as an ORM-E, both of which are regulated by the Environmental Protection Agency (EPA), if their inherent properties would not otherwise be covered.

(b) *Hazardous Substances.* EPA uses the term *hazardous substances* for chemicals which, if released into the environment above a certain amount, must be reported and, depending on the threat to the environment, federal involvement in handling the incident can be authorized. A list of the hazardous substances is published in 40 CFR Part 302, Table 302.4.

(c) *Extremely Hazardous Substances.* EPA uses the term *extremely hazardous substance* for the chemicals which must be reported to the appropriate authorities if released above the threshold reporting quantity. Each substance has a threshold

reporting quantity. The list of extremely hazardous substances is identified in Title III of Superfund Amendments and Reauthorization Act (SARA) of 1986 (40 CFR Part 355).

(d) *Toxic Chemicals*. EPA uses the term *toxic chemical* for chemicals whose total emissions or releases must be reported annually by owners and operators of certain facilities that manufacture, process, or otherwise use a listed toxic chemical. The list of toxic chemicals is identified in Title III of SARA.

(e) *Hazardous Wastes*. EPA uses the term *hazardous wastes* for chemicals that are regulated under the Resource, Conservation and Recovery Act (40 CFR Part 261.33). Hazardous wastes in transportation are regulated by DOT (49 CFR Parts 170-179).

(f) *Hazardous Chemicals*. The United States Occupational Safety and Health Administration (OSHA) uses the term *hazardous chemical* to denote any chemical that would be a risk to employees if exposed in the work place. Hazardous chemicals cover a broader group of chemicals than the other chemical lists.

(g) *Hazardous Substances*. OSHA uses the term *hazardous substance* in 29 CFR Part 1910.120, which resulted from Title I of SARA and covers emergency response. OSHA uses the term differently than EPA. Hazardous substances, as used by OSHA, cover every chemical regulated by both DOT and EPA.

The classes of hazardous materials, as defined by the U.S. Department of Transportation, are:

1. Explosives - Compounds, mixtures, or devices designed to function with substantially instantaneous releases of gas and heat.
2. Compressed Gas - Materials or mixtures in a container under pressure.
3. Flammable Liquids - Liquids that give off ignitable vapors at temperatures of 200 degrees Fahrenheit or less.
4. Flammable Solids - Solid materials other than explosives that are liable to cause fires through friction, retained heat from manufacturing or processing, or that can be ignited readily.
5. Oxidizers - Materials that yield oxygen readily to stimulate combustion.
6. Poisons - Materials that can harm living organisms -- specifically people, but also animals and plants -- through inhalation (breathing), absorption through the skin, or by ingesting (eating).
7. Etiologic Agents - Germs or toxins that may cause disease in humans.
8. Irritants - Materials that cause discomfort, but usually not death.
9. Radioactive Materials - These are materials that spontaneously emit ionizing radiation.
10. Corrosives - Materials that cause destruction of human skin tissue.
11. Other Regulated Materials - (ORM) Materials which require appropriate packaging and handling under certain conditions.

Hazardous Materials Response Team. A group of trained response personnel operating under an emergency response plan and appropriate standard operating procedures to control or otherwise minimize or eliminate the hazards to people, property, or the environment from a released hazardous material.

High Temperature Protective Clothing. Protective clothing designed to protect the wearer for short-term high temperature exposures. This type of clothing is usually of limited use in dealing with chemical commodities.

Hot Zone. Area immediately surrounding a hazardous materials incident, which extends far enough to prevent adverse effects from hazardous materials releases to personnel outside the zone. This zone is also referred to as the exclusion zone or restricted zone in other documents.

Identify. To physically select, indicate, or explain verbally or in writing using recognized standard terms.

Incident. A fire involving a hazardous material or a release or potential release of a hazardous material.

Incident Command System. An organized system of roles, responsibilities, and standard operating procedures used to manage and direct emergency operations.

Incident Commander. The person responsible for all decisions relating to the management of the incident. The Incident Commander is in charge at the incident.

Listed. Equipment or materials included in a list published by an organization acceptable to the "authority having jurisdiction" and concerned with product evaluation, that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

NOTE: The means for identifying listed equipment may vary for each organization concerned with product evaluation, some of which do not recognize equipment as listed unless it is also labeled. The "authority having jurisdiction" should utilize the system employed by the listing organization to identify a listed product.

Local Emergency Planning Committee. The local body responsible for carrying out the provisions of Title III.

Material Safety Data Sheet (MSDS). Provided by manufacturers and compounders (blenders) of chemicals, with minimum information about chemical composition, physical and chemical properties, health and safety hazards, emergency response, and waste disposal of the material as required by OSHA 1910.1200.

Monitoring Equipment. Instruments and devices used to identify and quantify contaminants.

National Incident Management System (NIMS). The NIMS integrates existing best practices into a consistent, nationwide approach to domestic incident management that is applicable at all jurisdictional levels and across functional disciplines in an all-hazards context.

Objective. A goal that is achieved through the attainment of a skill, knowledge, or both, which can be observed or measured.

Packaging. Any container that holds a material (hazardous or non-hazardous). Packaging includes non-bulk and bulk packaging.

(a) *Non-bulk Packaging.* Any packaging having a capacity meeting one of the following criteria:

- (1) Liquid - internal volume of 118.9 gallons (450 L) or less;
- (2) Solid - capacity of 881.8 pounds (400 kg) or less; or
- (3) Compressed gas - water capacity of 1000 pounds (453.6 kg) or less.

(b) *Bulk Packaging.* Any packaging, including transport vehicles, having a capacity greater than described above under non-bulk packaging. Bulk packaging for transportation can be either placed on or in a transport vehicle or vessel or is constructed as an integral part of the transport vehicle.

Penetration. The movement of a material through a suit's closures, such as zippers, buttonholes, seams, flaps, or other design features of chemical protective clothing, and through punctures, cuts and tears.

Permeation. A chemical action involving the movement of chemicals, on a molecular level, through intact material.

Personal Protective Equipment. The equipment provided to shield or isolate a person from the chemical, physical, and thermal hazards that may be encountered at a hazardous materials incident.

Adequate personal protective equipment should protect the respiratory system, skin, eyes, face, hands, feet, head, body, and hearing. Personal protective equipment includes both personal protective clothing and respiratory protection.

Protective Clothing. Equipment designed to protect the wearer from heat and/or hazardous materials contacting the skin or eyes. Protective clothing is divided into three types:

- (a) structural fire fighting protective clothing;
- (b) chemical protective clothing; and
- (c) high temperature protective clothing.

Qualified. Having satisfactorily completed the requirements of the objectives.

RCRA. Resource Conservation and Recovery Act (1976). Established a framework for the proper management and disposal of all wastes. RCRA directed EPA to identify hazardous wastes, both generically and by listing specific wastes and

industrial process waste streams. Generators and transporters are required to use wastes with a manifest system. Owners and operators of treatment, storage and disposal facilities also must comply with standards, which are generally implemented through permits issued by EPA or authorized states.

Release. Spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment or discarding of barrels, containers, and other closed receptacles) of any "toxic chemical".

Rescue. The systematic removal of person(s) from a hazardous situation or environment. (Inside the designated contaminated area).

Respiratory Protection. Equipment designed to protect the wearer from the inhalation of contaminants. Respiratory protection is divided into three types:

- (a) positive pressure self-contained breathing apparatus;
- (b) positive pressure self-contained air respirators; and
- (c) air purifying respirators.

Response. That portion of incident management in which personnel are involved in controlling a hazardous materials incident.

Safely. To perform the objective without injury to self or others, property, or the environment.

Shall. Indicates a mandatory requirement.

Should. Indicates a recommendation or that which is advised but not required.

Stabilization. The period of an incident where the adverse behavior of the hazardous material is controlled.

State Emergency Response Commission (SERC). The state-level organization for the handling of Title III administrative duties, plans, and information. The SERC appoints members to the Local Emergency Planning Committee.

Storage. Refers to the bulk handling of hazardous materials before and after they are transported to the general geographical area of use.

Termination. That portion of incident management in which personnel are involved in documenting safety procedures, site operations, hazards faced, and lessons learned from the incident. Termination is divided into three phases: debriefing the incident, post-incident analysis, and critiquing the incident.

Title III. Emergency Planning and Community Right-To-Know portion of SARA.

Transportation. Refers to the movement of hazardous materials by rail, road, air, and pipeline.

Understanding. The process of gaining or developing the meaning of various types of materials or knowledge.

Usage. Refers to the handling of hazardous materials on a consumable basis.

Warm Zone. The area where personnel and equipment decontamination and hot zone support takes place. It includes control points for the access corridor and thus assists in reducing the spread of contamination. This is also referred to as the decontamination, contamination reduction, or limited access zone in other documents.

BIOLOGICAL WARFARE AGENTS

Acetylcholinesterase. An enzyme that hydrolyzes the neurotransmitter acetylcholine. The action of this enzyme is inhibited by nerve agents.

Aerosol. Fine liquid or solid particles suspended in air, for example, fog or smoke.

Antibiotic. A substance that inhibits the growth of or kills microorganisms.

Antisera. The liquid part of blood containing antibodies.

Atropine. A medication used as an antidote for nerve agents.

Bacteria. Single-celled organisms that multiply by cell division and that can cause disease in humans, plants, or animals.

BDO - Battle Dress Over garment. Multi-piece suit used by the military for protection against chemical warfare agents.

Biochemicals. The chemicals that make up or are produced by living things.

Biological Warfare. The intentional use of biological agents as weapons to kill or injure humans, animals, or plants, or to damage equipment.

Biological Warfare Agents. Living organisms or the materials derived from them that cause harm to or disease in humans, animals, or plants, or cause deterioration of material. Biological agents may be used as liquid droplets, aerosols, or dry powders.

Bioregulators. Biochemical's that regulate bodily functions. Bioregulators that are produced by the body are termed "endogenous." Some of these same bioregulators can be chemically synthesized.

Blister Agents. Substances that cause blistering of the skin. Exposure is through liquid or vapor contact with any exposed skin (eyes, skin, lungs). For example, mustard gas.

Blood Agents. Substances that injure a person by interfering with cell respiration (the exchange of oxygen and carbon dioxide between blood and tissues).

Casualty (toxic) Agents. Substances that produce incapacitation, serious injury, or death and include the choking, blister, nerve, and blood agents.

Causative Agent. The organism or toxin that is responsible for causing a specific disease or harmful effect.

Chemical Agent. A chemical substance that is intended for use in military operations to kill, seriously injure, or incapacitate people through its physiological effects. Excluded from consideration are riot control agents and smoke and flame materials. The agent may appear as a vapor, aerosol, or liquid; it can be either a casualty/toxic agent or an incapacitating agent.

Choking Agents. Substances that cause physical injury to the lungs. Exposure is through inhalation. In extreme cases, membranes swell and lungs become filled with liquid. Death results from lack of oxygen; hence the victim is "choked."

CNS. Pertaining to the central nervous system.

CNS Depressants. Compounds that have the predominant effect of depressing or blocking the activity of the central nervous system. The primary mental effects include the disruption of the ability to think, sedation, and lack of motivation.

CNS Stimulants. Compounds that have the predominant effect of flooding the brain with too much information. The primary mental effect is loss of concentration, causing indecisiveness and an inability to act in a sustained, purposeful manner.

Contagious. Capable of being transmitted from one person to another.

Culture. A population of microorganisms grown in a medium.

Cutaneous. Pertaining to the skin.

CWA- Chemical Warfare Agents. One of three types of non-conventional warfare (see N.B.C.).

Decontamination. The process of making any person, object, or area safe by absorbing, destroying, neutralizing, making harmless, or removing the hazardous material.

Fungi. Any group of plants mainly characterized by the absence of chlorophyll, the green-colored compound found in other plants. Fungi range from microscopic single-celled plants (such as mold and mildews) to large plants (such as mushrooms).

G-Series Nerve Agents. Chemical agents of moderate to high toxicity developed in the 1930s. Examples are tabun (GA), sarin (GB), and soman (GD).

Host. An animal or plant that harbors or nourishes another organism..

IDLH. Concentrations immediately dangerous to life and health.

Incapacitating Agents. Substances that produce temporary physiological and/or mental effects via action on the central nervous system. Effects may persist for hours or days, but victims usually do not require medical treatment. However, such treatment does speed recovery.

Industrial Agents. Chemicals developed or manufactured for use in industrial operations or research by industry, government, or academia. These chemicals are not primarily manufactured for the specific purpose of producing human casualties or rendering equipment, facilities, or areas dangerous for use by man. Hydrogen cyanide, cyanogen chloride, phosgene, chloropicrin and many herbicides and pesticides are industrial chemicals that also can be chemical agents.

Infectious Agents. Biological agents capable of reproducing in an infected host.

Infectivity. (1) The ability of an organism to spread. (2) The number of organisms required to cause an infection to secondary hosts. (3) The capability of an organism to spread out from the site of infection and cause disease in the host organism. Infectivity also can be viewed as the number of organisms required to cause an infection.

Level A Protection. The level of protective equipment in situations where the hazardous material is considered acutely vapor toxic to the skin or hazards are unknown. Full encapsulation, airtight chemical suit with SCBA or SABA.

Level B Protection. The level of protective equipment in situations where the environment is not considered acutely vapor toxic to skin but may cause respiratory effects. Chemical splash suit or full coverage non-airtight chemical suit with SCBA or SABA.

Level C Protection. The level of protective equipment required to prevent respiratory exposure but not to exclude possible skin contact. Chemical splash suit with cartridge respirator.

Level D Protection. The level of protective equipment required when the atmosphere contains no known hazard, when splashes, immersions, inhalation, or contact with hazardous levels of any chemical is precluded. Work uniform such as coveralls, boots, leather gloves, and hard hat.

Liquid Agent. A chemical agent that appears to be an oily film or droplets. The color ranges from clear to brownish amber.

Mycotoxin. A toxin produced by fungi.

Microorganism. Any organism, such as bacteria, viruses, and some fungi, that can be seen only with a microscope.

Mustard (Vesicants) Agents. See Casualty agents.

N.B.C. - Nuclear, Biological, and Chemical. The three forms of non-conventional warfare.

Nerve Agents. Substances that interfere with the central nervous system. Exposure is primarily through contact with the liquid (skin and eyes) and secondarily through inhalation of the vapor. Three distinct symptoms associated with nerve agents are pinpoint pupils, an extreme headache, and severe tightness in the chest. (See also Casualty agents.)

Non-persistent Agent. An agent that upon release loses its ability to cause casualties after 10 to 15 minutes. It has a high evaporation rate and is lighter than air and will disperse rapidly. It is considered to be a short-term hazard. However, in small unventilated areas, the agent will be more persistent.

Organism. Any individual living thing, whether animal or plant.

Organophosphorus Compound. A compound, containing the elements phosphorus and carbon, whose physiological effects include inhibition of acetylcholinesterase. Many pesticides (malathion and parathion) and virtually all nerve agents are organophosphorus compounds.

Parasite. Any organism that lives in or on another organism without providing benefit in return.

Pathogen. Any organism (usually living) capable of producing serious disease or death, such as bacteria, fungi, and viruses.

Pathogenic Agents. Biological agents capable of causing serious diseases.

PEL - Permissible Exposure Limit. An occupational health term used to describe exposure limits for employees. Usually described in time weighted averages (TWA) or short-term exposure limits (STEL).

Percutaneous Agent. Substance that is able to be absorbed through the skin.

Persistent Agent. An agent that upon release retains its casualty-producing effects for an extended period of time, usually anywhere from 30 minutes to several days. A persistent agent usually has a low evaporation rate and its vapor is heavier than air. Therefore, its vapor cloud tends to hug the ground. It's considered to be a long-term hazard. Although inhalation hazards are still a concern, extreme caution should be taken to avoid skin contact as well.

Precursor. A chemical substance required for the manufacture of chemical agent.

SABA. Supplied air breathing apparatus.

SCBA. Self-contained breathing apparatus.

Spore. A reproductive form some microorganisms can take to become resistant to environmental conditions, such as extreme heat or cold, while in a "resting phase."

Tear Agents. Substances that produce irritating or disabling effects that rapidly disappear within minutes after exposure.

Terrorism. The unlawful use of force or violence against people or property to intimidate or coerce a government, the civilian population, or any segment thereof, in furtherance of political or social objectives. Domestic terrorism involves groups or individuals whose terrorist activities are directed at elements of the U.S. government or population without foreign direction. International terrorism involves terrorist activity committed by groups or individuals who are foreign-based and/or directed by countries or groups outside the United States or whose activity transcends national boundaries.

Toxicity. A measure of the harmful effect produced by a given amount of toxin on a living organism. The relative toxicity of an agent can be expressed in milligrams of toxin needed per kilogram of body weight to kill experimental animals.

Triage. A sorting technique of establishing rescue, decontamination, treatment, and transportation priorities in any event where the number of casualties overwhelm the resources of the emergency response organizations.

V-Series Nerve Agents. Chemical agents of the moderate to high toxicity developed in the 1950s. They are generally persistent.

Vaccine. A preparation of killed or weakened microorganism products used to artificially induce immunity against a disease.

Vapor Agent. A gaseous form of a chemical agent. If heavier than air, the cloud will be close to the ground; if lighter than air, the cloud will rise and disperse more quickly.

Virus. An infectious microorganism that exists as a particle rather than as a complete cell. Particle sizes range from 200 to 400 nanometers (one-billionth of a meter). Viruses are not capable of reproducing outside of a host cell.

Volatility. A measure of how readily a substance will vaporize.

Vomiting Agents. Substances that produce nausea and vomiting effects; can also cause coughing, sneezing, pain in the nose and throat, nasal discharge, and tears.

APPENDICES

Appendix A – Facilities Subject to Reporting Requirements

Information for Appendix A was obtained from the Nevada Combined Hazardous Materials Reporting System. Facilities submit information to this online database on an annual basis. In addition to the online data, information previously submitted on Tier Two Reporting forms was utilized. All of this information was consolidated into Appendix A.

Current Information can be obtained on hazardous chemicals present in any of the referenced facilities by accessing the Nevada Combined Hazardous Materials Reporting System.

