

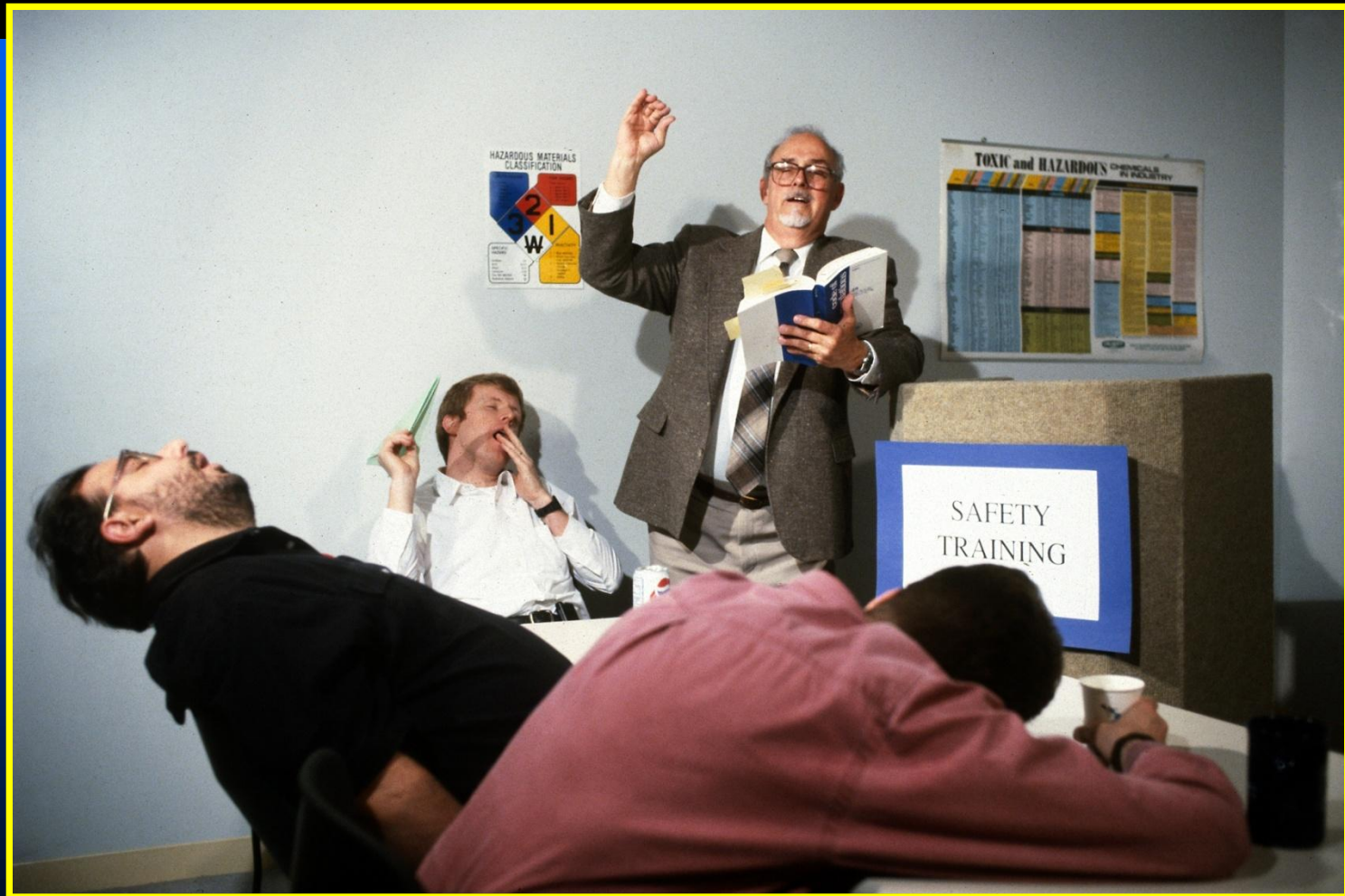
New Hire Safety Orientation

“Safety Through Involvement”

