DEPARTMENT OF RISK MANAGEMENT AND SAFETY

180-day Hazardous Waste Accumulation Area

Contingency Plan

Implemented on October 13, 2011

Version 3.2

Johnny Centineo, Executive Director, Risk Management and Safety

Gary Snodgrass, Environmental Management & Laboratory Safety Manager

George Fratus, Chemical Hygiene Safety Officer

Bryan Necessary, Hazardous Material Safety Technician
# Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>4</td>
</tr>
<tr>
<td>Scope</td>
<td>4</td>
</tr>
<tr>
<td>Emergency vs. Disaster</td>
<td>4</td>
</tr>
<tr>
<td>Purpose</td>
<td>4</td>
</tr>
<tr>
<td>Emergency Procedures</td>
<td>4</td>
</tr>
<tr>
<td>General Emergency Procedure</td>
<td>4</td>
</tr>
<tr>
<td>Specific Emergency Procedures</td>
<td>5</td>
</tr>
<tr>
<td>Fire</td>
<td>5</td>
</tr>
<tr>
<td>Explosion</td>
<td>5</td>
</tr>
<tr>
<td>Release</td>
<td>5</td>
</tr>
<tr>
<td>Evacuation</td>
<td>5</td>
</tr>
<tr>
<td>Support Agencies</td>
<td>6</td>
</tr>
<tr>
<td>Police</td>
<td>6</td>
</tr>
<tr>
<td>UNLV Department of Public Safety</td>
<td>6</td>
</tr>
<tr>
<td>Fire</td>
<td>6</td>
</tr>
<tr>
<td>Clark County Fire Department</td>
<td>6</td>
</tr>
<tr>
<td>Hospitals</td>
<td>6</td>
</tr>
<tr>
<td>Desert Springs Hospital</td>
<td>6</td>
</tr>
<tr>
<td>Sunrise Hospital &amp; Medical Center</td>
<td>6</td>
</tr>
<tr>
<td>University Medical Center</td>
<td>7</td>
</tr>
<tr>
<td>Ambulance</td>
<td>7</td>
</tr>
<tr>
<td>American Medical Response</td>
<td>7</td>
</tr>
<tr>
<td>Medicwest Ambulance</td>
<td>7</td>
</tr>
<tr>
<td>Emergency Personnel</td>
<td>7</td>
</tr>
<tr>
<td>Emergency Contacts</td>
<td>7</td>
</tr>
<tr>
<td>Emergency Coordinator</td>
<td>7</td>
</tr>
<tr>
<td>Alternate 1</td>
<td>8</td>
</tr>
<tr>
<td>Alternate 2</td>
<td>8</td>
</tr>
<tr>
<td>Risk Management and Safety</td>
<td>8</td>
</tr>
<tr>
<td>Public Safety</td>
<td>9</td>
</tr>
<tr>
<td>Facilities Management</td>
<td>9</td>
</tr>
<tr>
<td>Public Affairs</td>
<td>9</td>
</tr>
<tr>
<td>Hazardous Materials Incident Notifications</td>
<td>9</td>
</tr>
<tr>
<td>Site Specific Information</td>
<td>9</td>
</tr>
<tr>
<td>180-day Hazardous Waste Accumulation Facility</td>
<td>9</td>
</tr>
<tr>
<td>Features</td>
<td>10</td>
</tr>
<tr>
<td>Emergency Equipment</td>
<td>10</td>
</tr>
<tr>
<td>Hazardous Waste Support Shed (Fratus Ready Room)</td>
<td>10</td>
</tr>
<tr>
<td>Fire Fighting Equipment</td>
<td>11</td>
</tr>
<tr>
<td>First Aid</td>
<td>11</td>
</tr>
<tr>
<td>Personal Protective Equipment</td>
<td>11</td>
</tr>
<tr>
<td>Spill Control Materials</td>
<td>11</td>
</tr>
<tr>
<td>Personnel Decontamination Supplies</td>
<td>12</td>
</tr>
<tr>
<td>Facility Location and Access</td>
<td>12</td>
</tr>
</tbody>
</table>
Introduction
The use of hazardous materials in society has become an everyday occurrence. Hazardous materials are ubiquitous in business and academic environments. They can be found in administrative offices as well as in scientific academic or research laboratories. Almost every emergency situation has the potential to involve hazardous materials that could cause an unexpected release of these harmful substances. Therefore even a seemingly minor situation could have the potential to rapidly escalate into a very serious situation.