Facilities Subject to Reporting Requirements

COMPANY NAME	FACILITY_NAME	FACILITY_STREET	FACILITY CITY	FACILITY ID
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #2655	884 S Boulder Highway	Henderson	4810
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #354	3850 E Flamingo Road	Las Vegas	5452
CENTRAL TELEPHONE CO (NV)	CENTRAL TELEPHONE CO (NV) dba CenturyLink	8040 S Las Vegas Boulevard	LAS VEGAS	5022
CENTRAL TELEPHONE CO (NV)	CENTRAL TELEPHONE CO (NV) dba CenturyLink	835 E Desert Inn Road	LAS VEGAS	5027
NIKKISO CRYO INC	NIKKISO CRYO INC	4661 N EAKER Street	NORTH LAS VEGAS	1706
PRECISION CONCRETE	PRECISION CONCRETE	1640 W Brooks Avenue	NORTH LAS VEGAS	1314
CENTRAL TELEPHONE CO (NV)	CENTRAL TELEPHONE CO (NV) dba CenturyLink	125 S Las Vegas Boulevard	LAS VEGAS	5010
MIKES CHEVRON FOOD MART	MIKES CHEVRON FOOD MART	1196 E TROPICANA Avenue	LAS VEGAS	480
CLARK COUNTY SCHOOL DISTRICT	TATE TRANSPORTATION SATELLITE	444 W BROOKS Street	NORTH LAS VEGAS	5270
WESTERN CAB COMPANY	WESTERN CAB COMPANY	801 South Main Street	LAS VEGAS	1214
NUCO2, INC	NuCO2 Supply LLC Las Vegas Depot	6335 S Pecos	LAS VEGAS	1776
PENSKE TRUCK LEASING CO LP	PENSKE TRUCK LEASING CO LP	1132 W Bonanza Road	LAS VEGAS	4839
THE PEP BOYS-MANNY, MOE & JACK OF CALIFORNIA	PEP BOYS 776	4155 S JONES Boulevard, Bldg	LAS VEGAS	4847
CAPITAL CABINET A DIVISION OF MASTERBRAND CABINETS	CAPITAL CABINETS A DIVISION OF MASTERBRAND CABINETS	3645 Losse Road Road	NORTH LAS VEGAS	1406
JAKES CRANE & RIGGING	Jake's Crane, Rigging & Transport Int'l	6109 S S. DEAN MARTIN Drive	LAS VEGAS	960
BANK OF AMERICA	Las Vegas Operations Center	4101 E Charleston Boulevard, Suite 100	LAS VEGAS	962
CITY OF HENDERSON	CITY OF HENDERSON	450 E Galleria Drive	HENDERS ON	968
BALLY'S LAS VEGAS	BALLY'S LAS VEGAS	3645 S Las Vegas Boulevard	LAS	7862

			VEGAS	
HAYCOCK PETROLEUM COMPANY	VALLEY VIEW CARDLOCK	5775 SOUTH VALLEY VIEW	LAS VEGAS	5439
Thomas Petroleum, LLC	POLARIS CARDLOCK	3685 POLARIS Avenue	LAS VEGAS	5440
AMERICAN ASPHALT & GRADING CO	AMERICAN ASHPALT & GRADING CO	3624 GOLDFIELD Street, Bldg	N LAS VEGAS	1512
SUNRISE HOSP/MEDICAL CTR LLC	SUNRISE HOSP/MEDICAL CTR LLC	3186 S MARYLAND Parkway	LAS VEGAS	1084
AUTOZONE INC	AUTOZONE #2211	4410 N Jones Boulevard	LAS VEGAS	5640
GARDA CL WEST, INC.	Garda Las Vegas 121 - 62	1865 south palm Street	LAS VEGAS	5196
SOUTHWEST GAS CORP	APEX TAP	N/A N/A	Apex	5389
NV ENERGY	Silver Hawk Station	15111 Apex Power Parkway	N LAS VEGAS	53645
FAIRWAY CHEVROLET	FAIRWAY CHEVROLET	3100 E Sahara Avenue	LAS VEGAS	720
INTERSTATE BATTERY SYSTEMS LV	INTERSTATE BATTERY SYSTEMS LV	4151 W Oquendo Road	LAS VEGAS	722
CAESARS PALACE	CAESARS PALACE	3570 Las Vegas Boulevard	LAS VEGAS	726
MONIERLIFETILE LLC	MONIERLIFETILE LLC	430 Eastgate Road	HENDERS ON	1106
UNITED REFRIGERATION, INC	UNITED REFRIGERATION, INC	3010 Highland Drive	LAS VEGAS	1126
CANYON STATE OIL COMPANY INC	CANYON STATE OIL COMPANY INC	4581 EAKER Street	NORTH LAS VEGAS	1070
BONANZA BEVERAGE COMPANY	BONANZA BEVERAGE COMPANY	6333 S S. ENSWORTH Street	LAS VEGAS	454
CEMEX - SOUTHERN NEVADA	Losee Ready Mix	4001 Losee Road	NORTH LAS VEGAS	53495
CLARK COUNTY DEPT OF AVIATION	CLARK COUNTY DEPT OF AVIATION-Facility	5757 Wayne Newton Boulevard	LAS VEGAS	7868
THERMO FLUIDS INC	THERMO FLUIDS INC	9 W DELHI Avenue	NORTH LAS VEGAS	1630
DOLLAR TREE STORES INC	DOLLAR TREE #1594	1913 Decatur Boulevard	SPARKS	6143
HOME DEPOT C/O ARCADIS U.S., INC.	The Home Depot #3303	1401 S Lamb Boulevard	Las Vegas	4768

CITY OF LAS VEGAS FIRE/RESCUE	FIRE STATION 2	900 S DURANGO Drive	LAS VEGAS	7850
BLUE BEACON INTERNATIONAL	Blue Beacon Truck Wash of Las Vegas	2932 Losee Road	NORTH LAS VEGAS	5750
SAGUARO POWER COMPANY	SAGUARO POWER COMPANY	435 Fourth Street	HENDERS ON	826
HEARTLAND AUTOMOTIVE SVCS INC	JIFFY LUBE #2665	3420 S RAINBOW	LAS VEGAS	6195
NV ENERGY	Sunrise Station	6300 Vegas Valley Drive	LAS VEGAS	7652
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #365	6150 W Flamingo Road	LAS VEGAS	7677
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #366	25 S Valle Verde Drive	HENDERS ON	7680
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #363	4015 S BUFFALO Drive	LAS VEGAS	7682
LAS VEGAS VALLEY WATER DIST	Anasazi Reservoir	1151 Anasazi Drive	LAS VEGAS	7503
LAS VEGAS VALLEY WATER DIST	Beltway Reservoir	10850 W Charleston Boulevard	LAS VEGAS	7504
MISSION INDUSTRIES	MISSION INDUSTRIES	1100 Foremaster Lane	LAS VEGAS	7557
XO COMMUNICATIONS OF NEVADA	XO COMMUNICATIONS (NV-1)	2240 Corporate Circle	HENDERS ON	6284
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #370	3160 N Rainbow Boulevard	LAS VEGAS	7666
LAS VEGAS VALLEY WATER DIST	Montessori Reservoir	7200 W Warm Springs Road	LAS VEGAS	7509
CARMAX AUTO SUPERSTORES WEST COAST INC	CarMax #7157	1000 W Warm Springs Road	HENDERS ON	53649
HEARTLAND AUTOMOTIVE SVCS INC	JIFFY LUBE #2938	10157 W CHARLESTON Boulevard, Bldg 420	LAS VEGAS	51745
AMERICAN AIRLINES	LAS - AMERICAN AIRLINES	1545 Joel Aller #124 Circle, Bldg	LAS VEGAS	55899
BPB GYPSUM, INC	BPB GYPSUM, INC	13555 N Highway 93	APEX	56139
LEVEL 3 COMMUNICATIONS INC	Mesquite	Exit 110 Hwy 15	MESQUITE	7924
HEARTLAND AUTOMOTIVE SVCS INC	JIFFY LUBE #3005	10440 S EASTERN Avenue	HENDERS ON	54548

CLARK COUNTY DETENTION CENTER	CLARK COUNTY DETENTION CENTER	330 SOUTH CASINO CENTER BLVD. Boulevard	LAS VEGAS	6700
OWENS & MINOR DISTRIBUTION INC	OWENS & MINOR DISTRIBUTION INC	2970 North Lamb Boulevard	LAS VEGAS	57244
METL-SPAN I LTD	METL-SPAN I LTD	4700 Engineers Way	NORTH LAS VEGAS	56150
WAL*MART STORES INC	WALMART #3351	6464 N DECATUR Boulevard	LAS VEGAS	56233
WAL*MART STORES INC	WALMART #2592	1807 W CRAIG Road	NORTH LAS VEGAS	7943
WAL*MART STORES INC	WALMART #5306	5545 SIMMONS Street	NORTH LAS VEGAS	55315
WAL*MART STORES INC	WALMART #3473	4505 W CHARLESTON Boulevard	LAS VEGAS	51983
MISSION INDUSTRIES	MISSION INDUSTRIES	225-A W Carey Avenue	NORTH LAS VEGAS	55094
RIVER CITY PETROLEUM INC	RIVER CITY PETROLEUM INC	3870 E Craig Road Road	LAS VEGAS	52643
ACME UNDERGROUND, INC	ACME UNDERGROUND, INC	660 N EASTGATE Road	HENDERS ON	53700
SUN CITY LANDSCAPES	SCLS - VILLA TRIESTE	8700 CUPP Drive	NORTH LAS VEGAS	55334
MASONRY GROUP NEVADA INC (THE)	MASONRY GROUP NEVADA INC (THE)	4685 Berg Street, Bldg	N LAS VEGAS	52531
COTTONWOOD COVE RESORT & MARINA	COTTONWOOD COVE RESORT & MARINA	10000 Cottonwood Cove Road	SEARCHLI GHT	53955
LAS VEGAS VALLEY WATER DIST	Tropical Reservoir & PS	6125 N El Capitan Way	LAS VEGAS	55052
BLUE RHINO-LAS VEGAS	BLUE RHINO-LAS VEGAS	800 W Roban Avenue	LAS VEGAS	55615
FERRELLGAS RENO	FERRELLGAS	3950 W West Tompkins Way	LAS VEGAS	57236
QUIKRETE LAS VEGAS	QUIKRETE LAS VEGAS	112 W Brooks Avenue	NORTH LAS VEGAS	56977

AUTOZONE INC	AUTOZONE #3740	3926 E Lake Mead Boulevard	Las Vegas	57203
Costco Wholesale Corporation	Costco Warehouse #673	791 Marks Street	Henderson	53486
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #338	6855 Aliante Parkway	NORTH LAS VEGAS	56593
WAL*MART INC/SAM'S CLUB	SAM'S CLUB #4974	2650 E Craig Road	NORTH LAS VEGAS	56994
LOWE'S HIW, INC	LOWE'S OF HENDERSON, NV (Store #1033)	440 MARKS Street	HENDERS ON	54538
Firestone Building Products	Firestone Building Products	4272 Corporate Center Drive	North Las Vegas	57945
Aggregate Industries SWR, Inc.	Shop and Equipment Yard	3101 E Craig Road Road	N Las Vegas	57973
YUCCA MOUNTAIN PROJECT	YUCCA MOUNTAIN PROJECT	1180 N Town Center Drive, Bldg	LAS VEGAS	55942
AMERICAN REFRIGERATION SUPPLIES	American Refrigeration Supplies, Inc.	2950 S Highland Drive, Suite A	Las Vegas	57762
Olin Chlor Alkali Products	Olin Chlor Alkali Products	350 Fourth Street	Henderson	57533
AVIS RENT A CAR SYSTEM INC	AVIS RENT A CAR SYSTEM LLC	121 George Crockett Road	Las Vegas	58070
LAS VEGAS VALLEY WATER DIST	Levi Pumping Station	8840 W Cactus Avenue	Las Vegas	57636
NU EQUIPMENT, INC	NU EQUIPMENT, INC	2980 Marion Drive	Las Vegas	1348
DTG OPERATIONS INC	DTG OPERATIONS INC	7180 HAVEN Street	LAS VEGAS	1218
U S FOODSERVICE	Cheyenne Facility	1685 Cheyenne Avenue	North Las Vegas	57290
DOLLAR TREE STORES INC	Dollar Tree #3224	2250 E. Tropicana, ste 25-28 Avenue	Las Vegas	58456
7-ELEVEN INC	7-Eleven Store #13690	2502 Teddy Drive	Las Vegas	58829
SPEEDEE MART, INC	SPEEDEE MART #115	10490 S Decatur Boulevard	Las Vegas	58162
EnerSys	EnerSys	3878 Civic Center Drive, Bldg B	North Las Vegas	58608
DTG OPERATIONS INC	DOLLAR THRIFTY AUTOMOTIVE GROUP INC	98 E. WARM SPRINGS Road	LAS VEGAS	56590
A T & T CORP	AT&T NEVADA	HWY 95 CHRISTMAS TREE PASS Highway	SPIRIT MOUNTAI N	7568
US DOE WEST AREA POWER ADMIN	Amargosa Substation	350 Greenway Road	Henderson	59052

SDCC	Three Lakes Valley Conservation Center (TLVCC)	21005 Cold Creek Road	Indian Springs	59150
LAS VEGAS VALLEY WATER DIST	Cactus Reservoir	10420 S Rainbow Boulevard	Las Vegas	59075
MGM RESORTS INTERNATIONAL	Circus Circus Hotel/Casino	2880 Las Vegas Boulevard	Las Vegas	58311
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #3756	6665 E Lake Mead Boulevard	Las Vegas	57464
SILVER STATE MATERIALS	Lone Mountain	10500 W Lone Mountain Road	Las Vegas	58655
CENTRAL TELEPHONE CO (NV)	CENTRAL TELEPHONE CO (NV) dba CenturyLink	1175 CASINO Drive	LAUGHLIN	5042
SILVER STATE MATERIALS	Range	5910 RANGE Road	NORTH LAS VEGAS	1288
MIKON CONSTRUCTION CO, INC	MIKON CONSTRUCTION CO, INC	4245 W Reno Avenue	LAS VEGAS	1650
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #2709	816 N Rancho Drive	Las Vegas	4814
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #2842	2755 E Sahara Avenue	Las Vegas	4817
A T & T CORP	A T & T CORP	112 S. 6TH ST. Street	LAS VEGAS	4497
CENTRAL TELEPHONE CO (NV)	CENTRAL TELEPHONE CO (NV) dba CenturyLink	4640 E Tropicana Boulevard	LAS VEGAS	5014
CENTRAL TELEPHONE CO (NV)	CENTRAL TELEPHONE CO (NV) dba CenturyLink	6200 W Spring Mountain Road	LAS VEGAS	5021
NDOT DISTRICT I	NEVADA DEPT OF TRANSPORTATION	SR 164 MP	SEARCHLIGHT	574
CENTRAL TELEPHONE CO (NV)	CENTRAL TELEPHONE CO (NV) dba CenturyLink	4187 E Sahara Avenue	LAS VEGAS	5024
CENTRAL TELEPHONE CO (NV)	CENTRAL TELEPHONE CO (NV) dba CenturyLink	503 Ash Street	BOULDER CITY	5025
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #381	830 S Boulder Highway	HENDERS ON	5459
SPRINT/UNITED MANAGEMENT CO	Sprint Las Vegas NV POP	7941 S Giles Street	LAS VEGAS	5009
CENTRAL TELEPHONE CO (NV)	CENTRAL TELEPHONE CO (NV) dba CenturyLink	3436 Aldebaran Avenue	LAS VEGAS	5011
CLARK COUNTY SCHOOL DISTRICT	COLD STORAGE FACILITY	6350 E TROPICAL Parkway	NORTH LAS VEGAS	5267
EXEL	EXEL	1900 areojet Way	NORTH LAS	1220

			VEGAS	
LOS ANGELES DEPT WATER & POWER	MC CULLOUGH SWITCHING STATION	875 EL DORADO VALLEY Drive	BOULDER CITY	4789
GOOD HUMOR-BREYERS ICE CREAM	GOOD HUMOR-BREYERS ICE CREAM	1001 Olsen Street	HENDERS ON	658
RMI Operating Company, LLC	RMI DELHI	101 W Delhi Street	NORTH LAS VEGAS	1432
READY MIX INC	RMI DELHI	109 W Delhi Street	NORTH LAS VEGAS	1432
CITY OF LAS VEGAS/ENV DIV	East Fleet Services Center (East Yard)	3128 E Bonanza Road	LAS VEGAS	1024
PENSKE TRUCK LEASING CO LP	PENSKE TRUCK LEASING CO LP	4510 Vandenburg Road	NORTH LAS VEGAS	4873
NDOT DISTRICT I	NEVADA DEPT OF TRANSPORTATION	jct SR 168	GLENDAL E	582
WEAVER CONSTRUCTION	WEAVER CONSTRUCTION	2590 N NELLIS Boulevard	LAS VEGAS	598
PABCO GYPSUM	PABCO GYPSUM	8000 E. Lake Mead Blvd.	LAS VEGAS	606
AUTOZONE INC	AUTOZONE #2202	3690 E Cheyenne Avenue	LAS VEGAS	5633
Thomas Petroleum, LLC	CHARLESTON CARDLOCK	1190 SOUTH SANDHILL	LAS VEGAS	5441
HAYCOCK PETROLEUM COMPANY	CHARLESTON CARDLOCK	1190 SOUTH SANDHILL	LAS VEGAS	5441
COOL POWER INCORPORATED	COOL POWER INCORPORATED	4466 E. Carey Avenue, Bldg	LAS VEGAS	1526
LARKIN PLUMBING & HEATING INC	LARKIN PLUMBING & HEATING INC	1801 S Industrial Road, Bldg Yellow	LAS VEGAS	1078
HOTEL RAMADA OF NEVADA	HOTEL RAMADA OF NEVADA	3801 S Las Vegas Boulevard	LAS VEGAS	1584
AUTOZONE INC	AUTOZONE #2208	2181 N Ellis Boulevard	LAS VEGAS	5638
AUTOZONE INC	AUTOZONE #2210	1351 N Eastern Avenue	LAS VEGAS	5639
HOUSEHOLD CREDIT SERVICES, INC	HOUSEHOLD CREDIT SERVICES, INC	1111 Town Center Drive	LAS	1158