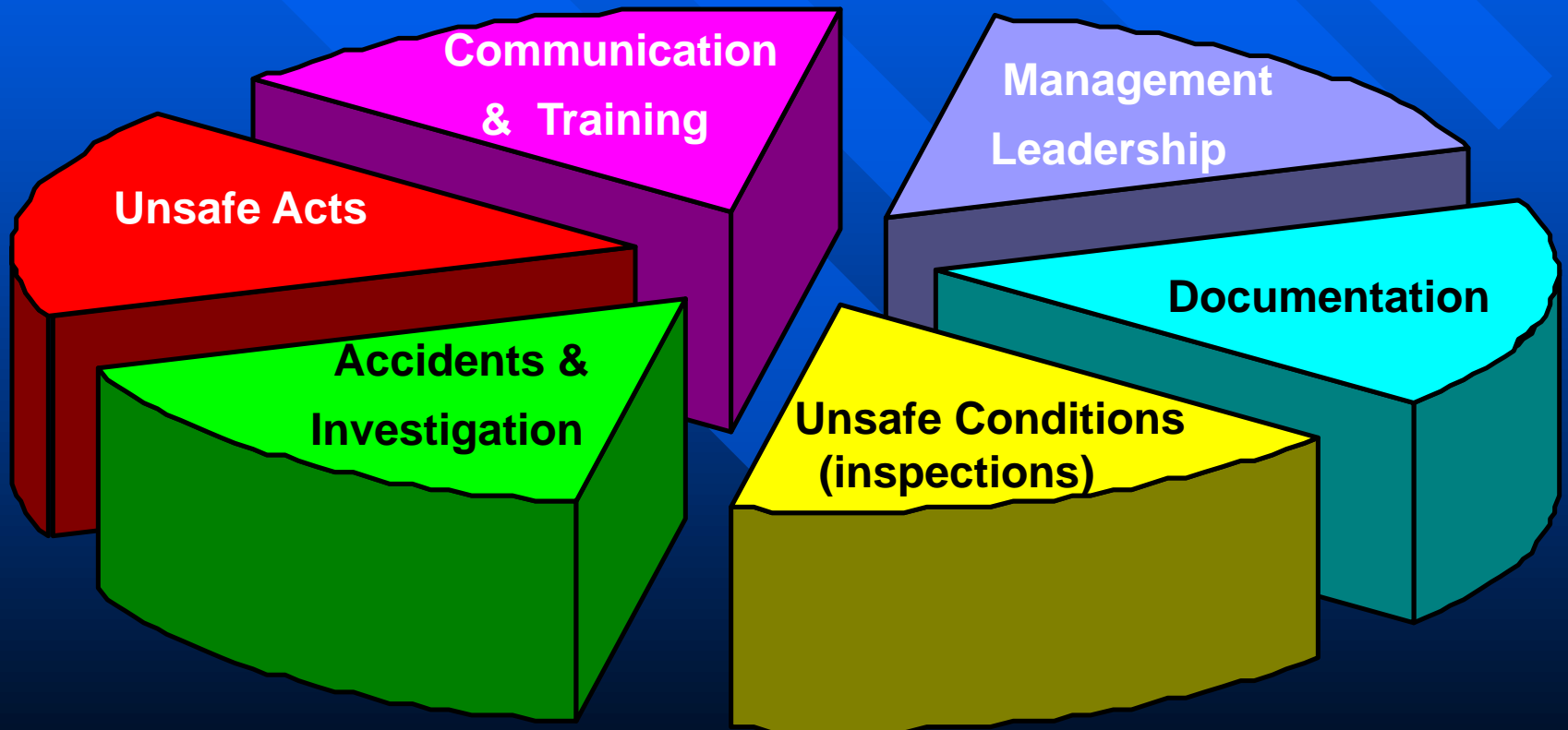


Presented by Safety Operations

Oh No ! Not another boring Safety Class



The World of Safety according to Steve



Unsafe Act or Unsafe Condition



EH&S Regulations (US only)



Injury & Illness Prevention Program (IIPP)

**Encourage Proper
Behavior**

**Identify who is
responsible**

**Communication
Training**

At- Risk Behaviors

**Management
Leadership**

Documentation

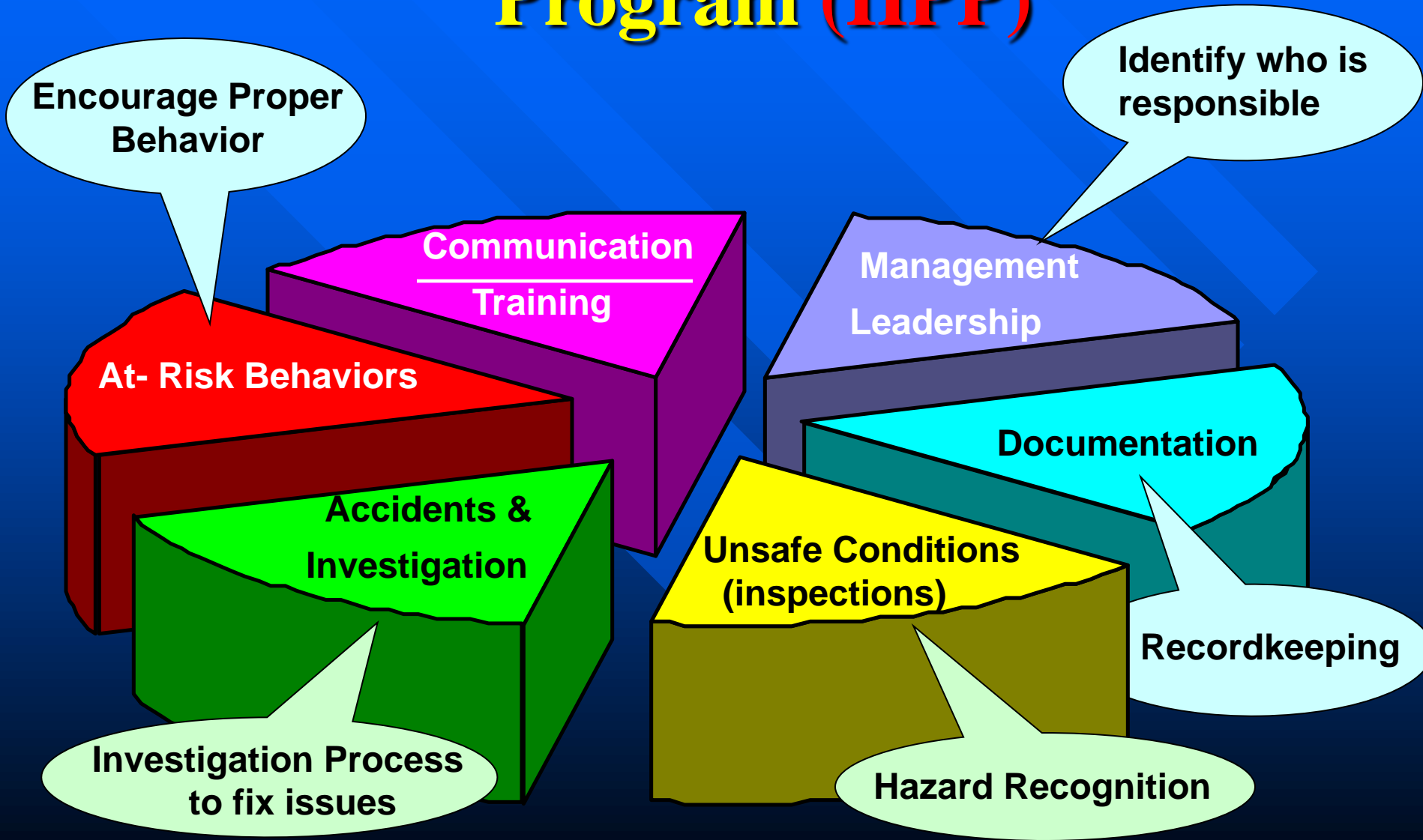
**Accidents &
Investigation**

**Unsafe Conditions
(inspections)**

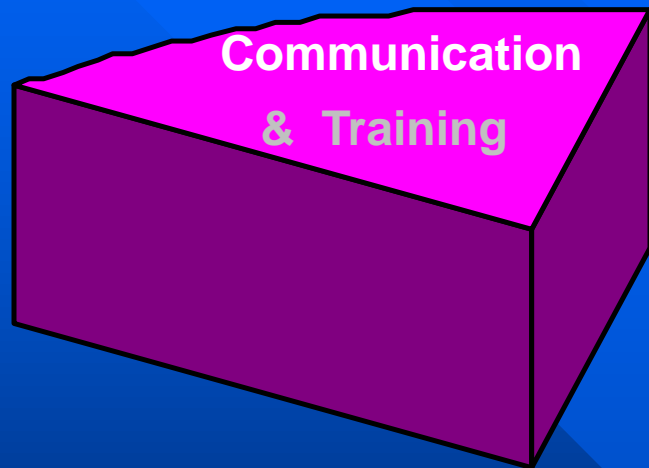
Recordkeeping

**Investigation Process
to fix issues**

Hazard Recognition



Communication (IIPP)