Scope
This document applies only to emergency situations occurring at the UNLV 180-day Hazardous Waste Accumulation Facility, as required by 40 CFR Part 265, Subpart D; Contingency Plan and Emergency Procedures.

Emergency vs. Disaster
Although both emergencies and disasters are situations requiring immediate and deliberate responses, they differ in the magnitude and scope of the situation as well as the type of response each requires. An emergency is a crisis situation that is localized, i.e., restricted to a limited area. It can be handled by identified emergency response teams and does not have an effect upon the whole campus nor surrounding community. However, a disaster is a crisis situation of immense proportions. It involves the whole campus and possibly a part of the surrounding community. The policies and procedures described in this document apply to emergencies at the 180-day Hazardous Waste Accumulation Facility; whereas the Clark County Emergency Operations Plan would cover disaster situations.

Purpose
The purpose of this contingency plan is to minimize hazards to human health or the environment from fires, explosions, or any unplanned sudden or non-sudden release of hazardous materials or hazardous waste constituents to air, soil, or surface water.

Emergency Procedures

General Emergency Procedure
1) IDENTIFY the emergency
2) ASSESS the situation
2) EVACUATE the area if needed
3) NOTIFY the Department of Public Safety
4) RESPOND as needed

Contact the UNLV Department of Public Safety by dialing 911 from any campus telephone; by dialing 895-3668 from any outside telephone, or "Control" from a UNLV two-way radio, on the Police channel. Do NOT dial 8-911!
Specific Emergency Procedures
In the event of an emergency at the 180-day accumulation area involving hazardous materials or hazardous waste, first call the Risk Management and Safety emergency number at 702.278.3011 or via Police Services at 702.340.3668, then respond according to the most recent publication of the United States Department of Transportation Emergency Response Guidebook.

Fire
If the fire is located within the Hazardous Waste Containment Building, and the fire suppression system has not yet activated, activate the manual pull station located on the Northeast corner of the building only if it is safe to do so. Evacuate the facility and notify the Department of Public Safety. Wait for the Clark County Fire Department to arrive.

If the fire is located outside of the Hazardous Waste Containment Building, notify the Department of Public Safety and then use either of the portable fire extinguishers only if it is safe to do so. If the situation cannot be safely managed with the portable extinguishers, then evacuate the facility, and notify the UNLV Department of Public Safety. Stay onsite to help direct Clark County Fire Department to arrive, and support response effort.

Explosion
Evacuate the facility and then notify the Department of Public Safety. If fire department response is needed, wait for the Clark County Fire Department to arrive or use a portable fire extinguishers only if it is safe to do so. Be sure the scene is safe from secondary explosions before re-entry.

Release
Air - Notify the Department of Public Safety. Stop the source of the release only if it is safe to do so. Evacuate the facility and all nonessential personnel if needed. Report the release as needed.

Soil - Notify the Department of Public Safety. Stop the source of the release only if it safe to do so. Evacuate the facility and all non-essential personnel if needed. Utilize spill response equipment and supplies as needed. Report the release as needed.

Surface Water - Not Applicable; no surface water is present at or near the facility.

Evacuation
Evacuation Signal - If the 180-day Hazardous Waste Accumulation Facility needs to be evacuated, announce "Evacuate, Evacuate, Evacuate" while motioning to other personnel to leave.
While performing potentially hazardous operations at the facility a minimum of two routes of egress should be maintained at all times. No operation shall be performed in a manner that limits egress through both routes. The three possible egress routes are:

- Double swing gates on east side of facility
- Double swing gates on the west side of the facility
- Sliding door to double swing gates on the south side of the facility

**Support Agencies**

The following agencies provide emergency services to UNLV. The Dispatcher at the Department of Public Safety will record the details of the emergency, i.e., nature of the emergency, its location, injuries, and HazMat involvement. Other emergency response services will be requested through the Department of Public Safety, as needed. *Do NOT dial 8-911!*

**Police**

**UNLV Department of Public Safety**

Claude I. Howard Public Safety Building  
Emergency: 911 (from a campus telephone)  
Business: 702.895.3668 (off-campus telephones)  
Radio: Police Group, "Control"