			VEGAS	
NNSA/NEVADA SITE OFFICE	North Las Vegas Facility	2621 Losee Road	NORTH LAS VEGAS	5144
TROPICANA EXPRESS HOTEL & CASINO	TROPICANA EXPRESS HOTEL & CASINO	2121 S CASINO Drive	LAUGHLIN	1058
UNIVAR USA, INC.	UNIVAR USA, INC.	4650 S. VALLEY VIEW Boulevard	LAS VEGAS	5161
CLARK COUNTY DEPT OF AVIATION	CLARK CO AVIATION/NLV	2730 Airport Drive, Suite 101	NORTH LAS VEGAS	55041
RIVER CITY PETROLEUM INC	RIVER CITY PETROLEUM INC	4915 N Sloan Ln Lane	LAS VEGAS	6012
HEARTLAND AUTOMOTIVE SVCS INC	JIFFY LUBE #2037	2020 E SAHARA Avenue	LAS VEGAS	6192
HOME DEPOT C/O ARCADIS U.S., INC.	The Home Depot #3301	861 S Rainbow Boulevard	Las Vegas	4767
RIO SUITE HOTEL & CASINO	RIO SUITE HOTEL & CASINO	3700 W Flamingo Road	LAS VEGAS	6608
CIRQUE DU SOLEIL (US) INC	TREASURE ISLAND AT THE MIRAGE	3300 LAS VEGAS BLVD S. Boulevard	LAS VEGAS	824
LAS VEGAS VALLEY WATER DIST	LVVWD Main Office Complex	1001 S Valley View Boulevard	LAS VEGAS	7456
LAS VEGAS VALLEY WATER DIST	Warm Springs Reservoir	5590 W Warm Springs Road	LAS VEGAS	7461
MCI	MCI -LAVGNV	4187 E SAHARA Avenue	LAS VEGAS	7518
LAS VEGAS VALLEY WATER DIST	Alta Reservoir	11405 W Alta Drive	LAS VEGAS	7502
MISSION INDUSTRIES	MISSION INDUSTRIES	2300 N. Commerce Street	NORTH LAS VEGAS	7556
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #3565	6255 Centennial Center Boulevard, Suite 130	Las Vegas	53105
FEDEX FREIGHT, INC.	FEDEX FREIGHT, INC.	4610 N LAMB Boulevard	LAS VEGAS	52527
SPRING VALLEY HOSP/MED CTR	SPRING VALLEY HOSP/MED CTR	5400 S Rainbow Boulevard	LAS VEGAS	53579
AMERICAN AIRLINES	LAS - AMERICAN AIRLINES	5757 Wayne Newton Boulevard, Bldg	LAS VEGAS	55899

WAL*MART STORES INC	WALMART #3355	1400 S LAMB Boulevard	LAS VEGAS	56313
LAS VEGAS VALLEY WATER DIST	Reno Reservoir	5025 S Hualapai Avenue	LAS VEGAS	51470
ROCKY RESEARCH	ROCKY RESEARCH	1598 Foothill Drive	BOULDER CITY	6704
YMCA OF SOUTHERN NEVADA	Centennial Hills Community Center YMCA	6601 N Buffalo Drive	LAS VEGAS	57210
WAL*MART STORES INC	WALMART #3655	10440 W CHEYENNE Avenue	LAS VEGAS	55592
CROWN LIFT TRUCKS - LAS VEGAS	CROWN LIFT TRUCKS - LAS VEGAS	141 N Gibson Road	HENDERS ON	56154
Aggregate Industries SWR, Inc.	Bardon Lake Mead and RMx	1 Mile West of Lake Mead and CC215	LAS VEGAS	55916
WAL*MART STORES INC	WALMART #2593	2310 E SERENE Avenue	LAS VEGAS	51977
HARBER CO, INC	HARBER CO, INC	3764 CIVIC CENTER DRIVE Drive, Bldg	N LAS VEGAS	52516
WAL*MART STORES INC	WALMART #1559	201 N NELLIS Boulevard	LAS VEGAS	7941
PEPSI COLA	Pepsi Beverages Company	6500 W Sunset Road	Las Vegas	6662
CITY OF LAS VEGAS FIRE/RESCUE	FIRE STATION 10	1501 S MARTIN LUTHER KING Boulevard	LAS VEGAS	51624
PRIDE WEST	PRIDE WEST	3200 E GOWAN # 101 Road, Suite	NORTH LAS VEGAS	56162
SANDERS CONSTRUCTION INC	SANDERS CONSTRUCTION INC	US 93 US 95	CLARK COUNTY	51884
SILVER STATE MATERIALS	Henderson	450 EASTGATE Road	HENDERS ON	52711
LAS VEGAS VALLEY WATER DIST	Elkhorn Reservoir	7208 N Shaumber Road	LAS VEGAS	57055
ATLANTIC AVIATION LAS VEGAS	ATLANTIC AVIATION LAS VEGAS	275 E Tropicana Avenue	LAS VEGAS	57224
Stratosphere Hotel, Casino & Tower	Stratosphere Hotel, Casino & Tower	2000 South las Vegas Boulevard	Las Vegas	57294
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #399	4840 W Desert Inn Road	LAS VEGAS	51723
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #396	9350 W Flamingo Road	LAS VEGAS	51724
HUGHES NETWORK SYSTEMS LLC	HUGHES NETWORK SYSTEMS LLC	1 N Aerojet Way Way, Bldg	NORTH LAS	56882

			VEGAS	
SCHWAN'S HOME SERVICE	SCHWAN'S HOME SERVICE - 100780	1035 W Cheyenne Avenue	LAS VEGAS	56568
AUTOZONE INC	AUTOZONE #3741	9345 W Russell Road	LAS VEGAS	57200
DO IT BEST CORP	DO IT BEST CORP	1450 W pioneer Boulevard	MESQUITE	55828
WAL*MART STORES INC	WALMART #3847	1120 W PIONEER Boulevard	MESQUITE	55940
J W MARRIOTT LAS VEGAS	J W MARRIOTT LAS VEGAS	221 N RAMPART Boulevard	LAS VEGAS	56661
MCI	MCI - SLONNV	I-15 & HIGHWAY 146	HENDERS ON	57234
SPRINT/UNITED MANAGEMENT CO	SPRINT LAS VEGAS NV PCS SWITCH	871 GRIER Drive, Suite A	LAS VEGAS	56948
READY MIX INC	RMI GARY	6501 W Richmar	LAS VEGAS	56367
CITY OF LAS VEGAS FIRE/RESCUE	FIRE STATION 47	911 RIDGE PINE Street	LAS VEGAS	57190
SMITHS FOOD & DRUG INC	SMITH FOOD & DRUG #334	2255 E centennial Parkway	NORTH LAS VEGAS	56592
LOWE'S HIW, INC	LOWE'S OF C. LAS VEGAS, NV (Store #1639)	4625 W CHARLESTON Boulevard	LAS VEGAS	54541
SOUTHWEST GAS CORP	CENTENNIAL TAP	6241 N 5TH Street	NORTH LAS VEGAS	51165
REPUBLIC ENVIRONMENTAL TECHNOLOGIES OF NV	Sloan Transfer Station	4455 Sloan Road	Las Vegas	6878
DESERT INDUSTRIAL GAS	DESERT INDUSTRIAL GAS	4201 production Court	NORTH LAS VEGAS	1438
Costco Wholesale Corporation	Costco Warehouse #035	222 S Martin Luther King Boulevard	Las Vegas	1194
HOOVER DAM/US BUREAU OF RECLAMATION	HOOVER DAM	U. S. Highway 93	BOULDER CITY	1108
HD SUPPLY CONSTRUCTION SUPPLY LLC	HD SUPPLY CONSTRUCTION SUPPLY, Ltd. (NV012-6137)	4171 Distribution Circle, Suite 105 & 107	North Las Vegas	57774
SHERWIN-WILLIAMS COMPANY-NV	SHERWIN-WILLIAMS #8541	140 RIVERSIDE Road, Suite A	MESQUITE	57602
LOWE'S HIW, INC	LOWE'S OF LAS VEGAS, NV (Store #2271)	5825 S EASTERN Avenue	LAS VEGAS	57707
HOME DEPOT C/O ARCADIS U.S., INC.	The Home Depot #3308	7015 Arroyo Crossing Parkway	Las Vegas	57472
Boyd Gaming Corporation	The Orleans	4500 W Tropicana Ave.	Las Vegas	57478

SUNSTATE EQUIPMENT CO LLC	SUNSTATE EQUIPMENT CO LLC	4701 N Rancho Drive	LAS VEGAS	5737
Desert Meats	Desert Meats	4670 Arville Street	Las Vegas	57787
Desert Meats	Desert Meats	5420 S Valley View Street, Bldg	Las Vegas	57787
US DOE WEST AREA POWER ADMIN	MEAD SUBSTATION	2051 BUCHANAN Boulevard	BOULDER CITY	57799
Olin Chlor Alkali Products	Olin Chlor Alkali Products	8000 Lake Mead Parkway	Henderson	57533
Virgin Valley Water District	treatment plant 32	100 dump road Road	Mesquite	58048
GRAHAM PACKAGING PET TECH INC	Graham Packaging	875 American Pacific Drive	Henderson	57903
Aggregate Industries SWR, Inc.	Bardon Materials Speedway Crusher	1 mile North of Hollywood and Las Vegas Blvd	NORTH LAS VEGAS	56255
Aggregate Industries SWR, Inc.	SNP - Portable Crusher	Trammel Crow Maryland at St Rose	LAS VEGAS	56256
VONS A SAFEWAY COMPANY	VONS 2614 FUEL STATION	7305 S Durango Avenue	Las Vegas	58810
ERGON ASPHALT & EMULSIONS, INC. (PONDEROSA)	Terminal 2 (Z322)	3901 West Ponderosa Way	Las Vegas	58531
AUTOZONE INC	AutoZone #3739	8120 Blue Diamond Road	Las Vegas	58179
RMI Operating Company, LLC	RMI LEE CANYON	15500 Ready Mix Road Road	LAS VEGAS	56366
State of NV Department of Corrections JCC	Jean Conservation Camp	3 Prison Road	Jean	58463
Department of Energy Office of Legacy Management - Yucca Mountain Project Office	DOE Office of Legacy Management - Yucca Mountain Project Office	1551 Hillshire Drive	Las Vegas	58936
NV ENERGY	Goodsprings Energy Recovery Station	1455 Highway 161	Jean	58938
NDOT DISTRICT I	South Maintenance Station	6610 Ullom Drive	Las Vegas	58305
Interstate Brands	Interstate Brands	501 Conestaga Way	Henderson	58656
MGM RESORTS INTERNATIONAL	Monte Carlo Resort & Casino	3770 Las Vegas Boulevard	Las Vegas	58329

HD SUPPLY CONSTRUCTION SUPPLY LLC	HD SUPPLY CONSTRUCTION SUPPLY, Ltd (NV001-6163)	125 Corporate Park Dr	Henderson	57775
TITAN STAIRS, INC	Creative Architectural Products	3430 W Sunset Road, Suite A	Las Vegas	58158
OCEAN SPRAY CRANBERRIES INC	OCEAN SPRAY CRANBERRIES INC	1301 American Pacific Drive	HENDERS ON	852
SILVER STATE MATERIALS	Gowan	143 W Gowan Road	NORTH LAS VEGAS	1264
CENTRAL TELEPHONE CO (NV)	CENTRAL TELEPHONE CO (NV) dba CenturyLink	1033 N Nellis Boulevard	LAS VEGAS	5013
CENTRAL TELEPHONE CO (NV)	CENTRAL TELEPHONE CO (NV) dba CenturyLink	1175 Casino Drive	LAUGHLIN	5015
SOUTHWEST FOUNDATIONS INC	SOUTHWEST FOUNDATIONS INC	513 Eastgate Road	HENDERS ON	560
NDOT DISTRICT I	NEVADA DEPT OF TRANSPORTATION	154 Greta Lane	INDIAN SPRINGS	566
NDOT DISTRICT I	NEVADA DEPT OF TRANSPORTATION	SR 160 MP	MOUNTAIN SPRINGS	568
NDOT DISTRICT I	NEVADA DEPT OF TRANSPORTATION	123 E Washington Avenue	LAS VEGAS	572
CENTRAL TELEPHONE CO (NV)	CENTRAL TELEPHONE CO (NV) dba CenturyLink	4918 W Evergreen Avenue	LAS VEGAS	5023
CENTRAL TELEPHONE CO (NV)	CENTRAL TELEPHONE CO (NV) dba CenturyLink	4996 Swenson Street	LAS VEGAS	5026
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #376	285 E Windmill Avenue	LAS VEGAS	5457
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #347	9851 W Charleston Boulevard	LAS VEGAS	5464
CLARK COUNTY SCHOOL DISTRICT	EUCALYPTUS COMPLEX	4212 EUCALYPTUS Avenue	LAS VEGAS	5269
RMI Operating Company, LLC	RMI DELHI	109 W Delhi Avenue	NORTH LAS VEGAS	1432
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #3753	8021 N Durango Drive	Las Vegas	4833
THE PEP BOYS-MANNY, MOE & JACK OF CALIFORNIA	PEP BOYS 868	4141 RANCHO Drive, Bldg	LAS VEGAS	4848
THE PEP BOYS-MANNY, MOE & JACK OF CALIFORNIA	PEP BOYS 819	7399 W LAKE MEAD Boulevard, Bldg	LAS VEGAS	4850
DESERT TOYOTA	DESERT TOYOTA	6300 West Sahara Avenue	LAS	1034

			VEGAS	
GULFSTREAM PRODUCT SUPPORT CORP.	GULFSTREAM PRODUCT SUPPORT CORP.	5616 Haven Street, Hangar	LAS VEGAS	1566
HERTZ EQUIPMENT RENTAL CORP	HERTZ EQUIPMENT RENTAL CORP	4555 Wynn Rd. Road	LAS VEGAS	594
CALNEV PIPE LINE LLC	CALNEV PIPE LINE LLC	5049 North Sloan Lane	LAS VEGAS	596
GEORGIA-PACIFIC GYPSUM LLC	GEORGIA-PACIFIC GYPSUM LLC	11401 S US Highway 91 Highway	LAS VEGAS	5333
AKZO NOBEL PAINTS, LLC	Glidden Professional Center	4240 Spring Mountain Road	LAS VEGAS	5522
Thomas Petroleum, LLC	VALLEY VIEW CARDLOCK	5775 SOUTH VALLEY VIEW	LAS VEGAS	5439
TOURNAMENT PLAYERS/SUMMERLIN	TOURNAMENT PLAYERS/SUMMERLIN	1750 N Rampart Boulevard, Bldg	LAS VEGAS	1138
NEVADA BEVERAGE COMPANY	NEVADA BEVERAGE COMPANY	3940 W Tropicana Avenue	LAS VEGAS	442
AUTOZONE INC	AUTOZONE #2207	4930 Vegas Drive	LAS VEGAS	5637
AUTOZONE INC	AUTOZONE #5724	702 Canyon Road	BOULDER CITY	5643
AUTOZONE INC	AUTOZONE #5726	8010 S Eastern Avenue	LAS VEGAS	5645
AUTOZONE INC	AUTOZONE #5739	1043 Rainbow Boulevard	LAS VEGAS	5651
AUTOZONE INC	AUTOZONE #5743	3007 N Rainbow Boulevard	LAS VEGAS	5653
AUTOZONE INC	AUTOZONE #5744	1021 W Owens Avenue	LAS VEGAS	5654
NNSA/NEVADA SITE OFFICE	Remote Sensing Laboratory	4600 North Hollywood Boulevard	LAS VEGAS	5145
ERGON ASPHALT PRODUCTS INC	ERGON ASPHALT & EMULSIONS, INC.	6400 W Richmar Avenue	LAS VEGAS	1184
RIVER CITY PETROLEUM INC	RIVER CITY PETROLEUM INC	3315 E Patrick Lane Lane	LAS VEGAS	52642
SWIM-IN ENTERPRISES, INC	SWIM-IN ENTERPRISES, INC	1314 S. Main Street	LAS VEGAS	6000
HEARTLAND AUTOMOTIVE SVCS INC	JIFFY LUBE #1975	4531 N RANCHO Drive	LAS VEGAS	6188
NEV/COLORADO RIVER COMMISSION	NEWPORT SUBSTATION	1235 RICHARD BUNKER Avenue	HENDERS ON	7890

CAP WAREHOUSE	CAP WAREHOUSE	3108 Losee Road	NORTH LAS VEGAS	7893
HOME DEPOT C/O ARCADIS U.S., INC.	The Home Depot #3314	4195 S Fort Apache Road	Las Vegas	54308
NV ENERGY	Clark Station	5640 Stephanie Street	LAS VEGAS	7646
HEARTLAND AUTOMOTIVE SVCS INC	JIFFY LUBE #2666	4310 E CHARLESTON	LAS VEGAS	6196
HEARTLAND AUTOMOTIVE SVCS INC	JIFFY LUBE #2668	2583 WINDMILL Parkway	HENDERS ON	6198
EL DORADO ENERGY LLC	EL DORADO ENERGY LLC	701 Eldorado Valley Drive	BOULDER CITY	6816
WINDSET GREENHOUSES (NEVADA) INC	WINDSET GREENHOUSES (NEVADA) INC	3950 N North Bruce Street	NORTH LAS VEGAS	56506
MCI	MCI - OVTNNV	SR 168 & US 93 / SAW MILL ROAD	OVERTON	7522
CITY OF LAS VEGAS/ENV DIV	Water Pollution Control Facility (WPCF)	6005 E Vegas Valley Drive	LAS VEGAS	6860
A T & T CORP	AT&T NEVADA	250 SPECTRUM	LAS VEGAS	7571
SCP DISTRIBUTORS LLC	SCP DISTRIBUTORS LLC	3209 Meade Avenue	LAS VEGAS	6033
LEVEL 3 COMMUNICATIONS INC	North Las Vegas	One Aerojet Way	Las Vegas	57411
MESA VIEW REGIONAL HOSPITAL	MESA VIEW REGIONAL HOSPITAL	1299 1299 Bertha Howe Ave Avenue, Bldg	MESQUITE	54296
MESA VIEW REGIONAL HOSPITAL	MESA VIEW REGIONAL HOSPITAL	1299 Bertha Howe Ave Avenue, Bldg	MESQUITE	54296
KOHLER RENTAL POWER	KOHLER RENTAL POWER	6280 S Valley View Boulevard, Suite 714	LAS VEGAS	55553
KERN RIVER GAS TRANS CO/LV DIST	Dry Lake Compressor Station	15425 Highway 91 Highway	LAS VEGAS	54011
SANDERS CONSTRUCTION INC	SANDERS CONSTRUCTION INC	240 E Sunpac Avenue, Bldg	HENDERS ON	52484
AUTOZONE INC	AUTOZONE #2241	840 N Lamb Boulevard	LAS VEGAS	54300
AUTOZONE INC	AUTOZONE #2242	9051 W Flamingo Road	LAS VEGAS	54301
LAS VEGAS VALLEY WATER DIST	Charleston Heights Res/PS	301 S Valley View Boulevard	LAS VEGAS	54284
Fletcher Jones Management Group	FLETCHER JONES IMPORTS	7300 W Sahara Avenue	LAS VEGAS	53912