In addition to fostering open communications with your boss:

- Field Personnel - Monthly Safety Meetings
- Office Personnel – Quarterly Safety Meetings
- Safety Support Rep.
- Safety Ombudsman ext. 5534
- Safety Bulletin – Periodically
- ENN (Employee News Network - online)





Incident Reduction (IIPP)

Encourage Proper Behavior

Behavior Based Programs

- SCORCH
- STOP

Incident Reviews (IR) & SITS



Periodic Audits & Inspections

At- Risk Behaviors

Accidents & Investigation

Investigation Process
to fix issues

**Unsafe Conditions
(inspections)**

Hazard Recognition

IIPP The Umbrella Program



(other regulations & training)

A large, dark blue umbrella graphic that serves as a background for the central text and lists. The word "IIPP" is written in large red letters across the center of the umbrella's canopy.

IIPP

Hazard Communication
Hearing Conservation
Lockout Tagout
Confined Space
Trenching & Shoring
Vehicle Safety
Crane Operations
Forklift Safety
Fall Protection
Substation Entry

Ergonomics
Incident Investigations
Heat Illness Prevention
Respirators
Personal Protective Equipment (PPE)
Emergency Action Plans
Bloodborne Pathogens
Electrical Arc Protection
Safety Observations
Dog Bite Prevention



Employee News Network



SMUD will extend its nearly 20-year-old campaign to plant shade trees under a contract authorized by the Board of Directors. (Image from Bigstockphoto.com)

Board OKs energy, tree contracts

(Nov. 6, 2009) Acting at their regularly scheduled meeting on Thursday evening, Board members approved contracts to purchase biomass power, spur solar energy development, and plant more shade trees in the SMUD service area. [See story.](#)

Tracy delivers financial forecast

(Nov. 6, 2009) SMUD just might catch a break and not have to raise rates in 2012, Chief Financial Officer Jim Tracy told directors in a financial forecast this week. That ray of good news was based on a couple of caveats. [See story.](#)

More Recent Stories...

- Campus Cars are baaaack!
- Mediation can solve workplace conflicts
- Regulators accept Rancho Seco cleanup
- In with the November bill
- Slideshow: Spooky times at SMUD

News Archives

Welcome to the new intranet

- **Help:** Brief video with site basics
- **Forum:** Pose questions, problems
- **Survey:** Seven quick questions

Site Tip:

Looking for open enrollment? Mouse over "Pay & Benefits" at the top of the page and then click on "Employee Self Service."

Current SMUD Statistics

Load: 1332 MW

Temp: 49°

Featured Links

- Open Enrollment Ends close-of-business Nov. 13
- Help video: Intranet basics
- SMUD Ethics & Compliance Hotline
- Smart Meter | Smart Grid
- Online Events Registration
- Employee Recognition
- District Applications
- Help Desk

Industry News

AES in Line with Zacks Consensus (Zacks.com)

Advocates want public input on Empire rate request (AP)

Monday, November 09, 2009

Sacramento, CA



Fair

47°

High: 65°

Low: 43°

[More weather links...](#)

Around SMUD

Start Time	Title
11/10/2009 11:00 AM	Inclusion & Development Fair
11/10/2009 11:00 AM	Diabetes Prevention/Maintenance Part 2
11/10/2009 3:00 PM	Open Enrollment Info Session - Fresh Pond
11/10/2009 4:00 PM	2010 Budget Review
11/11/2009 7:00 AM	Open Enrollment Info Session - Meter Reading
11/11/2009 11:30 AM	Great American Smokeout
11/11/2009 4:00 PM	2010 Budget Review
11/12/2009 7:30 AM	Supervisor Summit

Previous

Next

[SMUD in the Community Events Calendar](#)

Video



Video: How to plant your free shade tree.

District Poll

How do you feel about SMUD's smart grid project?

- ☐ I think customers will be wary of the effort.
- ☐ Customers may think it costs too much.
- ☐ A combination of the above.
- ☐ I think customers will embrace the effort, over time.
- ☐ I don't know much about it.

Vote

Results

FileEditViewFavoritesToolsHelp

Back

Search

Favorites

Addresshttp://smudinet/Pages/Default.aspxGo

SMUDiNet

HOMEDISTRICTTOOLS & SUPPORTPAY & BENEFITSCAREER & TRAININGSAFETYSUPERVISORSWORK GROUPS

Phone Directory


First Name

Last Name

Search

This section

ENN (Employee News Network)



Snow cat was the best option for getting around Loon Lake on Wednesday. (Photo by Dan Lund, Power Generation.)

Hoping for a wet new year

(Dec. 31, 2009) The calendar year finished on a hopeful note for the water year, with precipitation totals for December right in line with the historical average near SMUD's hydroelectric system in the Eldorado National Forest. See story and another photo [here](#).

In the beginning . . .

(Dec. 29, 2009) SMUD replaced PG&E as Sacramento's provider of electric service on Dec. 31, 1946. Employees can get a glimpse into the earliest years of SMUD operations with newly posted issues of the old HiLines from 1947, 1948, 1949, 1950 and 1951. (Find the archive [here](#).)

More Recent Stories...

What's in the bill

SMUD to buy more renewable gas

Winner picked in Inclusion Theme competition

Hribar named to new economic development position

News Archives

Current SMUD Statistics

Load: 1369 MWTemp: 49°

Featured Links

SMUD Ethics & Compliance Hotline

Help video: Intranet basics

Smart Meter | Smart Grid

Online Events Registration

Employee Recognition

District Applications

Help Desk

SMUD.org

Industry News

Sector Snap: Analyst adjusts utilities view (AP)

Dominion decides to keep W.Va. gas operation (AP)

Investment Officer Sees Underweight Rating On Utilities: Energy Usage Needs To Return To Pre Financial Collapse Levels (Wall Street Transcript)

Dynegy Announces Funding of Significant Debt Reduction Initiative (Business Wire)

Public Power Daily

The U.S. Environmental Protection Agency's proposal to regulate greenhouse gases under the Clean Air Act is an "imperfect, but responsible way to proceed," APPA told the agency in comments filed Dec. 23. APPA would prefer that greenhouse gases be regulated under new legislation, but the association recognizes that Congress is unlikely to enact a climate change law in 2010, leaving EPA to proceed under its existing statutory authority.