**Fire**

**Clark County Fire Department**

Station 18  
575 East Flamingo Road  
Las Vegas NV 89119  
Business: 702.455.7311

**Hospitals**

**Desert Springs Hospital**

2075 East Flamingo Road  
Las Vegas NV 89119  
Emergency: 702.369.7647  
Business: 702.733.8800

**Sunrise Hospital & Medical Center**

3186 South Maryland Parkway
Las Vegas NV 89109
Emergency: 702.731.8080
Business: 702.731.8000

University Medical Center
1800 West Charleston Boulevard
Las Vegas NV 89102
Emergency: 702.383.2661

Ambulance

American Medical Response
1200 South Martin Luther King Boulevard
Las Vegas NV 89102
Business: 702.671.6900

Medicwest Ambulance
9 West Delhi Avenue
Las Vegas NV 89032
Business: 702.650.9900

Emergency Personnel

The Director of the UNLV Department of Public Safety, or their designee, serves as the coordinator for all emergency services at UNLV. However, the Assistant Director for Environmental Management and Laboratory Safety, or their designee, serves as the Emergency Coordinator for hazardous materials incidents. The Department of Public Safety maintains the call-out list of all emergency response personnel.

Emergency Contacts

Emergency Coordinator
Gary Snodgrass
Environmental Management & Laboratory Safety Manager
Office: 702.895.0463
Home: 702.254.9708
Cell: 702.278.3011
Radio: Channel 2, Radio Call Sign: Hazmat One
Alternate 1
George Fratus
Chemical Hygiene and Biosafety Officer
Office: 702.895.4942
Home: 702.896.5981
Radio: Channel 2, Radio Call Sign: Hazmat Two

Alternate 2
Bryan Necessary
Hazardous Materials Safety Technician
Office: 702.895.2929
Cell: 702.343.5746
Radio: Channel 2, Radio Call Sign: Hazmat Three

Alternate 3
Robert Hoffman
Safety Specialist II
Office: 702.895.4048
Radio: Channel 2, Radio Call Sign: Hazmat Four

Risk Management and Safety Office
Office: 702.895.4226
Radio: Channel 2, Radio Call Sign: RMS Two

Johnny Centineo
Executive Director
Office: 702.895.5522
Radio: Channel 2, Radio Call Sign: RMS One

Larry Warkentin
Fire and Life Safety Officer
Office: 702.895.2990
Radio: Channel 2, Radio Call Sign: FireSafe 1

Paul Rodriguez
Fire and Life Safety Inspector I
Office: 702.895.1791
Radio: Channel 2, Radio Call Sign: FireSafe 2

Michael Means
Insurance Administrator
Office: 702.895.5735
Public Safety
Jose Elique
Director of Public Safety and Chief of Police
Office: 702.895.3668

Facilities Management
Karl Reynolds
Associate Director for Facilities Management
Office: 702.895.0888

Media Relations
Tony Allen
Assistant Director
Office: 702.895.0893
Cell: 702.443.3962

Afsha Bawany
Media Relations Specialist
Office: 702.895.5515

Hazardous Materials Incident Notifications
If a material is released to the environment, which meets or exceeds a reportable quantity, the Emergency Coordinator will notify the Nevada Division of Emergency Management. During business hours (Monday through Friday, 8:00 am to 5:00 p.m.) the number to call is 775.687.0300. Outside of those hours, the Nevada Division of Emergency Management number is 775.688.2830, or contact the Nevada Highway Patrol at (775) 687-5300.

Other emergency notification agencies include:

- State Emergency Response Commission: 775.687.6973
- Local Emergency Planning Commission: 702.455.5715
- Nevada Division of Environmental Protection: 775.687.4670
  Or for Spill Reporting: 888.331.6337

Site Specific Information

180-day Hazardous Waste Accumulation Facility
The 180-day Hazardous Waste Accumulation Facility is located in a secured, fenced compound area, directly south of the UNLV Department of Public Safety. The main structure is a Model-15 pre-fabricated containment facility, manufactured by Safety Storage, Inc. and is secured to a
reinforced concrete slab with an integral containment berm.