AUTOZONE INC	AUTOZONE #5730	550 E Sahara Avenue	LAS VEGAS	54303
FARM FRESH FOODS	FARM FRESH FOODS	3840 N civic center Drive, Bldg #B	NORTH LAS VEGAS	55007
SUN CITY LANDSCAPES	SUN CITY LANDSCAPES - ANTHEM	2332 RUE ROYALE Street	LAS VEGAS	55792
YESCO, LLC	YESCO, LLC	5119 S Cameron Street	LAS VEGAS	6640
WAL*MART STORES INC	WALMART #1838	3041 N RAINBOW Boulevard	LAS VEGAS	51975
Aggregate Industries SWR, Inc.	Bardon Summerlin Asphalt, Grvl, & Rec	1 Mile West of Summerlin Pkwy and CC215	LAS VEGAS	55915
HEARTLAND AUTOMOTIVE SVCS INC	JIFFY LUBE #3085	140 S STEPHANIE	HENDERS ON	55531
WAL*MART STORES INC	WALMART #5269	490 E SILVERADO RANCH Boulevard	LAS VEGAS	55314
CITY OF LAS VEGAS FIRE/RESCUE	FIRE STATION 44	7701 W WASHINGTON Avenue	LAS VEGAS	52649
LEVEL 3 COMMUNICATIONS INC	Boulder City	901 Eldorado Valley Road	BOULDER CITY	55867
WAL*MART INC/SAM'S CLUB	SAM'S CLUB #6261	1910 E Serene Road	LAS VEGAS	51622
LAS FUEL CORPORATION	LAS FUEL CORPORATION	120 MANDALAY BAY	LAS VEGAS	51626
CITY OF LAS VEGAS FIRE/RESCUE	FIRE STATION 43	6420 SMOKE RANCH Road	LAS VEGAS	52648
WAL*MART STORES INC	WALMART #3788	6310 W CHARLESTON Boulevard	LAS VEGAS	56204
BANK OF AMERICA	BANK OF AMERICA-NV1507	1351 Town Center Drive	LAS VEGAS	56696
SUN CITY LANDSCAPES	SUN CITY LANDSCAPES - MAIN OFFICE	4270 W PATRICK Lane	LAS VEGAS	54242
AUTOZONE INC	AUTOZONE 3734	395 W Centennial Parkway	NORTH LAS VEGAS	57197
AUTOZONE INC	AUTOZONE #3743	6530 Boulder Highway	LAS VEGAS	57202
WAL*MART STORES INC	WALMART #5259	6151 W LAKE MEAD Boulevard	LAS VEGAS	55313
SHERWIN-WILLIAMS COMPANY-NV	SHERWIN-WILLIAMS #1415	4168 NORTH PECOS Road, Suite 105	LAS	56384

			VEGAS	
SIERRA READY MIX	SIERRA READY MIX, LLC	13890 S Decatur Boulevard	LAS VEGAS	52478
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #332	7130 N Durango Drive	LAS VEGAS	55880
WAL*MART STORES INC	WALMART #4339	5940 LOSEE Road	LAS VEGAS	56989
LOWE'S HIW, INC	LOWE'S OF SUNRISE, NV (Store #1620)	2875 E CHARLESTON Boulevard	LAS VEGAS	54540
GE Engine Services	GE Transportation Locomotive Combo Unit Rebuild	5406 E El Campo Grande Avenue	North Las Vegas	57820
AMERICAN REFRIGERATION SUPPLIES	American Refrigeration Supplies, Inc.	3020 Westwood Drive	Las Vegas	57762
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #3847	5850 Losee Road	North Las Vegas	57587
CDW Logistics, Inc.	CDW-Western Distribution Center	3201 E Alexander Road	North Las Vegas	57844
SHERWIN-WILLIAMS COMPANY-NV	SHERWIN-WILLIAMS #8115	1224 NORTH BOULDER Highway	HENDERS ON	57594
Sonic Automotive	0099 - Volvo of Las Vegas	7705 W. Sahara Avenue	Las Vegas	57884
Sonic Automotive	0143 - Cadillac of Las Vegas - West	5185 W. Sahara Avenue	Las Vegas	57897
DOLLAR TREE STORES INC	Dollar Tree #2879	4430 N Rancho Drive	Las Vegas	58453
American Pavement Preservation LLC	American Pavement Preservation LLC	4725 E Cartier Avenue	Las Vegas	58587
SPEEDEE MART, INC	SPEEDEE MART #121	804 E Flamingo Road	Las Vegas	58164
CLARK COUNTY DETENTION CENTER	NORTH VALLEY COMPLEX	4900 N N. SLOAN Lane	LAS VEGAS	58588
HD SUPPLY CONSTRUCTION SUPPLY LLC	HD SUPPLY CONSTRUCTION SUPPLY, Ltd. (NV025-6110)	3450 W Teco Avenue	Las Vegas	58615
Department of Energy Office of Legacy Management - Yucca Mountain Project Office	DOE Office of Legacy Management - Yucca Mountain Project Office	1140 Town Center Drive, Suite 300	Las Vegas	58936
UPS Freight	UPS GROUND FREIGHT, LAS VEGAS NEVADA	4624 E. CRAIG Road	LAS VEGAS	59121
The TJX Companies, Inc.	Marmaxx Distribution Center	4100 E Lone Mountain Road	North Las Vegas	59146
Harris Rebar Las Vegas Inc.	Harris Rebar Las Vegas Inc.	2437 Losee Road	North Las Vegas	59367
MGM RESORTS INTERNATIONAL	The Mirage Hotel & Casino	3400 Las Vegas Boulevard	Las Vegas	58308

CENTRAL TELEPHONE CO (NV)	CENTRAL TELEPHONE CO (NV) dba CenturyLink	401 S Buffalo Drive	LAS VEGAS	5020
NDOT DISTRICT I	NEVADA DEPT OF TRANSPORTATION	250 Kyle Canyon Road	MOUNT CHARLES TON	570
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #351	3850 E Flamingo Road	LAS VEGAS	5451
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #351	6130 W Tropicana	LAS VEGAS	5451
NELLIS AIR FORCE BASE	NELLIS AIR FORCE BASE	4430 Grissom Avenue, Suite 101	NELLIS AFB	876
CENTRAL TELEPHONE CO (NV)	CENTRAL TELEPHONE CO (NV) dba CenturyLink	4243 N Las Vegas Boulevard	LAS VEGAS	5030
TRONOX LLC	TRONOX LLC	8000 W LAKE MEAD Parkway	HENDERS ON	4786
CUSA K-TCS, LLC	CUSA K-TCS LLC	795 E Tropicana Avenue	LAS VEGAS	1798
FLIPPINS TRENCHING	FLIPPINS TRENCHING	2645 Marion Drive	LAS VEGAS	1458
WAL*MART INC/SAM'S CLUB	SAM'S CLUB #8177	5101 S Pecos Road	LAS VEGAS	1554
CLARK COUNTY SCHOOL DISTRICT	FACILITY SERVICE CENTER	1180 MILITARY TRIBUTE Place	HENDERS ON	5286
CLARK COUNTY SCHOOL DISTRICT	R.C.WHITE TRANSPORTATION SATELLITE	4499 S ARVILLE Street	LAS VEGAS	5294
POOL CHLOR OF NEVADA	POOL CHLOR OF NEVADA	3590 W Dewey Drive, Bldg	LAS VEGAS	588
VEGAS PROPANE INC	VEGAS PROPANE INC	4610 EAKER Street	NORTH LAS VEGAS	1042
UNITED PARCEL SERVICE	UNITED PARCEL SERVICE	740 N MARTIN LUTHER KING Boulevard	LAS VEGAS	5336
REPUBLIC SERVICES OF SO NV	REPUBLIC SERVICES OF SO NV	13550 US HWY 93 Highway	LAS VEGAS	980
HAYCOCK PETROLEUM COMPANY	A STREET CARDLOCK	300 WEST BONANZA Road	LAS VEGAS	5436
Thomas Petroleum, LLC	SUNSET CARDLOCK	709 WEST SUNSET Road	HENDERS ON	5437
CHARLIE BROWN CONSTRUCTION	CHARLIE BROWN CONSTRUCTION	801 Colton Avenue	NORTH LAS VEGAS	680

LAS FUEL CORPORATION	LAS FUEL CORP	575 KITTY HAWK Way	LAS VEGAS	684
CHEMICAL LIME COMPANY	CHEMICAL LIME COMPANY	8000 W Lake Mead Parkway	HENDERS ON	788
AZ PARTSMaster	AZ PARTSMaster	2950-E S HIGHLAND Drive, Suite	LAS VEGAS	1522
LAS VEGAS FINISHING LLC	LAS VEGAS FINISHING LLC	3261 Builders Avenue, Suite	LAS VEGAS	1528
SYSCO FOOD SERVICES OF LASVEGAS	SYSCO FOOD SERVICES OF LAS VEGAS	6201 E Centennial Parkway	LAS VEGAS	52384
PRIMEX PLASTICS CORPORATION	PRIMEX PLASTICS CORPORATION	752 Turtleback Road, Bldg	MESQUITE	1092
U S FOODSERVICE	US Foods Inc.	1685 W Cheyenne Avenue	NORTH LAS VEGAS	1586
SCP DISTRIBUTORS LLC	Superior Pool Products, LLC	6595-A S Schuster Street	LAS VEGAS	1162
REPUBLIC SERVICES OF SO NV	REPUBLIC SERVICES OF SO NV	1/4 1/4 SO HWY 163 NEEDLES Highway	LAUGHLIN	1170
AUTOZONE INC	AUTOZONE #5917	9336 W Sahara Avenue	LAS VEGAS	5657
AUTOZONE INC	AUTOZONE #2221	2445 E Tropicana Avenue	LAS VEGAS	5658
NORTH VISTA HOSPITAL	NORTH VISTA HOSPITAL	1409 Lake Mead Boulevard	N LAS VEGAS	54294
GAUDIN FORD	GAUDIN FORD	2121 EAST SAHARA Avenue	LAS VEGAS	738
RIVER CITY PETROLEUM INC	RIVER CITY PETROLEUM INC	790 N Gibson Avenue	Henderson	52641
HIGH DESERT STATE PRISON	HIGH DESERT STATE PRISON	22010 Cold Creek Road	INDIAN SPRINGS	50515
UNIFIRST CORPORATION	UNIFIRST CORPORATION	568 Parkson Road	HENDERS ON	448
RIVER CITY PETROLEUM INC	RIVER CITY PETROLEUM INC	5875 S Polaris Avenue	LAS VEGAS	6011
LAS VEGAS VALLEY WATER DIST	Desert Breeze Water Resource Center	4085 S Tomsick Street	LAS VEGAS	52483
PALACE STATION HOTEL & CASINO	PALACE STATION HOTEL & CASINO	2411 W SAHARA Avenue	LAS VEGAS	5985
CITY OF LAS VEGAS FIRE/RESCUE	FIRE STATION 4	421 S 15TH Street	LAS VEGAS	7851

CITY OF LAS VEGAS FIRE/RESCUE	FIRE STATION 9	4747 N RAINBOW Boulevard	LAS VEGAS	7853
SAGUARO POWER COMPANY	SAGUARO POWER COMPANY	8000 W LAKE MEAD Parkway	HENDERS ON	826
NV ENERGY	Harry Allen Station	14601 N Las Vegas Boulevard	LAS VEGAS	7656
LAS VEGAS VALLEY WATER DIST	Wells 28 29 & 33	3595 N Torrey Pines Road	LAS VEGAS	7458
LAS VEGAS VALLEY WATER DIST	Pico Reservoir	6300 W Desert Inn Road	LAS VEGAS	7514
KERN RIVER GAS TRANS CO/LV DIST	Goodsprings Compressor Station	15425 Hlghway 161 Highway	JEAN	52470
REBEL OIL COMPANY, INC	REBEL OIL #47	650 W Highway 95	SEARCHLI GHT	7705
ATC/VANCOM INC	ATC/VANCOM INC	3210 Citizen Avenue	NORTH LAS VEGAS	6832
SOUTHERN NEVADA WATER SYSTEM	River Mountains Water Treatment Facility (RMWTF)	1299 Burkholder Boulevard, Bldg	HENDERS ON	6272
NV ENERGY	Chuck Lenzie Generating Station	11405 US HWY 93	LAS VEGAS	56106
AMERICAN TOWER CORP	THE MIRAGE CASINO - 338838	3400 S LAS VEGAS Boulevard	LAS VEGAS	56018
RIVIERA HOTEL & CASINO	RIVIERA HOTEL & CASINO	2901 S LAS VEGAS Boulevard, Bldg HOTEL/CASI	LAS VEGAS	51744
SO HILLS HOSPITAL/MED CTR	SO HILLS HOSPITAL/MED CTR	9300 W Sunset Road	LAS VEGAS	53581
NEVADA PIPELINE & GRADING CORP	NEVADA PIPELINE & GRADING CORP	4825 E CAREY Avenue	LAS VEGAS	54358
PACIFIC SUPPLY-SPARKS	PACIFIC SUPPLY	1140 W BONANZA Road	LAS VEGAS	52728
HARRAH'S LAS VEGAS, INC	HARRAH'S LAS VEGAS, INC	3475 S LAS VEGAS Boulevard	LAS VEGAS	52491
PETRO STOPPING CENTERS LP	PETRO STOPPING #331	6595 North Hollywood Boulevard	NORTH LAS VEGAS	51113
A T & T MOBILITY, LLC	AT&T MOBILITY - LAS VEGAS	745 E TROPICANA Avenue	LAS VEGAS	56893
Aggregate Industries SWR, Inc.	Bardon - Gowan Asphalt	413 Gowan Street	NORTH LAS VEGAS	55914
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #3575	9540 W Tropicana Avenue	Las Vegas	56274

CITY OF LAS VEGAS FIRE/RESCUE	FIRE STATION 45	3821 N FORT APACHE Road	LAS VEGAS	52650
WAL*MART INC/SAM'S CLUB	SAM'S CLUB #6257	8080 W Tropical Parkway	LAS VEGAS	51621
HOME DEPOT C/O ARCADIS U.S., INC.	The Home Depot #3305	7881 W Tropical Parkway	Las Vegas	50644
YELLOW CAB COMPANY	YELLOW CAB COMPANY	5225 W Post Road	LAS VEGAS	55931
MEDCO HEALTH SOLUTIONS, INC	MEDCO HEALTH SOLUTIONS, INC	6225 Annie Oakley Drive	LAS VEGAS	53965
SILVER STATE MATERIALS	Sloan 1	5300 SLOAN Road	SLOAN	52712
SHOWTIME TOURS/NEVADA COACHES	SHOWTIME TOURS	1550 S Industrial Road	LAS VEGAS	56869
CITY OF LAS VEGAS FIRE/RESCUE	FIRE STATION 8	805 N MOJAVE Road	LAS VEGAS	55907
AUTOZONE INC	AUTOZONE #2250	1340 E Silverado Road	LAS VEGAS	57196
Aggregate Industries SWR, Inc.	Brooks Recycle and Shop	124 W Brooks Avenue	NORTH LAS VEGAS	54187
FED EX GROUND	FED EX GROUND	551 Courier Lane	HENDERS ON	57247
Costco Wholesale Corporation	Costco Warehouse #685	801 S Pavilion Center Drive	Las Vegas	53488
UPS TELESERVICES	UPS TELESERVICES	7120 N Amigo Street	LAS VEGAS	56143
ADAMS TILE & PLASTER OF LAS VEGAS INC DBA ADAMS POOL SOLUTIONS	ADAMS POOL SOLUTIONS	4451 N Walnut Road	NORTH LAS VEGAS	56398
WAL*MART STORES INC	WAL-MART #4356	7200 ARROYO CROSS Parkway	LAS VEGAS	56992
NEVADA STATE MOTOR POOL	NEVADA STATE MOTOR POOL	7060 La Cienega Street	LAS VEGAS	57062
LOWE'S HIW, INC	LOWE'S OF SUMMERLIN, NV (Store #0784)	7550 W WASHINGTON	LAS VEGAS	54537
SWITCH COMMUNICATIONS GROUP LLC	NAP4	4495 E Sahara Avenue	LAS VEGAS	57254
REPUBLIC ENVIRONMENTAL TECHNOLOGIES OF NV	Sloan Transfer Station	4455 W Sloan Road	Las Vegas	6878

LOWE'S HIW, INC	LOWE'S OF NORTH LAS VEGAS, NV (Store #2721)	2570 E CRAIG Road	NORTH LAS VEGAS	57715
DTG Operations, Inc.	Dollar Rental Cars	4775 Swenson Street	Las Vegas	57730
SUBURBAN PROPANE, LP	RANCHO MESQUITE (HOLIDAY INN)	275 MESA Boulevard	MESQUITE	57996
VERIZON WIRELESS/SOUTH	VERIZON WIRELESS/MSC Switch	475 Rock Quarry Way, Bldg main bldg	NORTH LAS VEGAS	6129
HD SUPPLY CONSTRUCTION SUPPLY LLC	HD SUPPLY CONSTRUCTION SUPPLY, Ltd. (NV012-6137)	4171 Distribution Circle Ste. 107	North Las Vegas	57774
UNION PACIFIC RAILROAD	UNION PACIFIC RAILROAD/VALLEY AUTO RAMP	4740 E Tropical Parkway	Las Vegas	57679
BRIDGESTONE AMERICAS TIRE OPERATIONS	GCR Tire Centers	2350 N Nellis Boulevard	Las Vegas	57946
R & L Carriers	Greenwood Motorlines dba R&L Carriers	4485 E Lone Mountain Road	Las Vegas	57617
Sonic Automotive	0144 - Cadillac of Las Vegas - East (Collision Center)	2711 East Sahara Avenue	Las Vegas	57898
NV ENERGY	Walter M. Higgins III Generating Station	1275 East Primm Boulevard	Primm	57639
DOLLAR TREE STORES INC	Dollar Tree #3673	2115 E. Cheyenne Avenue	North Las Vegas	58455
DOLLAR TREE STORES INC	Dollar Tree #3935	1374 W. Cheyenne Avenue	North Las Vegas	58458
MetroPCS Nevada LLC	MetroPCS Warehouse	6585 Escondido Street	Las Vegas	58815
Sunbelt Rentals Inc	Sunbelt Rentals PC #384	175 Pacific Center Drive	Henderson	58794
SWITCH COMMUNICATIONS GROUP LLC	NAP6	4475 E Sahara Avenue	Las Vegas	58801
Ed Bozarth Nevada #1 Chevrolet	Ed Bozarth Nevada #1 Chevrolet	5501 Drexel Road	las vegas	58413
DOLLAR TREE STORES INC	Dollar Tree #2628	1240 Nellis Boulevard	Las Vegas	58462
DTG Operations, Inc.	Dollar Rental Car	98 E Warm Springs Road	Las Vegas	59078
TERRIBLE HERBST INC	TERRIBLE'S #278	1051 DESERT FOOTHILLS Drive	LAS VEGAS	59090
Bed Bath & Beyond Inc.	655 Las Vegas	3717 Bay Lake Trail, Suite 115	North Las Vegas	59361
HOOVER DAM/US BUREAU OF RECLAMATION	Department of Interior- BOR	Hwy 93 Warehouse Highway	Boulder City	58627
Vegas Tunnel Constructors, Inc.	Vegas Tunnel Constructors, Inc.	244 Lakeshore Road	Boulder City	58639
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #2542	1131 E Tropicana Avenue, Suite C	Las Vegas	4808