Accounting

Advanced Renewables | Distributed Generation

Board Office

Budget Office

Business Planning and Budget

Business Technology

Communications and Community Relations

Corporate Communications

Customer, Distribution and Technology

Customer Services

Distribution Services

Economic Development

Energy Efficiency Customer R&D

Energy Supply

Energy Trading Contracts

Environmental Management

General Services

Health & Safety

Human Resource Services

Inclusion Office

Legislative and Regulatory

Marketing Services

Office of the General Counsel

Organization & Workforce Development

Power Generation

Reliability Compliance & Coordination

Resource Planning & Pricing

Risk Management

Security Operations

State & Federal Compliance

Strategic Partnerships

Supply Chain


System Operations & Reliability (SOAR)

Treasury

Workforce and Workplace

Advanced search

Video



the SMUD Smart Meter project.

strict Poll

ng Dec. 31, 2009 would

Results

© 2009 Sacramento Municipal Utility District

Contact Us | Site Directory

http://smudinet/people/health-safety/Pages/default.aspxLocal intranet

3-07 Health and Safety Ombudsman Policy 2-03-03	Communications
3-07 PR Health and Safety Ombudsman Procedure 2-03-03	Communications
4-01 Safety Observation and Reporting 7-31-07	Hazard Recognition
4-02 Housekeeping	Hazard Recognition
5-01 Fire Prevention Plan Policy	Hazard Control
5-02 Vehicle Safety 10-09-00	Hazard Control
5-03 Musculo Skeletal Disorders 2-12-01	Hazard Control
5-04 Hearing Conservation	Hazard Control
5-05 Personal Protective Equipment	Hazard Control
5-06 Respiratory Protective Program	Hazard Control
5-07 Lock Out Tag Out Program 1-02-03	Hazard Control
5-07 PR Lock Out Tag Out Procedure 1-02-03	Hazard Control
5-08 Confined Space Entry Program 3-13-02	Hazard Control
5-08 PR Confined Space Entry Procedure 3-13-02	Hazard Control
5-11 Occupational Prescription Eyewear Program 7-10-06	Hazard Control
5-13 Reduction Electrical Arc Flame Exposure 1-22-01	Hazard Control
5-14 Bloodborne Pathogens	Hazard Control
5-16 Fall Protection 7-17-08	Hazard Control
5-17 IIPP Workplace Security and Violence Prevention	Hazard Control
5-18 Special Motorized Equipment 8-18-09	Hazard Control
5-19 Heat Illness Prevention 11-13-06	Hazard Control
5-20 Substation Entry 7-22-09	Hazard Control
5-21 Dog Bite Prevention 7-22-09	Hazard Control
6-01 Incident Reporting and Investigations	Injury and Illness Prevention
6-02 Medical Practice Electric Shock 9-01-97	Injury and Illness Prevention
6-03 Major Incident Investigations 1-07-09	Injury and Illness Prevention
7-01 Health and Safety Training 9-01-97	Training
8-01 Injury and Illness Record Keeping 12-08-03	
8-01 PR Injury and Illness Record Keeping Procedure 12-03-03	
8-03 Enforcement District IIPP 7-01-93	Compliance
8-04 Contractor Safety 3-01-00	Compliance
8-06 Cal OSHA BOI Inspections and Investigation 5-01-98	Compliance
9-01 General Safety Rules 12-01-96	General Safety Policy

General Safety Rules

General Safety Rules



What if...

(Emergency Action Plans)

- Fire
- Earthquake
- Flood
- Bomb Threat
- Toxic Release
- Civil Disobedience
- Medical

Call ext.
5911

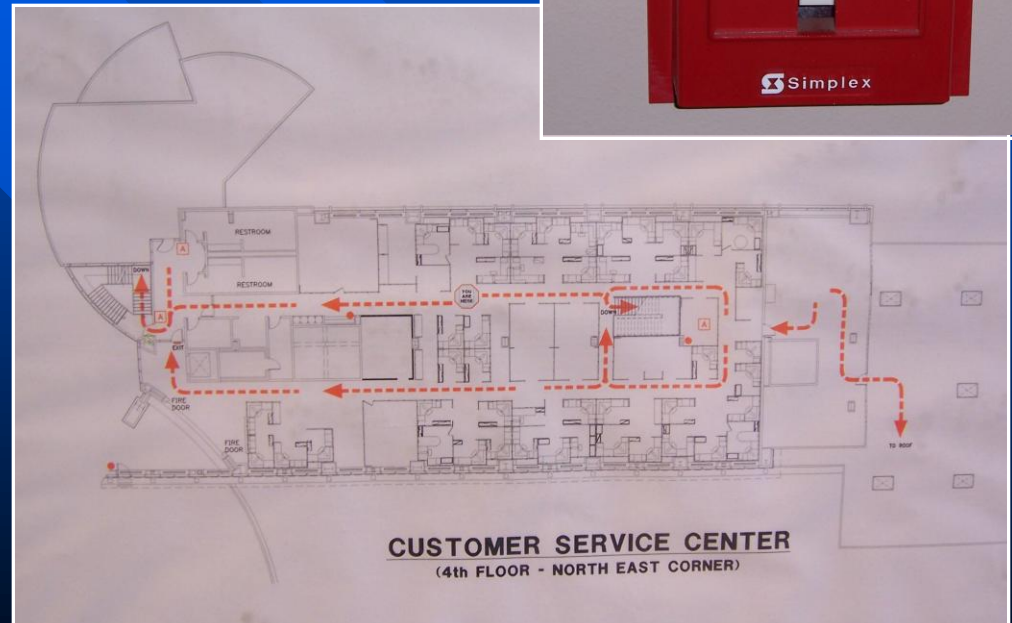


Evacuations Routes (Plan Ahead)

Evacuations:

- Become familiar with your building
- Know an alternative Exit

Call ext.
5911



Know Where Your Assembly Area Is

Evacuations:

- Remain calm
- Turn off equipment (if feasible)
- Use the nearest Exit
- Do NOT leave the Assembly Area



Lockout / Tagout - LOTO

(The Control of Hazardous Energy)

Types:

- Electrical
- Chemical
- Hydraulic
- Pneumatic
- Thermal
- Mechanical



Requires Annual
Training &
Procedure Reviews

Ergonomics

(Prevention of Repetitive Motion Injuries)

Includes:

- Workstation Evaluations
- Ergonomic Training
- “Safety in Motion”

Those in office environments will be contacted by EH&S to set up an evaluation of your work station.