Features

Factory Mutual Approval
Outside Dimensions: 15' 4" L x 9' W x 8' 7-1/2" H
Inside Dimensions: 14' 7" L x 8' W x 7' H
Two rooms separated by a 2-hour fire-rated chemical separation wall. Interior chemical-resistant epoxy coating
380 gallons spill containment capacity
Two doors with 3-points locking mechanism
2-1/2" NHT fire department water hookup - outside of the compound, on the West Side
Fire sprinkler system with two sprinklers
Ansal dry chemical fire suppression system
Corrosion-resistant metal floor grating
Exterior/interior grounding connections
One exterior grounding rod
R-11 insulated double walled construction
Polypropylene sump liner in corrosive compartment
Two explosion-proof ventilation systems, 450 CFM each
Explosion-relief construction with vent panels on roof, one in each room
Two explosion-proof interior lights
48 linear feet of 15" deep shelving
Two louvered air inlet vents
One liquid level detector in flammable compartment with audible alarm
One Division II air conditioning/heating combination unit in each room
One manual fire alarm/suppression pull station is located on the North-East corner of the building.

Emergency Equipment
Fire Alarm & Suppression System
Manually activated emergency call box
One Class D and one Class ABC fire extinguisher near the East gate
Deluge Shower & Eye Wash
Absorbents & Spill Control Supplies in the RubberMaid™ shed
85 gallon recovery drums

Hazardous Waste Support Sheds
The first Hazardous Waste Support Shed is located just South of the 180-day Hazardous Waste Accumulation Facility in a separate, yet connected, secured, fenced compound. This facility does not accumulate waste. It is used for operational support and storage of equipment and supplies.
The structure is a 10' x 12' Tuff-Shed storage building. The following emergency response supplies are located there:

**First Aid**
A first aid medical cabinet is located on the North-East inside wall. The cabinet contains various first aid supplies and information.

**Fire Fighting Equipment**
One twenty pound CO₂ fire extinguisher is located on the outside North-East corner.

**Chemical Analytical Equipment and Reference Material**
The shed contains an FT-IR (Fournier Transfer Infrared Spectrometer) capable of identifying over 18,000 pure chemical compounds. The instrument can analyze unknowns whether in the form of solid, liquid or gas. The shed also contains reference material necessary to properly manage the storage, labeling, packaging and disposal of hazardous waste.

The second Hazardous Waste Support Shed is located just East of the 180-day Hazardous Waste Accumulation Facility. This facility does not accumulate waste. It is used for operational support and storage of equipment and supplies. The structure is a 10' x 15' Tuff-Shed storage building. The following emergency response supplies are located there:

**Personal Protective Equipment**
Eye Protection - safety glasses and splash goggles.
Protective Clothing - QC Tyvek coveralls in various sizes.
Protective Clothing - Level B suits in various sizes.
Gloves - Nitrile, Butyl, Neoprene and Latex glove in various sizes.
Boots - Butyl hard-toe boots in sizes 8, 10, 12 and 14.
Respiratory Protection - North full-face air purifying respirators, in medium/large size, with assorted cartridges. Mine Safety Appliance self contained breathing apparatus, in medium size, with one-hour cylinders.

**Spill Control Materials**
A supply of spill containment absorbents and equipment is maintained at the facility.

Loose absorbent for non-aggressive liquids
Absorbent pads for non-aggressive liquids
Absorbent pads for aggressive liquids
Absorbent socks non-aggressive liquids
Absorbent socks aggressive liquids
Absorbent pillows non-aggressive liquids
Absorbent pillows aggressive liquids
Skimming booms for removing oil from water.
Wipers and rags
Non-sparking shovel
Non-sparking scoop
Non-sparking scraper
Non-sparking drum-bung wrench

**Personnel Decontamination Supplies**
The deluge shower and eye-wash located at the 180-day Waste Accumulation Facility is utilized for emergency decontamination of personnel. For non-emergency decontamination and cleaning, the following is available:

- Bio-degradable, non-toxic water-based cleaners
- Citrus-based pre-moistened wipes
- Paper and cloth wipes and rags
- Portable decontamination shower

**Facility Location and Access**
The facility is reached by traveling East on Harmon Avenue from the intersection of Swenson Street and Harmon Avenue. The third single-story building on the South (right) side of the street is the Claude I. Howard Public Safety Building. Continue to the driveway on the East side of this building and turn right. The 180-day Hazardous Waste Accumulation Facility is located at the Southwest corner of the fenced parking lot behind the building.