GCR TRUCK TIRE CENTERS	GCR TRUCK TIRE CENTERS	2350 N nellis Boulevard	LAS VEGAS	1660
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #2738	1060 S Rainbow Boulevard	Las Vegas	4816
BPB GYPSUM, INC	BPB GYPSUM, INC	13500 Blue Diamond Highway	Las Vegas	546
MC CANDLESS INTL TRUCKS INC	MC CANDLESS INTL TRUCKS INC	3780 LOSEE ROAD Road	NORTH LAS VEGAS	1262
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #342	350 N Sandhill Boulevard	MESQUITE	5448
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #371	8555 W Sahara Avenue	LAS VEGAS	5456
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #345	5564 Camino Al Norte	NORTH LAS VEGAS	5462
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #3163	1418 W Craig Road	North Las Vegas	4822
CENTRAL TELEPHONE CO (NV)	CENTRAL TELEPHONE CO (NV) dba CenturyLink	6724 W Lone Mountain Road	LAS VEGAS	5029
CITIBANK (SOUTH DAKOTA) NA/CITIGROUP	CITIBANK (SOUTH DAKOTA) NA/CITIGROUP	8725 W Sahara Avenue, Bldg	LAS VEGAS	1446
THE PEP BOYS-MANNY, MOE & JACK OF CALIFORNIA	PEP BOYS 683	2030 N LAS VEGAS Boulevard, Bldg	NORTH LAS VEGAS	4843
THE PEP BOYS-MANNY, MOE & JACK OF CALIFORNIA	PEP BOYS 685	3995 E CHARLESTON Boulevard, Bldg	LAS VEGAS	4844
THERMO FLUIDS INC	THERMO FLUIDS INC	4000 ARCATA Way	NORTH LAS VEGAS	1038
AMERICAN SAND & GRAVEL LTD	AMERICAN SAND & GRAVEL LTD	5260 BEESELEY DRIVE Drive	LAS VEGAS	592
AMERICAN SAND & GRAVEL LTD	AMERICAN SAND & GRAVEL LTD	6000 N LAS VEGAS Boulevard	LAS VEGAS	592
NEVADA COGENERATION ASSOC #1	GARNET VALLEY	11401 US HWY 93 AND I-15 Highway	LAS VEGAS	632
WAL*MART STORES INC	Walmart #4557	3075 E Tropicana Road	LAS VEGAS	988
Thomas Petroleum, LLC	A STREET CARDLOCK	300 WEST BONANZA Road	LAS VEGAS	5436
SOUTHWEST GAS CORP	LONE MOUNTAIN TAP	5090 Jensen Street	LAS VEGAS	5391

DIAMOND CONSTRUCTION CO INC	DIAMOND CONSTRUCTION CO INC	7885 Westwind Road	LAS VEGAS	706
FITZGERALDS CASINO & HOTEL	FITZGERALDS CASINO & HOTEL	301 FREMONT Street	LAS VEGAS	708
TITANIUM METALS CORPORATION	TITANIUM METALS CORPORATION	181 N WATER Street	HENDERS ON	712
SHERWIN-WILLIAMS COMPANY-NV	SHERWIN-WILLIAMS #8113	2032 NORTH BRUCE Street	NORTH LAS VEGAS	1480
SELECT BUILD NEVADA INC	SELECT BUILD NEVADA INC	6255 Range Road	LAS VEGAS	1498
SEARS ROEBUCK AND COMPANY	SEARS # 2754	1511 W Sunset Road	HENDERS ON	6217
CLARK COUNTY SCHOOL DISTRICT	KOEPSSELL TRANSPORTATION SATELLITE	1700 GALLERIA Drive	HENDERS ON	5231
CITY OF LAS VEGAS FIRE/RESCUE	FIRE STATION 7	10101 BANBURRY CROSS Drive	LAS VEGAS	7852
HEALTHSOUTH HOSPITAL HENDERSON	HEALTHSOUTH HOSPITAL HENDERSON	10301 Jeffreys Street	HENDERS ON	50449
HEALTHSOUTH HOSPITAL HENDERSON	HEALTHSOUTH HOSPITAL HENDERSON	10301 Jeffreys Street, Bldg	HENDERS ON	50449
NV ENERGY	Ryan Service Center	2215 Lone Mountain Road	NORTH LAS VEGAS	7650
MCI	MCI - LSKVNV	4428 E SAHARA Avenue	LAS VEGAS	7519
LEVEL 3 COMMUNICATIONS INC	Jean	Near I-15 Off prison road	JEAN	6305
SOUTHERN NEVADA WATER SYSTEM	Alfred Merritt Smith Water Treatment Facility (AMSWTF)	243 Lakeshore Road, Bldg	BOULDER CITY	6270
XO COMMUNICATIONS OF NEVADA	XO COMMUNICATIONS (NV-2)	3125 Palm Center Drive	LAS VEGAS	6283
REBEL OIL COMPANY, INC	REBEL OIL #57	3195 N Rainbow Boulevard	LAS VEGAS	7710
REPUBLIC SERVICES OF SO NEVADA	REPUBLIC SERVICES OF SO NEVADA	560 CAPE HORN Drive	HENDERS ON	6876
MEADOW GOLD DAIRIES	MEADOW GOLD DAIRIES	6350 E East Centennial Parkway	NORTH LAS VEGAS	55047
AMERICAN TOWER CORP	THE MIRAGE CASINO - 338838	3400 S Las Vegas Boulevard	LAS VEGAS	56018
AUTOZONE INC	AUTOZONE #2243	3280 N Durango Drive	LAS	54302

			VEGAS	
LEVEL 3 COMMUNICATIONS INC	Las Vegas	4275 E Sahara Avenue	LAS VEGAS	7925
CARMAX AUTO SUPERSTORES WEST COAST INC	CarMax #7244	6755 West Sahara	LAS VEGAS	54034
LAS VEGAS VALLEY WATER DIST	Water Resource Center	3271 N Durango Road	LAS VEGAS	51471
CEMEX - SOUTHERN NEVADA	Block Plant	5030 N Lamb Boulevard	LAS VEGAS	53516
VEOLIA WATER NORTH AMERICA - WEST LLC	Perchlorate removal system	510 N 4th Street Parkway	HENDERS ON	53522
VEOLIA WATER NORTH AMERICA - WEST LLC	Perchlorate removal system	8000 W Lake Mead Parkway	HENDERS ON	53522
ATLAS CONSTRUCTION SUPPLY	ATLAS CONSTRUCTION SUPPLY	4840 W HACIENDA Avenue	LAS VEGAS	54246
WAL*MART STORES INC	WALMART #5423	6570 E LAKE MEAD Boulevard	LAS VEGAS	55594
KENS FOODS INC	KENS FOODS INC	8925 Ken's Court	LAS VEGAS	56146
WAL*MART STORES INC	WALMART #3354	1401 AMERICAN PACIFIC Drive	HENDERS ON	55591
SAFETY-KLEEN SYSTEMS INC	SAFETY-KLEEN SYSTEMS INC	4582 Donovan Way, Bldg	N LAS VEGAS	51927
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #3614	9721 S Eastern Avenue	Las Vegas	56275
WAL*MART STORES INC	WALMART #2050	300 E LAKE MEAD Drive	HENDERS ON	7942
HARRAHS LAUGHLIN INC	HARRAHS LAUGHLIN INC	2900 s.casino dr. Drive	LAUGHLIN	6660
SHERWIN-WILLIAMS COMPANY-NV	SHERWIN-WILLIAMS #8168	3611 NORTH RANCHO Drive	LAS VEGAS	6680
NEVADA SOLAR ONE	NEVADA SOLAR ONE	602 E Eldorado Valley Dr. Drive	BOULDER CITY	56683
ESTES EXPRESS LINES	ESTES EXPRESS LINES	4350 W Russell Road	LAS VEGAS	56653
STAR NURSERY INC	STAR NURSERY INC	125 Cassia Way	HENDERS ON	52782
REFRIGERATION SUPPLIES DIST	REFRIGERATION SUPPLIES DIST	1841 WESTERN Avenue	LAS VEGAS	56560
SCP DISTRIBUTORS LLC	SCP DISTRIBUTORS LLC	1427 Helm Drive	LAS VEGAS	56333

RMI Operating Company, LLC	RMI GARY	6501 W Richmar	LAS VEGAS	56367
LAS VEGAS VALLEY WATER DIST	Meranto Reservoir	10275 N Meranto Avenue	LAS VEGAS	56591
SWITCH COMMUNICATIONS GROUP LLC	NAP5	4489 E Sahara Avenue	LAS VEGAS	57253
AGGREKO LLC	AGGREKO LLC	4611 VANDENBERG Drive	NORTH LAS VEGAS	52189
Silver Dollar Recycling Inc	SILVER DOLLAR RECYCLING	3870 N LOSEE Road	NORTH LAS VEGAS	57956
LOWE'S HIW, INC	LOWE'S OF N.W. LAS VEGAS, NV (Store #1863)	6050 W CRAIG Road	LAS VEGAS	57706
YMCA OF SOUTHERN NEVADA	Bill & Lillie Heinrich YMCA	4141 Meadows Lane	Las Vegas	57794
U S COAST GUARD LORAN STATION	U S COAST GUARD	2 E LORAN ROAD Road	SEARCHLIGHT	946
KMART	K-MART # 3592	5051 E BONANZA Road	LAS VEGAS	57461
LOWE'S HIW, INC	LOWE'S OF W. SUMMERLIN, NV (Store #1836)	851 S PAVILION CENTER Drive	LAS VEGAS	57704
ATC/VANCOM INC	ATC/VANCOM INC	3200 W Tompkiins Avenue	LAS VEGAS	6834
HEARTLAND AUTOMOTIVE SVCS INC	JIFFY LUBE #2029	430 E TWAIN	LAS VEGAS	6190
LONE MOUNTAIN NES RENTALS	NES Rentals	2642 EAST LONE MOUNTAIN Road	NORTH LAS VEGAS	57561
G&K Services	Las Vegas DPC 178	4670 N Vandenburg Drive, Bldg	N. Las Vegas	57549
G&K Services	Las Vegas DPC 178	4670 Vandenburg Drive, Bldg	N. Las Vegas	57549
HD Supply Facilities Maintenance, Ltd.	HD Supply Facilities Maintenance, Ltd. (NV027-2641)	4825 E. Cheyenne Ave.	Las Vegas	57847
GREYHOUND LINES INC	GREYHOUND LINES, INC	200 SOUTH MAIN Street	LAS VEGAS	794
AMERICAN ASPHALT & GRADING CO	AMERICAN ASPHALT & GRADING CO	4725 E CARTIER Street, Bldg	LAS VEGAS	54965

MOUNTAINVIEW HOSPITAL	MOUNTAINVIEW HOSPITAL	3100 N TENAYA Way	LAS VEGAS	58080
DOLLAR TREE STORES INC	Dollar Tree #3812	3870 Blue Diamond, Bldg R Road	Las Vegas	58457
AUTOZONE INC	AutoZone #3735	1935 N Hollywood Avenue	Las Vegas	58178
SPEEDEE MART, INC	SPEEDEE MART #114	5675 S Grand Canyon Drive	Las Vegas	58161
WESTERN STATES CONTRACTING INC	WESTERN STATES CONTRACTING INC	4129 W WEST CHEYENNE Avenue	NORTH LAS VEGAS	58200
DOLLAR TREE STORES INC	Dollar Tree #1734	2646 W. Horizon Ridge Parkway	Henderson	58433
DOLLAR TREE STORES INC	Dollar Tree #2647	3830 E Flamingo, Ste D Street	Las Vegas	58448
Pro Petroleum, Inc.	Las Vegas Terminal	4985 N Sloan Lane	Las Vegas	59164
Aggregate Industries SWR, Inc.	Creech Ready Mix Portable and Crusher	Creech AFB	Indian Springs	58989
NV ENERGY	Beltway Complex	7155 Lindell Road	Las Vegas	58322
SWITCH COMMUNICATIONS GROUP LLC	NAP 7	7135 S Decatur Boulevard	Las Vegas	58660
Regional Transportation Commission of Southern Nevada	Sunset Maintenance Facility	5165 W Sunset Road	Las Vegas	58661
The Car Doctor-Decatur	The Car Doctor	321 S. Decatur Boulevard	Las Vegas	58330
MGM RESORTS INTERNATIONAL	Gold Strike Hotel and Gambling Hall	1 Main St Street	Jean	58350
HD SUPPLY CONSTRUCTION SUPPLY LLC	HD Supply Construction Supply, Ltd. (NV025-6110)	3450 West Teco Avenue	Las Vegas	57771
BUREAU OF LAND MANAGEMENT	Red Rock Fire Station	2925 Moenkopi Road	Las Vegas	58017
OFFICE MAX	PowerMax Distribution Center B3	4975 N Pecos Road	North Las Vegas	57489
DTG OPERATIONS INC	Dollar Rent A Car	4775 Swenson Street	Las Vegas	58071
CENTRAL TELEPHONE CO (NV)	CENTRAL TELEPHONE CO (NV) dba CenturyLink	12001 Blue Diamond Road	BLUE DIAMOND	5047
BASIC FOOD FLAVORS INC	BASIC FOOD FLAVORS INC	3900 E. Craig Road	NORTH LAS VEGAS	850
ANDERSON DAIRY INC	ANDERSON DAIRY INC	801 Searles Avenue	LAS VEGAS	530
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #2705	3708 E Flamingo Avenue	Las Vegas	4813
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #2826	5780 Spring Mountain Road	Las Vegas	4818
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #355	450 N Nellis Boulevard	LAS VEGAS	5453

SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #358	2540 S Maryland Parkway	LAS VEGAS	5454
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #377	850 S Rancho Drive	LAS VEGAS	5458
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #346	10616 S Eastern Avenue	HENDERS ON	5463
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #394	9750 S Maryland Parkway	LAS VEGAS	5465
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #3110	3954 E Sunset Boulevard	Las Vegas	4821
LOS ANGELES DEPT WATER & POWER	BOULDER PATROL HEADQUARTERS	690 WELLS Road	BOULDER CITY	4788
NEVADA READY MIX CORPORATION	Lone Mountian Plant	10811 W Washburn Road	Las Vegas	4802
BAKER COMMODITIES INC	BAKER COMMODITIES INC	5725 Range Road	LAS VEGAS	1550
STEEL ENGINEERS INC	STEEL ENGINEERS INC	716 West Mesquite Avenue	LAS VEGAS	584
RYDER TRANSPORT C/O RYDER FS	RYDER 1132	4530 SOUTH POLARIS Avenue	LAS VEGAS	600
AQUATIC CO.	AQUATIC CO.	201 N MEADOW VALLEY Road	MOAPA	1044
ADVANCED SUPERABRASIVES LLC	ADVANCED SUPERABRASIVES LLC	200 SUNPAC Avenue	HENDERS ON	1810
UNITED PARCEL SERVICE	UNITED PARCEL SERVICE	335 E ARBY Avenue	LAS VEGAS	5335
FLAMINGO LAS VEGAS	FLAMINGO LAS VEGAS	3555 las vegas blvd south Boulevard	LAS VEGAS	770
Thomas Petroleum, LLC	Las Vegas - Sloan Warehouse	4825 NORTH SLOAN Road	LAS VEGAS	5435
HAYCOCK PETROLEUM COMPANY	SUNSET CARDLOCK	709 WEST SUNSET Road	HENDERS ON	5437
HELENA CHEMICAL COMPANY	HELENA CHEMICAL COMPANY	3650 W DEWEY Drive	LAS VEGAS	688
WELLS CARGO, INC	WELLS CARGO INC	7770 W Spring Mountain Road	LAS VEGAS	696
LAS VEGAS FINISHING LLC	LAS VEGAS FINISHING LLC	3251/3261 Builders Avenue	LAS VEGAS	1528
AUTOZONE INC	AUTOZONE #2204	4850 S Jones Boulevard	LAS VEGAS	5634
AUTOZONE INC	AUTOZONE #2205	5810 W Charleston Avenue	LAS VEGAS	5635

AUTOZONE INC	AUTOZONE #2212	3185 E Desert Inn Road	LAS VEGAS	5641
AUTOZONE INC	AUTOZONE #5725	3560 E Sunset Road	HENDERS ON	5644
AUTOZONE INC	AUTOZONE #5735	1201 E Charleston Avenue	LAS VEGAS	5649
AUTOZONE INC	AUTOZONE #5748	1915 W Craig Road, Bldg 1	NORTH LAS VEGAS	5656
THE LAS VEGAS HOTEL & CASINO, THE LVH	LAS VEGAS HILTON	3000 Paradise Road	LAS VEGAS	1192
NEW-COM INC	NEW-COM INC	412 E GOWAN Road, Bldg	NORTH LAS VEGAS	468
CHEMICAL LIME COMPANY	CHEMICAL LIME COMPANY	12101 Hwy 91 Highway	LAS VEGAS	7866
RIVER CITY PETROLEUM INC	RIVER CITY PETROLEUM INC	4870 E Cartier Avenue	LAS VEGAS	6009
DOLLAR TREE STORES INC	Dollar Tree #1224	620 N. McCarran Boulevard	LAS VEGAS	6139
DOLLAR TREE STORES INC	DOLLAR TREE #1595	3975 N Decatur Boulevard	LAS VEGAS	6140
DOLLAR TREE STORES INC	DOLLAR TREE #1594	1913 Decatur Boulevard	Las Vegas	6143
HEARTLAND AUTOMOTIVE SVCS INC	JIFFY LUBE #2031	1409 EASTERN Avenue	LAS VEGAS	6191
HEARTLAND AUTOMOTIVE SVCS INC	JIFFY LUBE #2042	4716 W CRAIG Road	NORTH LAS VEGAS	6194
CITY OF LAS VEGAS FIRE/RESCUE	FIRE STATION 42	7331 W CHEYENNE Avenue	LAS VEGAS	7854
THATCHER CO OF NEVADA	THATCHER CO OF NEVADA	850 W Lake Mead Parkway	HENDERS ON	7856
OVERTON POWER DISTRICT #5	OVERTON POWER DISTRICT #5	615 NW N. Moapa Valley Blvd. Boulevard	OVERTON	5739
OVERTON POWER DISTRICT #5	OVERTON POWER DISTRICT #5	615 NW North Moapa Valley blvd. Boulevard	OVERTON	5739
HOME DEPOT C/O ARCADIS U.S., INC.	The Home Depot #3307	1275 W Craig Road	North Las Vegas	4769
HOME DEPOT C/O ARCADIS U.S., INC.	The Home Depot #3306	2200 E Serene Avenue	Las Vegas	4770
HEARTLAND AUTOMOTIVE SVCS INC	JIFFY LUBE #2667	333 S DECATUR	LAS VEGAS	6197