Laura Vo ext. 7104

Hazard Communication

(Employee Right-to-Know)

Includes:

- Formal training
- Chemical labels
- MSDS sheets
- Chemical storage

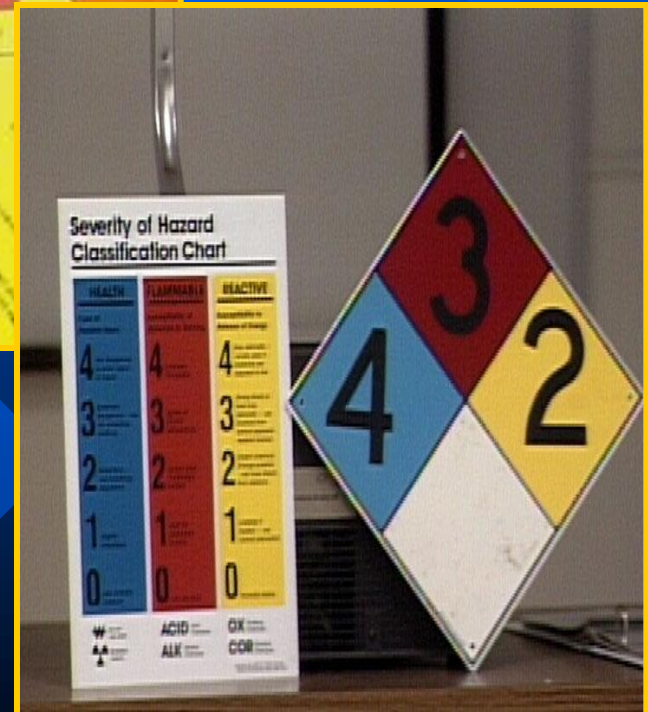


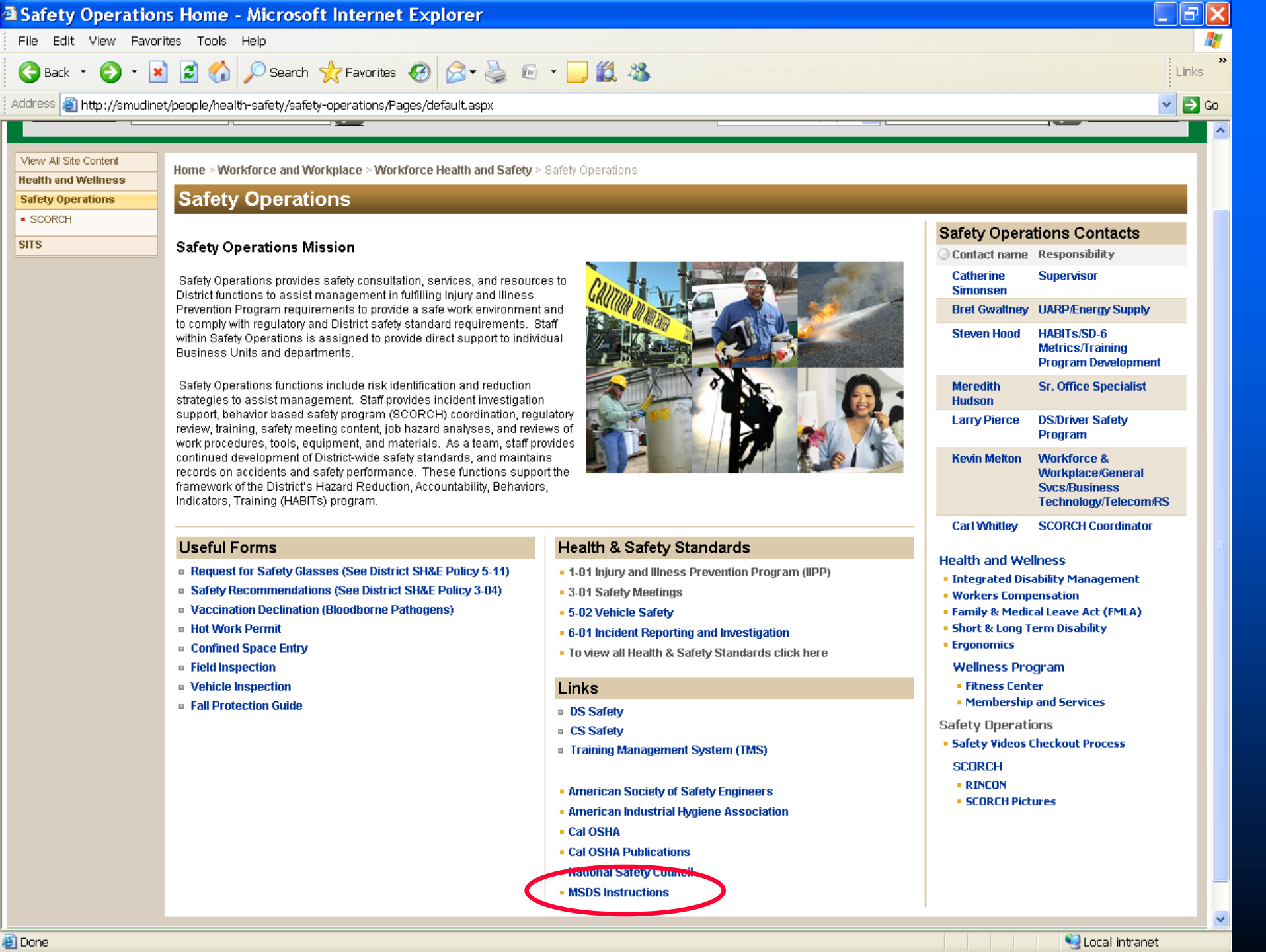
“Dolphin” On-line
MSDS

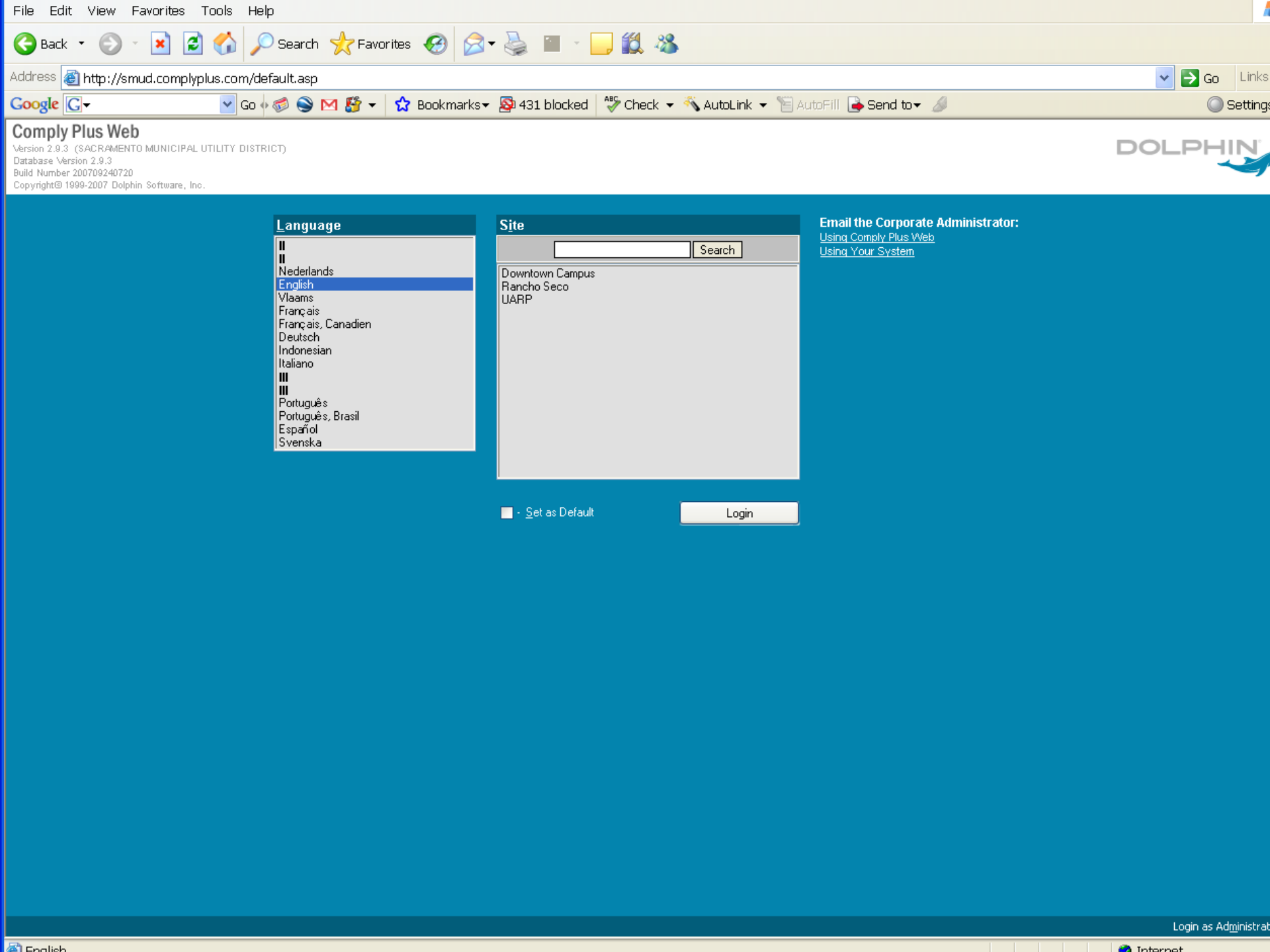
<http://smud.complyplus.com>

or

1 (877) 279-0441
for Fax version







Language

- II
- II
- Nederlands
- English**
- Vlaams
- Français
- Français, Canadien
- Deutsch
- Indonesian
- Italiano
- III
- III
- Português
- Português, Brasil
- Español
- Svenska

Site

Search

Downtown Campus
Rancho Seco
UARP

☐ Set as Default

Login

Email the Corporate Administrator:
[Using Comply Plus Web](#)
[Using Your System](#)

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Reload Print Mail W PDF Yellow Tag People

Address http://smud.complyplus.com/search/default.asp

Google orlando, fl Go Bookmarks 718 blocked Check AutoLink AutoFill Send to orlando fl



MSDS Search Center [Search Templates](#) [Universal Product Search](#)
 [Assign Product Categories](#) [Browse Products at a Location](#)

[Dolphin Online](#)

Common Name:

Manufacturer:

Full Text:

Ingredient Name:

Ingredient CAS:

File Name:

Internal ID:

Revision Date: On

MSDS Language:

MSDS Format:

Sort By:

Locations

☒ Match ALL supplied criteria
☐ Match ANY supplied criteria
☐ Match Criteria Exactly

Search **Clear**

Search Options

Items Per Page

WD-40
WD-40 AEROSOL