Please reference Attachment A - UNLV Campus Map

The Department of Public Safety keeps a set of keys to the 180-day Hazardous Waste Accumulation Facility and the Hazardous Waste Support Shed. These keys are primarily held for emergency use by emergency responders. Other than emergency responders the only individuals authorized to obtain use the Public Safety keys are Johnny Centineo, Gary Snodgrass, George Fratus and Bryan Necessary. Individuals with keys are as follows:

- Johnny Centineo
- Gary Snodgrass
- George Fratus
- Bryan Necessary
- Robert Hoffman

Anyone else requiring access to the area to effect repairs, inspect, or to provide services must obtain permission from one of the individuals identified above and be accompanied to the facility area where the representative will unlock the facility as needed.

**Hazardous Waste**
Wastes are generated and accumulated at satellite accumulation areas, and then transported to the 180-day Hazardous Waste Accumulation Facility where they are kept for up to 90 days. A wide variety of hazardous wastes, with a wide variety of hazards, are generated at UNLV. Below is a list of typical waste types:
Photochemicals containing Silver and/or Selenium
Halogenated and non-halogenated solvents (flammables)
Aqueous Acid Solutions
Wipers and rags containing solvents and heavy metals
Metallic Mercury and Mercury compounds
Oil-based paints
Lab-packs of toxics
Lab-packs of oxidizers
Lab-packs of reactives
Lab-packs of cyanide or sulfide bearing material

The hazard classes associated with wastes accumulated include, but are not limited to:

Flammable/combustible liquid
Organic peroxide
Flammable solid
Water reactive
Sensitizer
Corrosive - acidic and alkaline
Oxidizer
Irritant
Toxic - heavy metals, pesticide or other

Amendments
Amendments to this Contingency Plan are anticipated. This document will be reviewed and revised annually, and if:

Applicable regulations are revised
The plan fails in an emergency
The 180-day Hazardous Waste Accumulation Facility changes
The Emergency Coordinators change
The emergency equipment changes

All changes, additions, and/or deletions will be published and distributed as soon as possible following any review process.
Distribution

One copy of this Contingency Plan is kept at the 180-day Hazardous Waste Accumulation Facility. The plan is also distributed to the following personnel and support agencies:

Johnny Centineo, M/S 1042
Gary Snodgrass, M/S 1042
George Fratus, M/S 1042
Bryan Necessarily, M/S 1042
Jose Elique, M/S 2007
Karl Reynolds, M/S 1048
Tony Allen, M/S 1012
Afsha Bawany, M/S 1012

UNLV Department of Public Safety, M/S 2007
UNLV Department of Risk Management and Safety, M/S 1042

Attn: Richard Brenner, Hazardous Materials Coordinator
Clark County Fire Department
575 East Flamingo Road
Las Vegas NV 89119

Attn: Michael Richardson, Compliance and Enforcement Supervisor
Nevada Division of Environmental Protection
1771 East Flamingo Road Suite 121-A
Las Vegas NV 89119

Attn: Manager of Public Safety
Desert Springs Hospital
2075 East Flamingo Road
Las Vegas NV 89119

Attn: Lionel Hamilton, Manager of Public Safety
Sunrise Hospital & Medical Center
3186 South Maryland Parkway
Las Vegas NV 89109

Department of Human Resources
University Medical Center
1800 West Charleston Boulevard
Las Vegas NV 89102

Attn: Tony Greenway, Operations Manager
American Medical Response
1200 South Martin Luther King Boulevard
Las Vegas NV 89102
Attn: Mark Calabrese, Operations Manager
Medicwest Ambulance
9 Deli West Avenue
Las Vegas NV 89032

Attn: Irene Navis, Director
Clark Country OEM and HS
PO Box 551713
Las Vegas NV 89155

Attn: Christopher B. Smith, Chief
Nevada Division of Emergency Management
2478 Rairview Drive
Carson City NV 89701

Attn: Karen Pabon, Executive Director
State Emergency Response Commission
2621 Northgate Lane #10
Carson City NV 89706
Appendix A

UNLV Campus Map

UNLV Campus Map, highlighting the Haz Pad and the quickest route.