HERITAGE OPERATING LP	ProFlame	4420 McGuire Street	N. LAS VEGAS	51065
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #372	1421 N Jones Boulevard	LAS VEGAS	7679
REBEL OIL COMPANY, INC	REBEL OIL TERMINAL #900	5054 N Sloan	LAS VEGAS	7696
LAS VEGAS VALLEY WATER DIST	Campbell Res & Pumping Station	4095 E Flamingo Road	LAS VEGAS	7505
HOME DEPOT C/O ARCADIS U.S., INC.	The Home Depot #3315	9705 W Charleston Boulevard	Las Vegas	54309
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #3548	3395 S Durango Drive	Las Vegas	52501
CHILL TEK, INC	CHILL TEK, INC	4485 Riviera Ridge Avenue	LAS VEGAS	52518
LEVEL 3 COMMUNICATIONS INC	Las Vegas	4485 E Sahara Avenue	LAS VEGAS	7923
HEARTLAND AUTOMOTIVE SVCS INC	JIFFY LUBE #3007	9520 W TROPICANA	LAS VEGAS	54549
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #349	10100 W Tropicana	LAS VEGAS	54998
WAL*MART STORES INC	WALMART #5070	5200 S FORT APACHE Road	LAS VEGAS	53519
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #311	8050 S Rainbow Boulevard	LAS VEGAS	57189
DELTA AIR LINES, INC.	DELTA AIR LINES, INC.	5757 Wayne Newton Blvd Street	LAS VEGAS	52380
Aggregate Industries SWR, Inc.	Bardon - Pittman Crusher	1/2 Mile S of Bermuda and St Rose Pkwy	HENDERS ON	55913
HEARTLAND AUTOMOTIVE SVCS INC	JIFFY LUBE #3081	5475 EL CAMINO NORTE	NORTH LAS VEGAS	55530
MOEN INCORPORATED	MOEN INCORPORATED	4335 N Arcata Way, Bldg	NORTH LAS VEGAS	6730
WAL*MART STORES INC	WALMART #2837	4350 N NELLIS Boulevard	LAS VEGAS	51980
WAL*MART STORES INC	WALMART #2884	8060 W TROPICAL Parkway	LAS VEGAS	51982
SHERWIN-WILLIAMS COMPANY-NV	SHERWIN-WILLIAMS #9801	3200 POLARIS Avenue, Suite 17	LAS VEGAS	53778

CLARK COUNTY DEPT OF AVIATION	CLARK CO DEPT OF AVIATION-HEA	3500 Executive Terminal Drive	HENDERS ON	54628
LAS VEGAS VALLEY WATER DIST	Luce Reservoir Wells 22A/23A	2305 N Buffalo Drive	LAS VEGAS	7466
SUN CITY LANDSCAPES	SCLS - VILLA TRIESTE	11200 SUTTER CROSSING Court	LAS VEGAS	55334
CROWN CASTLE USA	839377-Mt.Potosi	N/A Gravel Haul Road	LAS VEGAS	56589
YUCCA MOUNTAIN PROJECT	Hillshire Office	1551 Hillshire Drive	LAS VEGAS	55555
AUTOZONE INC	AUTOZONE #3736	3290 S Nellis Boulevard	LAS VEGAS	57198
HEARTLAND AUTOMOTIVE SVCS INC	JIFFY LUBE #3193	7215 S DURGANO Drive	LAS VEGAS	56603
LAS VEGAS POWER COMPANY LLC	Apex Generating Station	15555 Apex Power Parkway Parkway	LAS VEGAS	52116
HEARTLAND AUTOMOTIVE SVCS INC	JIFFY LUBE #2867	4350 S DURANGO Road	LAS VEGAS	52121
WAL*MART STORES INC	WALMART #1560	6005 EASTERN Avenue	LAS VEGAS	56993
BRADY LINEN SERVICES	BRADY LINEN SERVICES	2501 LOSEE Road	NORTH LAS VEGAS	56556
LOWE'S HIW, INC	LOWE'S OF C. HENDERSON, NV (Store #1537)	1401 S BOULDER Highway	HENDERS ON	54539
WAL*MART INC/SAM'S CLUB	SAM'S CLUB #4983	7100 ARROYO CROSSINGS Parkway	LAS VEGAS	56995
LOWE'S HIW, INC	LOWE'S OF W. SPRING VALLEY, NV (Store #1703)	5050 S FORT APACHE Road	LAS VEGAS	54542
LOWE'S HIW, INC	LOWE'S OF N.E. LAS VEGAS, NV (Store #2477)	2465 N NELLIS Boulevard	LAS VEGAS	57711
SUBURBAN PROPANE, LP	LAS VEGAS	4520 MITCHELL Street	N. LAS VEGAS	57994
KC ASPHALT LLC	SEMMATERIALS, L.P.	3901 W Ponderosa Way	LAS VEGAS	1182
Aggregate Industries SWR, Inc.	Southern Nevada Paving Shop	413 E Gowan Road	NORTH LAS VEGAS	55863
UNITED PARCEL SERVICE	UPS GROUND FREIGHT INC	4624 E CRAIG Road	LAS VEGAS	51525

YUCCA MOUNTAIN PROJECT	Center Drive Office	1251 N Town Center Drive	LAS VEGAS	55683
LEVEL 3 COMMUNICATIONS INC	Boulder City	895 Eldorado Blvd Parkway	Boulder City	57414
Clearwater Paper Corp	Clearwater Paper Corp	3901 Donna Street	North Las Vegas	57937
HOME DEPOT C/O ARCADIS U.S., INC.	The Home Depot #3324	855 E Dorrell Lane	North Las Vegas	58488
CENTRAL TELEPHONE CO (NV)	CENTRAL TELEPHONE CO (NV) dba CenturyLink	10050 S Cimarron Road	Las Vegas	57620
Aircraft Service International Group	ASIG	6005 S Las Vegas Boulevard	Las Vegas	58073
Nitrex, Inc.	Nitrex, Inc.	201 E Mayflower Avenue	North Las Vegas	58611
SILVER STATE MATERIALS	Creech	10 creech AFB	INDIAN SPRINGS	56616
Aggregate Industries SWR, Inc.	Frehner - Mesquite NDOT 3410 Pit Site	I15 & Hwy	Glendale	55891
READY MIX INC	RMI LEE CANYON	READY MIX HWY 156 @ HWY 95 Road	LAS VEGAS	56366
DOLLAR TREE STORES INC	Dollar Tree #2416	868 South Boulder Highway	Henderson	58434
DOLLAR TREE STORES INC	Dollar Tree #3714	1085 W. Pioneer, Unit B Boulevard	Mesquite	58451
DESERT INDUSTRIAL GAS	North Las Vegas	4201 S Production Court	North Las Vegas	59092
VERIZON WIRELESS/SOUTH	VERIZON WIRELESS/McCarran - new	5757 Wayne Newton Drive	Las Vegas	59057
DTG Operations, Inc.	Thrifty Rental Car	7180 Haven Street	Las Vegas	59077
LOWE'S HIW, INC	LOWE'S OF CENTENNIAL HILLS, NV (Store #2844)	7751 N EL CAPITAN Way	LAS VEGAS	59105
Conestoga Golf Club	Conestoga Golf Club	1499 Falcon Ridge Parkway, Bldg	Mesquite	59252
Standard Textile Co. Inc.	Nevada Distribution Center	4550 Engineers Way Way	North Las Vegas	59375
MGM RESORTS INTERNATIONAL	Excalibur Hotel & Casino	3850 Las Vegas Boulevard	Las Vegas	58326
MGM RESORTS INTERNATIONAL	Mandalay Bay Resort and Casino	3950 Las Vegas Boulevard	Las Vegas	58302
LEVI STRAUSS & CO.	HENDERSON DEPOT	7600 EASTGATE Road	HENDERS ON	58685
American Clay Stabilization, LLC	American Clay yard	4725 Cartier Avenue	Las Vegas	57445
LAS VEGAS COGENERATION L P	LAS VEGAS COGENERATION L P	1701 East Alexander Road	NORTH LAS VEGAS	888
ROCKWAY PRECAST	ROCKWAY PRECAST	3840 North Bruce Street	NORTH	1302

			LAS VEGAS	
SIERRA READY MIX	SIERRA READY MIX	4150 Smiley Road	NORTH LAS VEGAS	1274
Southern California Edison-	SOUTHERN CALIFORNIA EDISON	20 Miles SW of BLDR City off HWY 95	BOULDER CITY	1278
CENTRAL TELEPHONE CO (NV)	CENTRAL TELEPHONE CO (NV) dba CenturyLink	1600 E Lake Mead Boulevard	NORTH LAS VEGAS	5012
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #348	1000 N Green Valley Parkway	HENDERS ON	5449
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #383	4440 N RANCHO Drive	LAS VEGAS	5460
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #385	2211 N Rampart Boulevard	LAS VEGAS	5461
COCA COLA BOTTLING CO OF LAS VEGAS	COCA COLA BOTTLING CO OF LAS VEGAS	230 N MOJAVE Road	LAS VEGAS	914
VERSACOLD LOGISTICS LLC	VERSACOLD LOGISTICS LLC	830 EAST HORIZON DRIVE Drive	HENDERS ON	924
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #2848	2451 N Jones Boulevard	Las Vegas	4819
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #2875	1225 N Eastern Avenue	Las Vegas	4820
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #3201	2650 Windmill Parkway	Henderson	4824
NORTHWIND ALADDIN	NORTHWIND ALADDIN	3667 S Las Vegas Boulevard	LAS VEGAS	1250
NEVADA READY MIX CORPORATION	Bonanza Plant	601 W Bonanza Road	LAS VEGAS	4801
THE PEP BOYS-MANNY, MOE & JACK OF CALIFORNIA	PEP BOYS 670	506 S Decatur Boulevard, Bldg	LAS VEGAS	4842
THE PEP BOYS-MANNY, MOE & JACK OF CALIFORNIA	PEP BOYS 702	4670 E TROPICANA Avenue, Bldg	LAS VEGAS	4846
MGM RESORTS INTERNATIONAL	MGM GRAND HOTEL, INC	3799 LAS VEGAS BLVD SOUTH Boulevard	LAS VEGAS	1010
MOHAVE GENERATING STATION	MOHAVE GENERATING STATION	655 Bruce Woodbury Drive Drive	LAUGHLIN	774
JAKES CRANE & RIGGING	Jake's Crane, Rigging & Transport Int'l	6109 S DEAN MARTIN Drive	LAS VEGAS	960
LAB MEDICINE CONSULTANTS	LAB MEDICINE CONSULTANTS	3059 S MARYLAND Parkway, Suite 100	LAS VEGAS	1764
HAYCOCK PETROLEUM COMPANY	Las Vegas - Bonanza Bulk Plant	715 WEST BONANZA Road	LAS	5434

			VEGAS	
HAYCOCK PETROLEUM COMPANY	Las Vegas - Sloan Warehouse	4825 NORTH SLOAN Road	LAS VEGAS	5435
Thomas Petroleum, LLC	LOSEE ROAD CARDLOCK	3333 LOSEE Road	NORTH LAS VEGAS	5438
HAYCOCK PETROLEUM COMPANY	POLARIS CARDLOCK	3685 POLARIS Avenue	LAS VEGAS	5440
DAVID C GREENBAUM CO OF NEVADA	DAVID C GREENBAUM CO OF NEVADA	2744 S Highland Drive, Bldg	LAS VEGAS	1140
DESERT HONDA	DESERT HONDA	1700 E SAHARA Avenue	LAS VEGAS	1082
AUTOZONE INC	AUTOZONE #2206	5055 E Tropicana Avenue	LAS VEGAS	5636
SOUTHWEST GAS CORP	BLUE DIAMOND TAP	11350 Blue Diamond Road	BLUE DIAMOND	5390
Aggregate Industries SWR, Inc.	Sloan Quarry	5300 Sloan Road	LAS VEGAS	1886
AUTOZONE INC	AUTOZONE #5731	3455 S Decatur Avenue	LAS VEGAS	5648
AUTOZONE INC	AUTOZONE #5746	4225 N Las Vegas Boulevard	LAS VEGAS	5655
AIRGAS WEST	AIRGAS WEST	3560 N Losee Rd., Bldg	NORTH LAS VEGAS	5675
H&E EQUIPMENT SERVICES INC.	North Vegas #4038	4129 LOSEE Road	NORTH LAS VEGAS	5679
QWEST COMMUNICATIONS CORP	QWEST COMMUNICATIONS CORP	4270 E Sahara Avenue, Bldg	LAS VEGAS	6257
RIVER CITY PETROLEUM INC	RIVER CITY PETROLEUM INC	3801 Losee Rd Road	NORTH LAS VEGAS	6010
SIGNATURE FLIGHT SUPPORT	SIGNATURE FLIGHT SUPPORT	6005 S Las Vegas Blvd Boulevard, Bldg	LAS VEGAS	446
U S FOODSERVICE	US Foods Inc. formerly US Foodservice Inc.	300 W Bonanza Road	LAS VEGAS	810
CITY OF LAS VEGAS FIRE/RESCUE	CENTRAL FIRE STATION	500 NORTH CASINO CENTER Boulevard	LAS VEGAS	7848
THATCHER CO OF NEVADA	THATCHER CO OF NEVADA	90 Business Center Drive	HENDERS ON	7856

RIO SUITE HOTEL & CASINO	RIO SUITE HOTEL & CASINO	3700 W Flamingo Ridge	LAS VEGAS	6608
LAS VEGAS VALLEY WATER DIST	Ronzone Res Wells 77 & 85	6415 W Lake Mead Boulevard	LAS VEGAS	7455
LAS VEGAS VALLEY WATER DIST	Spring Mtn Durango Reservoir	8815 W Spring Mountain Road	LAS VEGAS	7457
LAS VEGAS VALLEY WATER DIST	Tropicana Reservoir	10900 W Tropicana Avenue	LAS VEGAS	7511
FRITO-LAY INC	FRITO-LAY INC	1209 Trade Drive	NORTH LAS VEGAS	54993
REBEL OIL COMPANY, INC	REBEL OIL #21	208 E Tropicana Avenue	LAS VEGAS	7724
T-MOBILE USA INC	T-MOBILE USA INC NORTH LAS VEGAS SWITCH	3040 Simmons Street	NORTH LAS VEGAS	55029
REBEL OIL COMPANY, INC	REBEL OIL #46	6020 W Charleston Boulevard	LAS VEGAS	7704
MISSION INDUSTRIES	MISSION INDUSTRIES	1 W Mayflower Avenue	NORTH LAS VEGAS	7558
FINISHMASTER INC C/O GMG ENVIROSAFE INC	FINISHMASTER INC C/O ENVIROSAFE INC	3140 Venture Drive, Bldg	LAS VEGAS	53661
CSK AUTO INC C/O 3E COMPANY	O'Reilly Auto Parts #3545	1250 S Lamb Boulevard	Las Vegas	52502
HOME DEPOT C/O ARCADIS U.S., INC.	The Home Depot #3318	4750 S Decatur Boulevard	Las Vegas	54311
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #364	10600 Southern Highland Parkway	LAS VEGAS	54083
CALIFORNIA PORTLAND CEMENT CO	CALIFORNIA PORTLAND CEMENT CO	4928 DONOVAN Way	LAS VEGAS	53932
CIVIC CENTER PROPERTIES LLC	CIVIC CENTER PROPERTIES LLC	3840 N CIVIC CENTER Drive	NORTH LAS VEGAS	55435
CITY OF LAS VEGAS/ENV DIV	West Fleet Services Center (West Yard)	2950 Ronemus Road	LAS VEGAS	53057
DELTA AIR LINES, INC.	DELTA AIR LINES, INC.	5875 Spencer Street	LAS VEGAS	52380
COYOTE SPRINGS NURSERY LLC	COYOTE SPRINGS NURSERY LLC	3100 State Hwy 168	COYOTE SPRINGS	55533
WAL*MART STORES INC	WALMART #1584	3625 S RAINBOW Boulevard	LAS	7944

			VEGAS	
JONES FEED AND TACK	JONES FEED AND TACK	6515 W Lone Mountain Road	LAS VEGAS	6666
INSITE WIRELESS LLC	Wynn Resorts	3131 Las Vegas Boulevard	LAS VEGAS	57238
SMITHS FOOD & DRUG INC	SMITHS FOOD & DRUG #361	4700 W ann Road	NORTH LAS VEGAS	54749
AUTOZONE INC	AUTOZONE #2230	121 N SANDHILL Boulevard	MESQUITE	57192
AUTOZONE INC	AUTOZONE #2244	6770 Skypointe Drive	LAS VEGAS	57195
WAL*MART STORES INC	WALMART #3847	1110 W PIONEER Boulevard	MESQUITE	55940
WAL*MART STORES INC	WALMART #5258	5850 W CRAIG Road	LAS VEGAS	55312
WAL*MART STORES INC	WALMART #3728	3950 W LAKE MEAD Boulevard	NORTH LAS VEGAS	56991
BUS STOP SERVICE CENTER	BUS STOP SERVICE CENTER	155 W Imperial Avenue	LAS VEGAS	56689
WESTERN EXPLOSIVES SYSTEMS CO - WESCO	Chemical Lime plant Apex NV	Old Salt Lake Hwy	North Las Vegas	57962
FreshPoint of Las Vegas	FreshPoint of Las Vegas	5420 Valley View Blvd Boulevard	LAS VEGAS	57835
OFFICE MAX	PowerMax Distribution Center B2	2821 Marion Drive	Las Vegas	57487
SHERWIN-WILLIAMS COMPANY-NV	SHERWIN-WILLIAMS #8117	4990 E SAHARA Avenue	LAS VEGAS	57599
LEVEL 3 COMMUNICATIONS INC	Boulder City	895 Eldorado Blvd	Boulder City	57414
SILVER STATE MATERIALS	Construx	15101 S US 95 Highway	Boulder City	58002
Fletcher Jones Management Group	Fletcher Jones Toyota Used Cars	3275 East Sahara Avenue	Las Vegas	58006
HD Supply Facilities Maintenance, Ltd.	HD Supply Facilities Maintenance, Ltd. (NV027-2641)	4825 E Cheyenne Avenue, Bldg A	Las Vegas	57847
SHERWIN-WILLIAMS COMPANY-NV	SHERWIN-WILLIAMS #8111	6285 S VALLEY VIEW Boulevard, Bldg #1	LAS VEGAS	57593
NU EQUIPMENT, INC	NU EQUIPMENT, INC	184 W Brooks Avenue	NORTH LAS VEGAS	1348
Pavestone Company, LP	Plant #88	4720 Alto Avenue	Las Vegas	58524
CITY OF LAS VEGAS FIRE/RESCUE	FIRE STATION 5	1020 HINSON Street	LAS	58174

			VEGAS	
Get Fresh Sales Inc.	Get Fresh Sales Inc.	6745 S Escondido Street	Las Vegas	58544
NEVADA BEVERAGE COMPANY	Nevada Beverage Company	4250 E Cheyenne	North Las Vegas	58596
Aggregate Industries SWR, Inc.	Decatur Warmspings Project	4 Mi. S of US93/95 Junction S. of Construx Pit	Boulder City	55893
Aggregate Industries SWR, Inc.	Bardon - Upper&Lower Lone Mtn Crushers	Lone Mtn and Alpine Ridge and 2 Miles North	LAS VEGAS	55918
A T & T CORP	A T & T CORP	001 SEARCHLIGHT	LAS VEGAS	57563
HOME DEPOT C/O ARCADIS U.S., INC.	Home Depot Direct Your Other Warehouse #6754	166 Gallagher Crest Road	Henderson	57846
Sonic Automotive	0111 - Honda West	7615 W. Sahara Avenue	Las Vegas	57894

ADDITIONAL RESOURCES

Utility & Transportation Reference Maps

NVEnergy

For emergency maps or information contact NVEnergy Dispatch at (702) 862-7232.
For routine map information call NVEnergy at (702) 367-5000.