File Name: **003208** Revision Date: **5/16/2007**
Internal ID: Language: **English**
Internal ID: Format: **No Format Specified**


This sheet superceded another on **2/25/2008**

MSDS Contents

- 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION
- 2 HAZARDS IDENTIFICATION
- 3 COMPOSITION/INFORMATION ON INGREDIENTS
- 4 FIRST AID MEASURES
- 5 FIRE FIGHTING MEASURES
- 6 ACCIDENTAL RELEASE MEASURES
- 7 HANDLING AND STORAGE
- 8 EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9 PHYSICAL AND CHEMICAL PROPERTIES
- 10 STABILITY AND REACTIVITY
- 11 TOXICOLOGICAL INFORMATION
- 12 ECOLOGICAL INFORMATION
- 13 DISPOSAL CONSIDERATIONS
- 14 TRANSPORTATION INFORMATION
- 15 REGULATORY INFORMATION
- 16 OTHER INFORMATION

Additional Details

NFPA



HMIS

Health	1
Flammability	4
Reactivity	0

HMIS III

Health	1
Flammability	4
Physical Hazard	

PPE

[More...](#)

- ☒ Primary Information
- ☒ Ingredients (7)
- ☒ Locations (3)
- ☒ Attachments
- ☒ Synonyms
- ☒ Lot Inventory
- ☒ Conversion Factors
- ☒ Inventory Limits
- ☒ Hazards
- ☒ User-Defined
- ☒ Exposure Limits
- ☒ Sites (3)
- ☒ Parts
- ☒ Transaction History
- ☒ Requests And Approvals

MSDS ToolBar

Print MSDS Labeling E-mail Service History

Hazardous Materials

Physical Hazards:

- Flammable
- Combustible
- Corrosives
- Explosive
- Reactive
- Oxidizers
- Compressed Gasses

Health Hazards:

- Irritant
- Corrosives
- Toxic
- Poison
- Sensitizer
- Carcinogens
- Target Organs















Common Chemicals labeling systems...