Southwest Gas Corporation

For emergency maps or information contact Southwest Gas Company (SGC) Dispatch at (702) 365-1111.

For routine map information call SGC at (702) 365-2356.

GIS Database

Contact the Clark County GIS Database Administration at (702) 455-5963.

Equipment and Inventory Checklists

Clark County Fire Department Haz-Mat Pouch

Every emergency response unit has been assigned a pouch.

- 2012 North American Emergency Response Guidebook (NAERG)
- DOT Chart 14 Hazardous Materials Markings, Labeling and Placarding Guide
- Hazardous Materials Load and Segregation Chart
- Transport of Radioactive Materials Q&A about Incident Response
- Department of Energy (DOE) Radiation Guide
- Weapons of Mass Destruction (WMD) Pouch
 - ✓ 4 Information Cards on WMD
 - ✓ WaterJel – 4*4 Dressings
 - ✓ Skin Decontamination Kit (M291)
 - ✓ Chemical Resistant Nitrile Gloves
 - ✓ M8 (3 Way Paper) – 10 Sheets

Barn Shelves NO. 1 RACK

Top Shelf

- A) Two Plastic Containers Trelchem
- B) Two Level A suits
 - 1. XL
 - 2. XXL
- C) Three Boxes Onesuit Flash Level A suits
 - 1. XXL
 - 2. XL
 - 3. L
- D) 7 Boxes Trelchem Level A suits
 - 1. 3L
 - 2. 3XL
 - 3. 1XXL

2nd Shelf

- A) Level A Suits - Two plastic containers of training suits
 - 1. One plastic container of Trelchem XL
 - 2. One plastic container of Trelchem XL and L
- B) Three plastic container Level A Trelchem suits
 - 1. One plastic container of TLU XL
 - 2. One plastic container TLV 2XL
 - 3. One plastic container TLV Silver 2XL
- C) One box of Charkate splash suits assorted sizes
- D) Box of training gaskets for Chlorine/Sulfur Dioxide /Ammonia Kits
- E) One plastic container Trelchem Level B suits
- F) Six Chemicals Resistance Gloves Size 10
- G) Two loose training suits
- H) Trelchem 9400 splash suits
- I) Interspiro by pass value(s)

3rd Shelf

- A) One plastic container of level B suit size L
- B) One plastic container of Euro Lite suits
- C) One plastic container of training suits
- D) One plastic container of black and green gloves
- E) Two Trelborg Test Kits
- F) Metal bench
- G) Water jug
- H) One plastic container of Trelchem Level B suits size L
- I) One plastic container of Level C splash suits

NO. 2 RACK

Top Shelf

- A) 9 Box of Trelchems suit Level A
 - 1. 3 L

2. 3 XL
3. 3 XXL

2nd Shelf

- A) One plastic container of Level B Trelchem 1000'S
- B) Three loose bags of Trelchem splash suits
- C) Plastic container of Training suit of - Level B

3rd Shelf

- A) Plastic container of Level B training suit
- B) Three plastic container of XL Tychem Level B
- C) Plastic container of XL Saranex Level B suit
- D) Plastic container of XXL Level A training suit

4th Shelf

- A) One plastic container Level C splash suits
 1. One size L
 2. One size XL
- B) Box of 2XL Tychem DuPont Splash suits
- C) One plastic container of Level B suits size L

NO. 3 RACK

Top Shelf

- A) One plastic container of Overalls
- B) One plastic container of Saranax Level B suits XL
- C) Four plastic container of Tychem Level B suits
 1. Two plastic container of L
 2. Two plastic container of XL

2nd Shelf

- A) One plastic container of Level B training suits
- B) One plastic container of Tychem Level B suits L
- C) One plastic container of Saranax Level B suits L

3rd Shelf

- A) Four plastic container of Tychem Level B suits
 1. Three plastic container of L
 2. One plastic container of 2XL
- B) One plastic container Level B training suits A platoon
- C) Three loose bag of Saranax Level B suits XL

4th Shelf

- A) Three plastic container of yellow tapes
- B) One plastic container pre-cut yellow tape
- C) One plastic container of Tychem Level B suits L
- D) One loose bag of Level B Splash suit XX

No. 4 Rack

Top Shelf

- A) Six plastic containers of Saranex Level B suits XL
- B) Six plastic containers of Tychem Level B suits L
- C) One plastic container Level B training suits (Jimmy Eason)

2nd Shelf

- A) Five plastic containers of Tychem Level B suits
 - 1. Three plastic containers of L
 - 2. Two plastic containers of XL

3rd Shelf

- A) Two plastic container of plastic tubing
- B) One plastic container of Overalls
- C) One plastic container of Tychem level B suits XL
- D) One box of Nano Scale Absorbent
- E) Three small boxes of Clever Binder Absorbent
- F) Two loose container of Clever Binder Absorbent
- G) Three cans of Spill Shark Absorbent
- H) One loose container of Spill Shark Absorbent
- I) Two bags of Sodium Bicarbonate and a small amount in a plastic bag
- J) One bag of Soda Ash

4th Shelf

- A) Twelve plastic containers of Tychem Level B suits
 - 1. Three plastic containers of L
 - 2. Nine plastic containers of XL

Back Storage Room

RACK NO. 1

Top Shelf

- A) Green Boots
 - Size 9-1
 - Size 10-8
 - Size 11-6

2nd Shelf

- A) Orange Boots
 - Size 9-3
 - Size 10-8
 - Size 11-10

3rd Shelf

- A) Orange Boots
 - Sizes 13-11

4th Shelf

- A) Over Boot bags with various amounts of over boots in each
 - Size M-1
 - Size L-1
 - Size XL-1
 - Size 2XL-1
 - Size 3XL-1
- B) 13 long handle Decon Brushes
- C) 25 Sponge Brushes

5th Shelf

- A) 4 boxes of Ultra Spill Berm
- B) 3 Drain Mats

RACK NO. 2

Top Shelf

A) 16 Kappler 300 Level B suits

2ND Shelf

- A) 3 WMD Red Bags
- B) 8 Radiation yellow barrier tapes
- C) 3 Red caution barrier tapes
- D) 1 Restricted orange barrier tape
- E) Reflected Barrier tapes (red and white)

3RD Shelf

- A) 2 Aqua Biber absorbent
- B) 1 bags of Yellow absorbent pads
- C) 1 box of Lab Droppers
- D) 1 bag of 5ml Lab Droppers
- E) 4 plastic bottles
- F) 3 Blue Lab trays
- G) 8 Chem. Strips
- H) Lg. PH Wide Sticks

4TH Shelf

- A) 1 Box of Decon portable pool
- B) 1 Orange plastic drain mat
- C) 1 Grey water monitor
- D) 1 Box of plastic decon shower parts
- E) 4 Shower wands

5TH Shelf

- A) 2 Blue tarps
- B) 1 Orange pool
- C) 1 bottle of Bleach
- D) 1 Decon Kit

6TH Shelf

- A) 2 boxes of Plug Rug
- B) 1 Yellow EMS Decon system
- C) 2 WMD Red Bags

RACK NO. 3

Top Shelf

A) Kappler Level B suits 2300's

2ND Shelf

A) 10 boxes of Dupont Level C Tychem coveralls

3RD Shelf

A) 2 Plastic Container of Nitril Green gloves, various amounts of each

1) Sizes 7, 8 and 9

2) Sizes 10 and 11

B) 1 Plastic Container of Neoprene Black gloves, various amounts of each

1) Sizes 9, 10 and 11

4TH Shelf

A) 1 Plastic Container of Fuel Removal Kit

B) 1 Plastic Container of Black Butyl Gloves, various amounts of each

1) Sizes 10 and 11

C) 1 Plastic Container of Black Viton Gloves, various amounts of each

1) Sizes 9,10 and 11

RACK NO. 4

Top Shelf

- A) 1 box of Tyvek Disposable shirts
- B) 1 box of Tyvek Disposable pants
- C) 2 Tychem Level C coveralls
 - 1) Size 2XL

2ND Shelf

- A) 10 Black Containers for Decon
- B) Box of Tychem coverall Level C
 - 1) Size 2XL

3RD Shelf

- A) 2 boxes of Tychem coverall Level C
 - 1) Size 3XL
- B) 3 boxes of Level B Fully Encapsulating Suit
 - 1) Size 3XL
- C) Haz Mat Unit Air Filter for Reserve Unit at Station 28

4TH Shelf

- A) 23 Black Containers for Decon

5TH Shelf

- A) Box of Yellow Hazmat trash bags
- B) 2 Trash bag holds
- C) Bag of electrical cords
- D) Box circler saw blades, claps, and drum cutter
- E) 2 grey mats
- F) 4 Roller for Ton Tank container

RACK NO. 5

Top Shelf

- A) 6 boxes of Tychem coveralls Level C
 - 1. Size 5XL

2ND Shelf

- A) 5 boxes of Tychem coveralls Level C
 - 1. Size 5XL

3RD Shelf

- A) 3 plastic buckets of Spill Sharks Absorbent
 - 1. Acid - 3
 - 2. Petroleum - 1
- B) 1 plastic buckets of Spill Sharks Petroleum Absorbent
- C) Box of Plastic Diking
- D) 4 sm container of Spill Shark Acid Absorbent
- E) 3 small buckets of Plug and Dike
- F) 2 jars of Plug and Dike
- G) 2 small jars of Plug and Dike
- H) 6 Bees Wax Gaskets
- I) 4 Leak Lock Kits

4TH Shelf

- A) 4 Plastic Dike Tubing
 - 1. 3 plain
 - 2. 1 orange
- B) 2 Boxes of Plastic Dike Tubing
- C) 7 - 50 gal Tank Trappers

5TH Shelf

- A) 2 - 150 gal Tank Trappers

Floor

In front of ice machine

- A) 2 plastic containers
 - 1. Empty
 - 2. Respirator P-100

Between Rack 1 and 2

- B) 6 Buckets of Pigs
- C) 2 Bags of Pigs
- D) Plastic Container of Pigs

Next to Rack No.4

- E) File Cabinet, with Box of 5 gal Red Buckets with Lids on Top of it
- F) APD 2000
- G) Radiation Kit for CBRNE's (451 and 993)

H) Mini Radic Kit and 51 Dosimeters

HAZ-MAT UNIT

Comp. No.1

A) Rolls of caution tape

Comp. No.2

A) 22 Decon signs

B) 3 Tarps

C) 10 Air hoses

D) Air Cart

E) Hydrant Wrench

F) Plastic Container

1. Chem tape

2. P-95 Particular Mask

3. Chem Strip Tapes

4. Baby powders

5. Exam gloves

a. size L

b. size XL

6. Latex Booties

7. Silver Shield Gloves

G) Plastic Container

1. Nitrile Gloves

a. sizes 7,8,9,10,and 11

2. Neoprene Gloves

a. sizes 9,10,and 11

3. Viton Gloves

a. sizes 9,10,and 11

4. Butyl Gloves

a. sizes 10 and 11

I) Radio Leather case w/straps and Radio vest

Comp. No.3

A) 3 Drain Mats

B) Weather Station Tripod

C) Entry Link Tripod

D) Dry Erase Board

E) Bio tongs

F) Box of Rolled Vasquez

G) 2 Buckets of Soda Ash

H) Aqua Bibber (blue bag)

I) Container of Pigs

J) Bag of Yellow Absorbent Pads

K) 4 Plug Rugs

L) Box of Zip lock bags

M) 1PH Test Kit, Gee Wiz, 2 Leak Lock Kit

N) Bucket of Plug and Dike

O) 4 Absorbents - Acid, Caustic, and Petroleum

- P) Acid Leak Control Kit
- Q) 3 Jugs of Plug and Dike
- R) Weather Station Pak
- S) Disposable Decon Towels
- T) 2 Fast Act Extinguishers
- U) 2 Buckets of Nano Absorbents
- V) 4 Lg. Bags of Absorbents
- W) Grounding Rods
- X) 4 50 gal. Tank Traps

Comp. No.4

- A) 4 Haz-Mat Air Pak (hour bottles)
- B) 2 Structure Air Pak
- C) Flat Head Ax
- D) Pike Head Ax
- E) Halogen

Comp. No.5

- A) Cardboard Splints
- B) C-Collar Bags
- C) KED
- D) Sager Splints
- E) Yellow Disposable Blanket
- F) AED
- G) O2 Bag and Supplies
- H) Medical Bag

Comp. No.6

- A) 4 Rolls of Plastic Dike Tubing
- B) 9 Water Hose (flat hose)
- C) 4 Decon Pools
- D) 3 Decon Spray Bottles
- E) 2 Wind Socks
- F) Water Pump (Geyser)
- G) Trash Bag Holder
- H) Water Manifold
- I) 2 Decon Clean Up Bags
- J) Plastic Container
 - 1. Trash Bags
 - 2. Zip lock bags
 - 3. Sponge
 - 4. 2 Sponge on a Stick
- K) Awning Rod
- L) 150 Gal. Tank Trap
- M) 50 Gal. Tank Trap
- N) Yellow Box of Decon Shower
- O) 3 Spray Wands
- P) Garden Spigot

Comp. No.7

- A) 6 Black Racks
- B) 3 Plastic Trash Cans
- C) 3 Water Buckets (orange)
- D) Folding Table
- E) 8 Metal Benches
- F) 6 Boot Cleaning Bin Trays
- G) Box of Dry Towels
- H) 11 Scrub Brushes
- I) Floor Mats
- J) Dish Soaps (**Missing**)
- K) Gal. Container of Ammonia
- L) 5 Gal. Container of Bleach
- M) 2 5 Gal. Buckets (white)
- N) Water Jug and Cups
- O) Towel Cooler Jug (**no towels**)
- P) Ice Chest
- Q) Little Red Wagon
- R) Container:
 - 1. 1- Soap Water Spray Bottle
 - 2. 1 ½" Ball Valve
 - 3. Double Female coupling 1 ¾"
 - 4. Hand Shears
 - 5. Adjustable Pliers
 - 6. 2 - 1/2" Garden Hose Nozzles
 - 7. 3 Garden spickots
 - 8. 1 ½" PVC Reducer
 - 9. ¾" Pressure Regulator
 - 10. ¾" Double Female and Reducer

Top of Haz-Mat Unit

Top-A-Left Side

- A) A Platoon Personal Bags
- B) Red Bag of Helmets

Top-A-Right Side

- A) B Platoon Personal Bags
- B) Decon Pool (blue pool)

Top-B-Left and Right Sides

- A) OneSuit Flash Suits
 - 1. Sizes 2,3,4,5,6,7,8,and10
- B) HP Suits
 - 1. Sizes L,XL, 2XL
- C) TLV Suits
 - 1. Sizes XL, and 2XL
- D) Weather Pak Kit

1. For Top of Haz-Mat Unit

Top-C-Left Side

- A) 2 Folding Benches
- B) Dewalt Shop Vac.
- C) 2 Scoop Shovels
- D) Step Ladder
- E) Floor Squeegee
- F) 2 Push Brooms
- G) 4 Broom Sticks
- H) Folding Litter
- I) 3 Wash Brushes

Top-C-Right Side

- A) Box #1
 - 1. 4 XL Level B Tychem suits
- B) Box#2
 - 1. 4 2XL Level B Tychem suits
- C) Box#3
 - 1. 6 2XL Level B Tychem suits
- D) 3 RMC EMS Disposable Decon
 - 1. Cardboard and Yellow

Top-C-Tools (All Sparkles)

- A) 2 Sledge Hammers
- B) Axe
- C) 3 Pry Bar
- D) 2 Bung Wrenches in pouches
- E) Sm. Monkey Wrench
- F) Lg. Monkey Wrench
- G) Ram Bar
- H) Tin Snip
- I) Saw
- J) Seat Belt Cutter
- K) Strap Wrench
- L) Assorted Marker Flags
- M) Assorted Rebar
- N) 2 Shovel
- O) Cable Cutter
- P) Lg. And Sm. Bolt Cutter
- Q) Drum Deheader

Comp.-C- Tools Pouches

- A) 2 Tool Pouches
 - 1. Chisels
 - 2. Screw Drivers Standard
 - 3. Regular Pliers
 - 4. Ball Ping Hammers
 - 5. 2 Cresset Wrenches
 - 6. Bung Wrenches

- 7. Pry Bar
- 8. Adjustable Pliers

Top-D-Left Side

- A) C Platoon Personal Bags

Top-D-Right Side

- A) Boots Assorted Sizes
 - 1. 10,11,12,13,14, and 15

Top-E-Left Side

- A) Trelchem Splash 1000's (yellow)
- B) Tychem 9400 Level B Encapsulated Suits
 - 1. Sizes
 - a. 1 L
 - b. 3 XL

Top-E-Right Side

- A) Coverall suits sizes 5XL,3XL,and 2XL
- B) Blue Plastic Container 10 Bath Suits/Flip Flops
- C) Plastic Container of Doffit Kits
- D) 10 Cool Vests

Comp. No. 8

- A) Plastic container of Plugs, Hose Clips, and Straps
- B) Plastic container of Tank Trailer Drill Kit
- C) Plastic container of Cables and Amp. Meters
- D) Red Bag of Cable and Straps
- E) Rescue Skids
- F) **Anhydrous Ammonia Kit(the gaskets Ext. 08/2006)**
- G) Porta Power Kit
- H) Air Hoses
- I) Lampe Bags
- J) Fast Dual Action Diaphragm Pump
- K) **Chlorine B Kit (Exp. Gaskets on 03/2008) and (SO2 Gaskets Exp. on 03/2008)**

Comp. No. 9

- A) 6 Interspiro Face Masks
- B) Bag of Savox Talk Accessory
- C) 2 Dust Pans
- D) Tool bag with Teflon tape
- E) Green Bin with eye protector, batteries, flash lights, masks, and driver knives

Comp. No.10

- A) 4 Haz-Mat Air Packs (1 hrs)
- B) 2 Structure Air Packs
- C) RIT BAG

Comp. No.11

- A) Grounder Rod Pounder
- B) 100 ft Rope Bag
- C) 3 Extension Cords
- D) Pigtails
- E) Grey Box of Air Tools
- F) Grounding Cable Spool
- G) Work Lights
- H) Turbo Flares
- I) Red Tool Box
- J) Saw Horses
- K) C-3 Kit
- L) Ajax Tool
- M) F Kit Leak Control
- N) Series A Kit
- O) Socket Set
- P) **Chlorine C Kit (gaskets Exp. 03/2008) and (SO2 gaskets Exp.03/2008)**
- Q) Series C Kit
- R) **Chlorine A Kit (gaskets Exp. 03/2008) and (SO2 gaskets Exp.03/2008)**