NFPA

(0-4 scale)

HMIS

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM			
HAZARD INDEX			
4 = SEVERE HAZARD 3 = SERIOUS HAZARD 2 = MODERATE HAZARD 1 = SLIGHT HAZARD 0 = MINIMAL HAZARD	An asterisk(*) or other designation corresponds to additional information on a data sheet or separate chronic effects notification		
Additional Information			
PERSONAL PROTECTION EQUIPMENT			
A  Safety Glasses	n  Splash Goggles	o  Face Shield & Eye Protection	p  Gloves
q  Boots	r  Synthetic Apron	s  Full Suit	t  Dust Respirator
u  Vapor Respirator	w  Dust & Vapor Respirator	y  Full Face Respirator	z  Airline Hood or Mask
Consult your supervisor or S.O.P. for "SPECIAL" handling directions			

Name of Material

3

HEALTH

2

FLAMMABILITY

0

REACTIVITY

B

PROTECTIVE EQUIPMENT

Safety Glasses & Gloves

Common Chemicals labeling systems...

Pictograms



Danger (high)
Warning (medium)
Caution (low)

MSDS Review

What If...

Eye Wash & Showers:

- 1) 15 minutes
- 2) Keep the Eyes Open
- 3) Get Further Medical Help

Call ext.
5911



HazCom Summary

- **Know your chemicals** – *you have a legal right to MSDS & the written Hazard Communication Program*

Have the right to not be discriminated for exercising your rights under this regulation.

- **Read labels** – *you might be surprised at what you find*



- **Dispose of chemicals properly** *if you don't know, ask!*
“only rain down the drain”

Protecting the Environment

- Trash (paper products, wood, plastics, garbage etc.)
- Universal Waste (batteries, aerosol cans, lamps, and any mercury containing product)
- Hazardous Waste (transformer oils, treated wood, grease & oils etc.)



Personal Protective Equipment (PPE)

Includes:

- Safety Glasses
- Hard Hats
- Gloves
- Respirators



*“ the district provides it –
you need to use it ”*

Report All Injuries & Accidents



Always report any work-related injury or vehicle accident to your supervisor *immediately!!!*
(including those in your personal vehicle)



All employees have the right to view their exposure and medical records

Medical Services (59th Street Yard)
732-5243

MERT

(Medical Emergency Response Team)



Call ext.
5911

Defensive Driving

(Preventable Vehicle Accidents - PVA)

Includes:

- Smith Program
- Bumper Stickers
- EVOC (Sheriff)



2008

- Change to **MVA** (Motor Vehicle Accidents)

SMUDInet - SAP NetWeaver Portal - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Links

Address http://intranet.smud.org/ir/j/portal Go

SMUD

Welcome Steven Hood

District My Workplace Help

District Phone Book >> First Last Lookup

Home Newsroom Forms and Requests Reports Planning and Budget Guidelines and Procedures Processes Site Map SMUD.org

SMUDInet History Back Forward

Select Work Group

Budget and Planning

Corporate Directory

Employee Resources

Getting Around

Safety and Security

Strategic Direction

Tools for the Job

Helping Customers

District Poll

Have you fed any spare change into the Combined Charities piggy banks?

No, I haven't seen one yet.

No, my kids grab all my change.

Absolutely! It would be piggyish not to.

Yes, it's an easy way to donate to charity.

Not yet, but I'll get around to it.

Vote Results

View past results

ENN ONLINE



If your vehicle scrapes or strikes one of the eight-foot tall, yellow-and-black warning signs, don't keep driving. Stop and call Security. (Photo by Ted Alvarez, Facilities Management)

Light Rail undercrossing: Be cautious

(Aug. 13, 2009) Once again, a District employee has hit the warning sign at the entrance to the Light Rail undercrossing but continued driving. If the vehicle had hit the undercrossing, the potential financial risk to the District would be substantial. [Click here to read more.](#)

SMUD to wring savings from bond deals

(Aug. 13, 2009) In a move projected to save the District \$8.9 million over the next 12 years, the Treasury group is refinancing a portion of SMUD's long-term debt to take advantage of lower interest rates. [Read the story.](#)

CLICK TO PLAY VIDEO

Top Stories

'Electricity prices,' and other industry news, Aug. 13

Feed the pigs to support Combined Charities

Board delays new MED rate until Jan. 1

Fuel-cell vehicle project winding down

Articles Archive

ENGAGEMENT SURVEY PARTICIPATION

63%

Have you taken the engagement survey?

Featured Links

Habitat for Humanity

Compact with the Customer

Online Events Registration

Employee Recognition

Smith Driver Training

Today's Stats

Load: 1223 MW

Temp: 65 °

Weather

Calendar

Today

6:00a - Slo-Mo Strength Training

8/15/2009

11:00a - SMUD Annual Picnic at Rancho Seco Park

8/17/2009

9:30a - EDM Tips, Techniques & Demo

8/18/2009

12:00p - Tobacco Cessation (5th of six-class series)

5:00p - Policy Committee Meeting

8/19/2009

11:30a - Two-Part Cholesterol Management Class

5:00p - Strategic Planning Committee

8/20/2009

As of July 1, 2008



District Policy

No Cell Phone use while driving District vehicles

District's Commitment to Safety

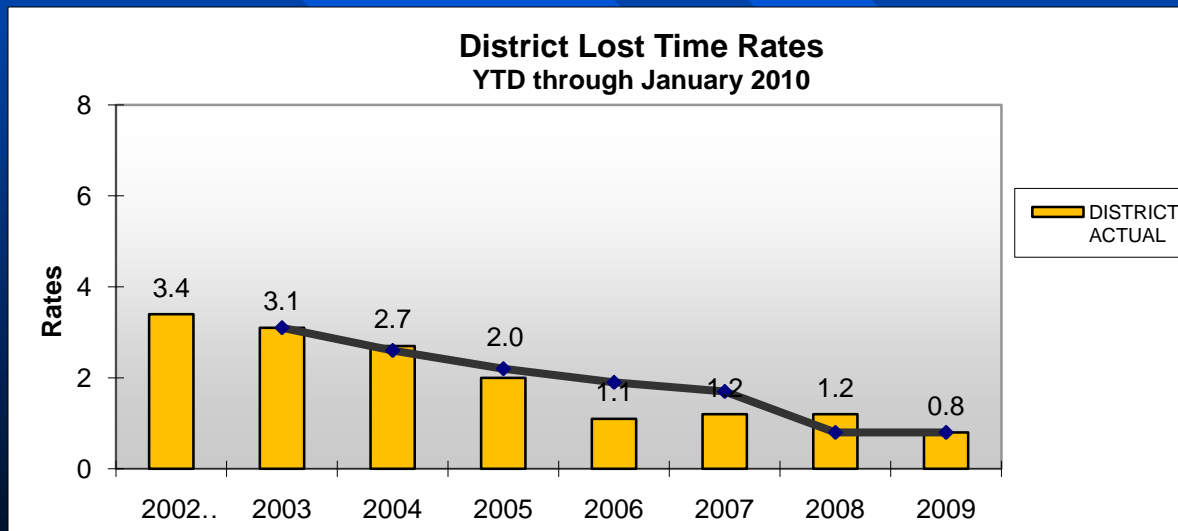
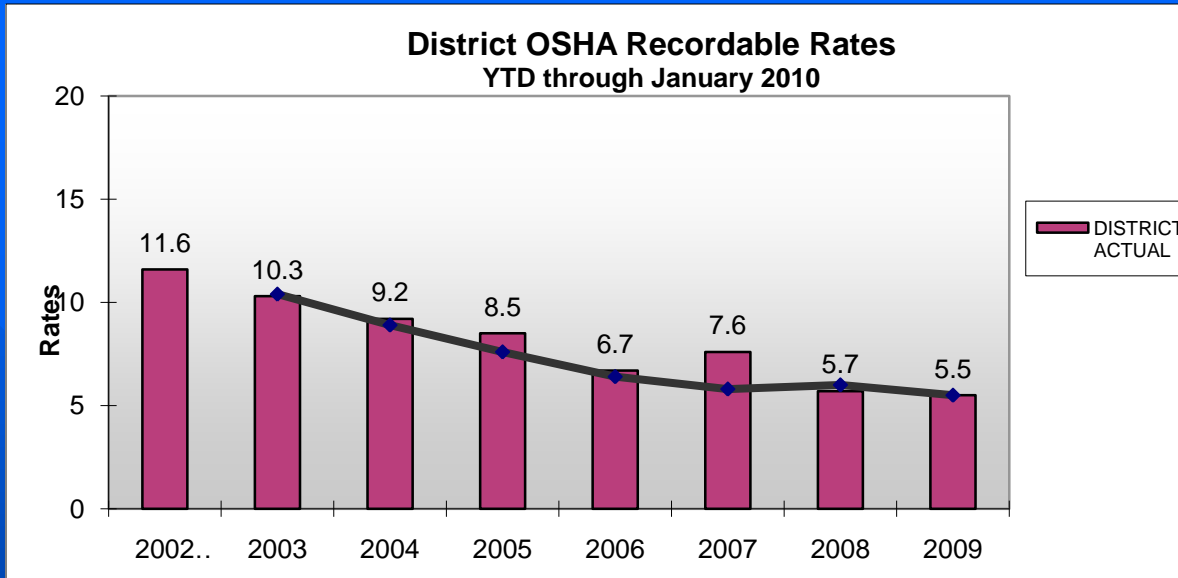
Strategic Directive SD-6 *(NEW 2008-2013)*

Safety – Creating a safe environment for employees and customers is a core value of the District.

The District is committed to meeting all applicable laws and regulations, and through continuous safety improvement to be a recognized leader in safety. Therefore, the Board establishes a target to reduce **2006** District incident rates **40% by 2013**.

Previous SD-6 was a 50% reduction of 2002 rates in 5 years

District's Incident Data



District's Incident Data

Feb. 2010

	2006 ACTUALS Baseline	2008 Actual /LIMIT	2009 Actual/LIMIT	2010 Actual/LIMIT
DISTRICT				
RECORDABLE	136	113 /123	105 / 112	6/ 104
LOST TIME	22	24 / 17	15 / 16	0 /14
MVA'S	78	37 / 71	32 / 66	3 / 60



IIPP

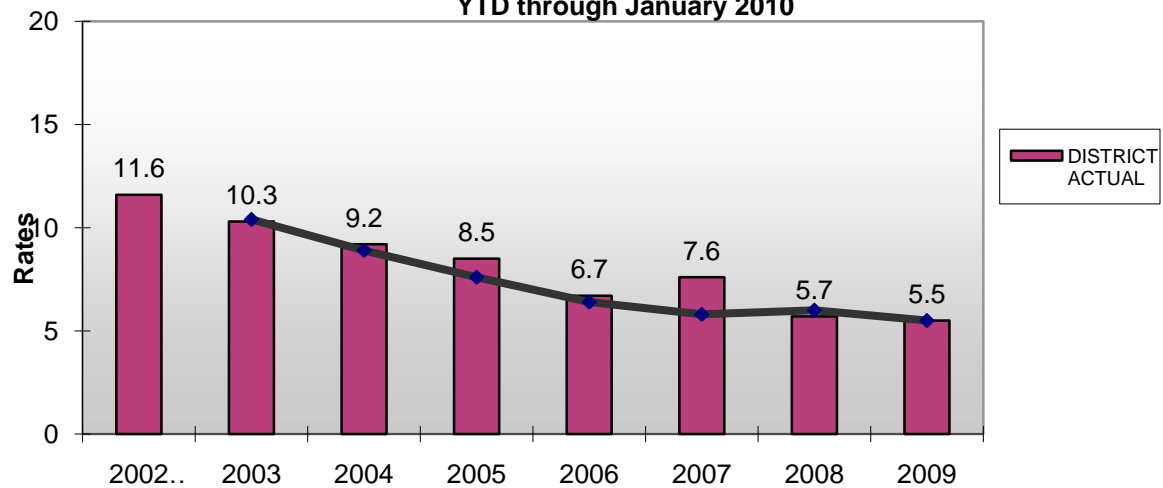
(Managing Safety in the Work Place)

Chemicals	Electrical	SCORCH	Investigations
Training	Noise	Lockout	Confined Space
STOP	Inspections	Labels	Fall Protection
Flame Resistance	Safety Mtg.	Ergonomics	Bulletins
Emergency Actions	ENN	SITS	Procedures
Universal Waste	Respirators	PVA	Electrical Arc
Management Leadership		MVA	MSDS on-line
Defensive Driving		PPE	Heat Illness
Preferred Work Methods			

Have a Great Day & Be Safe



District OSHA Recordable Rates
YTD through January 2010



District Lost Time Rates
YTD through January 2010