Comp.No.12

- A) Generator

Comp.No.13

- A) Assorted Scene Tape
- B) EMS Gloves

RESEARCH LIBRARY

- 101 Chris Manual (A, B, and C)
- 102 Emergency Action Guide (A and B)
- 103 Genium Handbook of Safety and Health (A, B, and C)
- 104 Hawley's Condensed Chemical Dictionary
- 105 Haz-Chemical Desk Reference
- 106 Emergency Handling of Haz-Mat
- 107 Farm Chemicals Handbook
- 108 Fire Protection Guide to Haz-Mat
- 109 Recognizing Identify Rail Class
- 110 Gasoline Tank Truck Emergencies
- 111 Medical Response Chemical Warfare and Terrorism
- 112 Clark County Multi Jurisdictional Mass Casual Plan
- 113 CCLEPC Hazardous Material Emergency Plan
- 114 CCFD Manual of Operation
- 115 ICS Position of Operation
- 116 Emergency Response Plan for Timet and Olin Chemical
- 117 Henderson District Maps
- 118 PEAC WMD Training Manual

- 119 **Haz-Mat Pouch (missing)**
- 120 Emergency Guide for Haz-Mat Exposure
- 121 F.F. Handbook of Haz-Mat
- 122 Poisoning and Drug Dose
- 123 Haz-Mat Emergency Guide
- 124 Management of Chem. Warfare Agents Casualties
- 125 Medical Management of Biological Casualties
- 126 Jane Chem.-Bio Handbook
- 127 Fire-Rescue Field Guide
- 128 Symbol Seeker
- 129 NIOSH Pocket Guide to Chemical Hazards
- 130 Emergency Response to Terrorism
- 131 Fire Scope Operation Guide
- 132 Quick Selection Guide Chemical Protection Guide
- 133 Tyvek Protection Clothing Guide (old)
- 134 Trell Chem. Resistance Table with Instructions
- 135 Field Guide to Tank Car I.D.
- 136 DOT E.R.G. (2008)
- 137 Notebook - In Service Haz-Mat Level A Suits
- 138 Kern River Gas Emergency Plan
- 139 Fast Act Neutralization System
- 140 Hybrid Response Guide
- 141 Haz-Mat IQ
- 142 NIOSH to Chem. Hazards (Haz-Mat IQ)

CAB

- A) 2 Lighting Detectors
- B) Air Pollution Detector
- C) Range Master-Range Finder
- D) GPS
- E) Ray Teck Heat Gun
- F) Assorted Batteries
- G) 2 Rechargeable Flash Lights
- H) **Hand held Radios (missing)**
- I) **Cell Phone (missing)**
- J) 2 Binoculars
- K) Dave Clark Head Sets
- L) District Map Book
- M) First in Area Map Book
- N) 4 Safety Vests
- O) **Responder Rechargeable Flash Light (missing)**
- P) Triage Tags
- Q) 1 Radio Leather Case w/strap
- R) **Elevator Key Ring (missing)**

OFFICE CABINETS

- A) 3 Metal Clip Boards
- B) 5 Haz-Mat Group Emergency Response Kits
- C) Box of Extra Ink and Assorted Office Supplies
- D) Extra Copy Paper
- E) Bull Horn

OFFICE DESK

- A) **Computer (at station 18 or see Randy)**
- B) Fax-Printer-Copier
- C) **Telur-Internet Connection (missing)**
- D) **Weather Pak System (missing)**
- E) **Motorola 800 Yellow Radios (missing)**
- F) Trash Can
- G) **Motorola Charger (missing batteries)**
- H) Telescope Silver Case
- I) **Manning Chlorine Monitor (Exp. ??/2011)**
- J) **Manning Ammonia Monitor (Exp. ??/2011)**
- K) **Mark One Kit (Exp. 08/2011)**
- L) **CMS Draeger Kit (Exp. 08/2011)**
- M) **Draeger Tubes Kit (Exp. Tubes)**
- N) **Chem. Pro (being upgraded)**
- O) **10 Mini Radial Dosimeters Canberra (Exp.05/2011)**
- P) 2 Rad Monitor Victoreen 451 Pancake
 - 1. One Exp. 04/2012
 - 2. **One Exp. 04/2011**
- Q) CCFD Passport Kit
- R) **Chem. and Bio. Paper (Exp. 07/2008)**
- S) **Rad Monitor Victorteen 450 (Exp.04/2011)**
- T) 2 APD 2000
- U) **2 BW Gas Monitor w/Ammonia (needed cal.)**
- V) **2 BW Gas Monitor w/Chlorine (needed cal.)**
- W) **BW Gas Monitor w/ PID (missing)**
- X) **Sperian PID (in Richard office)**
- Y) Digital Camera
- Z) Entry Link Camera
- A1) HNU Monitor w/Accessories
- B1) **PHD Ultra Atmosphere Monitor and Accessories (needed cal. and new sensors)**
- C1) EMS Suction Unit
- D1) Scott Tic Camera (w/charger and battery)
- E1) 15" Weather Resistant Video Monitor
- F1) Dell Lap Top Case with out Computer

DETECTION EQUIPMENT

<u>Radiation Detection</u>	<u>Total</u>	<u>Location</u>	<u>Calib</u>
450CHP / 450B	(6)		
2178		Mountain Springs -79	10/12
360		213 – 1	10/12
2188		212 – 1	10/11
391, 1919		Haz Mat Unit – 2	10/12 2175
		Station 24(Back Room)	10/12
 451B	 (11)		
392,		MazMat Unit	10/12
394		Airport	10/12
516		Warehouse	10/12
389, 387		2 for CBRNE 24	10/12
388, 395		2 for CBRNE 76	10/12
743, 773		2 for CBRNE 28	10/12
742, 749		2 for CBRNE 33	10/12
 ASM 993	 (11)		
26,		HazMat Unit	10/12
49		Airport	10/12
31		Station 24(Back Room)	10/11
032, 033		2 for CBRNE 24	10/12
028, 035		2 for CBRNE 76	10/12
077, 074		2 for CBRNE 28	10/12
073, 070		2 for CBRNE 33	10/12
 Mini Radic	 (50)		
7653, 7654, 7655, 7656, 7657, 7658, 7659, 7661, 7662, 7663,		10 for CBRNE 24	10/12
7664, 7665, 7666, 7667, 7668, 7669, 7670, 7671, 7672, 7673,		10 for CBRNE 76	10/12
7674, 7675, 7676, 7677, 7678, 7679, 7680, 7681, 7683, 7687		10 for Haz/Mat Unit	10/12
 07066399, 07065852, 08067490, 08067714, 08067765,			10/12
08068027, 08067808, 08067757, 07066396, 08068360		10 for CBRNE 33	10/12
 08068624, 07066416, 07066396, 08068623, 07066613,			10/12
08068054, 07066431, 08067682, 08068082, 06064328		10 for CBRNE 28	10/12
 K8 Nuke	 (200)	Warehouse	N/A
Mini Radic	(50)	Station 24 (Back Room)	3/13

Toxic / Atmospheric Monitors

PHD Ultra Atmospheric Monitor (22) N/A
PHD Ultra Monitor (Oxygen, LEL, Carbon Monoxide, Hydrogen Sulfide)
Old/Antiquated – unable to repair after 12/2010

<u>Serial #</u>	<u>Engine</u>	<u>Location</u>
15222		Engine 12
20551		Engine 14
18477		Engine 15
11412		Engine 26
19326		Engine 21
21387		Out of Service
15170		Out of Service
11416		Engine 25
11399		Engine 27
11401		Out of Service
15222		Engine 38
11398		Engine 34
11415		Engine 66
21283		Out of Service
19382		Out of Service using it for Parts
18481		Haz Mat 24
19341, 19381, 19235, 19618, 43695 (PHD Lite)		Heavy 21
43354 (PHD Lite)		Rescue 21

PHD 6 Atmospheric Monitor (23 Unit)

530926012	HazMat 24 – My Office
631023004	Engine/CBRNE 28
531023001	Truck 22
531038044	Truck 16
531038039	Truck 18
531048021	Truck 11
531048013	Truck 17
531128047	Engine/CBRNE 24
531128048	Engine 23
531128050	Engine/CBRNE 33
531128049	Engine/CBRNE 76
531128052	Reddog 44
531128051	Engine 20
531128053	Engine 65

PHD 6 Atmospheric Monitor “Firmware 1.52”

531140025 Engine
531140026 Engine 29
531140028 Engine 15
531140029 Engine
531140030 Engine
531140031 Engine 27
531140032 Engine
531140033 Engine
531140034 Engine 14

Chlorine	(2)		
0055		Office Hazmat 3	03/10
0056		HazMat Unit	05/10
Ammonia	(2)		
0109		Office	OUT OF SERVICE
0105		HazMat Unit	05/10
HNU	(4)		
311062		HazMat Unit 24	06/10
311058		Randy's Office	02/10
101C0601		Randy's Office	02/10
101C0602		Randy's Office	06/10

<u>BW MICRO 4 Atmospheric Monitor</u>	(2)		N/A
SE107-007841			Heavy Rescue
SE107-007843			Heavy Rescue

<u>BW MICRO 5 Atmospheric Monitor/PID</u>	(1)		N/A
SK107-007780			HazMat Unit
<u>BW MICRO 5 Atmospheric Monitor/Ammonia</u>	(2)		N/A
SE308-001819 (missing)			HazMat Unit
SE308-001820			HazMat Unit

<u>BW MICRO 5 Atmospheric Monitor/Chlorine</u>	(2)		N/A
SE308-001818			HazMat Unit
SE308-001817			HazMat Unit

<u>BW MICRO 5 Atmospheric Monitor/Hydrogen Cyanide</u>	(1)		N/A
SE308-001827			HazMat Unit

Chemical Agent Detection

APD 2000	(6)		
4014, 4043		2 on HazMat Unit	
4013		1 for CBRNE 24	6/06
0941		1 for CBRNE 76	9/05
5542		1 for CBRNE 28	
5544		1 for CBRNE 33	

Sabre 2000	(1)	Office	N/A
M90	(1)	Office	N/A

Chem Pro 100	(6 Units)		
20CP0404001491		Warehouse	?????
20CP0404001508		1 for CBRNE 24	11/11
20CP0404001485		1 for CBRNE 76	11/11
20CP0204001470		1 for CBRNE 28	11/11
20CP4503001327		1 for CBRNE 33	11/10
20CP4503001347		1 for HazMat 24	11/11

Detection Tubes/Chips

Draeger Tubes		HazMat Unit	06/11
CMS Tubes		HazMat Unit	06/11

Explosive Detector

Fido XT		Metro Police (ARMOR)	N/A
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Thermal Imager

Scott Eagle Imager 160		Engine 11	N/A
		Truck 11	
		Engine 12	
		Reddog 40	
		Engine 14	
		Engine 15	
		Engine 16	
		Truck 16	
		Engine 17	
		Truck 17	
		Engine 18	
		Truck 18	
		Engine 19	
		Engine 20	
		Engine 21	
		Heavy Rescue 21	
		Engine 22	
		Truck 22	

Engine 23
Engine 24
Hazmat 24
Engine 25
Engine 26
Engine 27
Engine 227
Engine 28
Engine 29
Engine 31
Engine 32
Engine 33
Engine 34
Engine 38
Engine 65
Engine 66
Engine 76
Truck 76
Engine 85
Battalion 2
Battalion 3
Battalion 6

LAS VEGAS FIRE & RESCUE
HAZARDOUS MATERIALS PROGRAM

FIRST RESPONDER UNITS
EQUIPMENT LIST

Haz/Mat Unit 1231 Inventory

Computer Area

Quantity	Description of Equipment
1	Computer, Laptop, Mac
1	Computer, Laptop, Dell w/case
1	Inventor, Power
1	Manual, Computer Operation
1	Printer, HP 970 Cxi
1	Station, Weather

Books

Quantity	Description of Equipment
1	Cameo Operations Manual
1	CAT Radio
1	Chris Manual, Vol. 1
1	Chris Manual, Vol. 2
1	Chris Manual, Vol. 3
1	Condensed Chem. Dictionary
1	DOT Guidebook
1	Emergency Care HazMat Exposure
1	Emergency Handling of HazMat
1	Emergency Action Guide
1	Fire Fighter Handbook of HazMat
1	Gaix Tank Car Manual
1	HazMat Dictionary
1	HazMat Manual
1	Interapiro Op. Instructions
1	Misc. Folder
1	NFPA Guide to HazMat
1	NIOSH Guide to Chemicals
1	Safe Hand. Of Comp. Gas
1	Sax Manual
1	Selection of Chem. Protection Clothing
1	Victoreen Manual

Basket –1 (B-1)

Quantity	Description of Equipment
14	Towels, Bath

B-2

Quantity	Description of Equipment
50 bags	HazMat (yellow)
80 bags	Lawn

B-3

Quantity	Description of Equipment
6 gallons	Bleach

B-4

Quantity	Description of Equipment
2 gallons	Decon Soap
1 gallon	Tinture of Green Soap
1 gallon	Vionex Soap
1 gallon	Distilled Water

B-5

Quantity	Description of Equipment
3 gallons	Haz Sorb
12	Sample Jars
1	Plug and Dike

B-6

Quantity	Description of Equipment
10 boxes	Ziplock Bags

B-7

Quantity	Description of Equipment
2	Spray Bottles

B-8

Quantity	Description of Equipment
1 coupling	8" Ext. to Buddy
3 coupling	Hansen, Straight
3 coupling	Hansen, "T"
1	Mask, Revitox Rescue

B-9

Quantity	Description of Equipment
3 rolls	Duct Tape
4 rolls	Barrier Tape

B-10

Quantity	Description of Equipment
4 rolls	Diking Material

B-11

Quantity	Description of Equipment
1	Saw, Hole, Pneumatic

B-12

Quantity	Description of Equipment
4	Wash Basins
10	Large Scrub Brushes
5	Small Scrub Brushes
4 bars	Soap

B-13

Quantity	Description of Equipment
4	Hard Hats

B-14

Quantity	Description of Equipment
1	Cable Battery
12 pairs	Safety Goggles

B-15

Quantity	Description of Equipment
12 batteries	"C" Cell
24 batteries	"D" Cell
2 batteries	"D" Cell (lifetime)
8 batteries	9 Volt
10	Explosion Proof Flashlights

B-16

Quantity	Description of Equipment
1 kit	Maxi-Force Straps

B-17

Quantity	Description of Equipment
12 pairs	Latex Poly Gloves
12 pairs	Neoprene Gloves
3 pairs	Viton Gloves

B-18

Quantity	Description of Equipment
12 pair	Nitrile Line, Solvex Gloves

B-19

Quantity	Description of Equipment
3 boxes	Exam Gloves
12 pair	Vinyl Everflex Gloves

B-20

Quantity	Description of Equipment
12 pair	Latex Lined Gloves
12 pair	Latex Unlined Gloves

B-21

Quantity	Description of Equipment
20 pairs	Cover, Shoe/boot, Soft

B-22

Quantity	Description of Equipment
20 pairs	Cover, Shoe/boot, Hard

B-23

Quantity	Description of Equipment
1	Tarp

B-24

Quantity	Description of Equipment
2	Tarp

B-25

Quantity	Description of Equipment
4 pair	Size 11 Boots

B-26

Quantity	Description of Equipment
1 pair	Size 12 Boots
2 pair	Size 13 Boots

B-27

Quantity	Description of Equipment
2 pair	Size 14 Boots

B-28

Quantity	Description of Equipment
1 pair	Size 15 Boots

Shelf 1 (S-1)

Quantity	Description of Equipment
1	Manifold, Remote Air

S-2

Quantity	Description of Equipment
1 each	Bottle of Scott Air
8 each	Stool Camp

S-3

Quantity	Description of Equipment
1 kit	Maxi-Force Airbags
1 kit	Maxi-Force Conversion

S-4

EMPTY

S-5

DRAEGER EQUIPMENT

S-6

Quantity	Description of Equipment
2 each	PhD Ultra Charger
2 each	Atmospheric, PhD Ultra Monitor
2 each	CAT Radio, Speaker, Remote
1 each	Strip Chemical
1 each	Strip, Ph Test
1 each	Strip, Spa Test
2 each	Strip, AC Power

B-29

Quantity	Description of Equipment
6 each	Splash Responder Suits

B-30

Quantity	Description of Equipment
24 each	Saranex Laminated Tyvek

B-31

Quantity	Description of Equipment
12 each	Tyvek Suits (Size XL)
12 each	Tyvek Suits (Size XXL)

B-32

Quantity	Description of Equipment
5 pair	Size 10 Boots
2 pair	Size 11 Boots

Misc. Equipment (front)

Quantity	Description of Equipment
1 each	Remote Air Supply
5 each	Airline Hose (yellow)
1 kit	Chlorine "A"
1 kit	Chlorine "B"
1 kit	Drum & Tank Repair
1 kit	Haz-Cat
1 kit	HazMat A-2
1 kit	HazMat C-1
1 kit	HazMat E-ns
1 each	CAT Radio
2 each	Rescue Sleds

Misc. Equipment (rear)

Quantity	Description of Equipment
1 each	Chemical Resistant Broom
1 each	Drum Carrier
8 each	Cone Barrier
4 each	Trash Containers
2 each	Airline Hose (red)
3 each	Garden Hose
1 each	Decon Shower w/pool
1 each	Non-sparking Shovel
1 each	Chemical Resistant Squeegee
1 each	U-pender Drum
1 each	Decon Halo Wand
2 each	Decon Spray Wand

Drivers Area

Quantity	Description of Equipment
1 each	Binoculars, 10 x 50
1 each	Clipboard
1 each	Dry Powder, 5# Extinguisher
1 each	Log Equipment
1 each	Car Protectors
1 each	Electrical Tape

Non-Sparking Tools

Quantity	Description of Equipment
1 set	Complete

Entry Boxes 1 & 2

Quantity	Description of Equipment
2 each	Security w/keys Bags
4 pair	Band Gloves
2 each	Hanson, Straight Coupling
2 each	Hansen, "1" Coupling
2 pairs	Black Nitrile Gloves
2 pairs	Latex Poly Gloves
2 pairs	Rubber Gloves (white)
2 each	Hard Hat
1 each	Baby Powder
1 roll	Duct Tape
1 roll	Mashing Tape
2 each	Watch Stop

Suits

Quantity	Description of Equipment
1 each	Responder Flash Suit
4 each	Responder Suits (blue)
3 each	Trellchem Suits
5 each	Tychem Suits (green)