

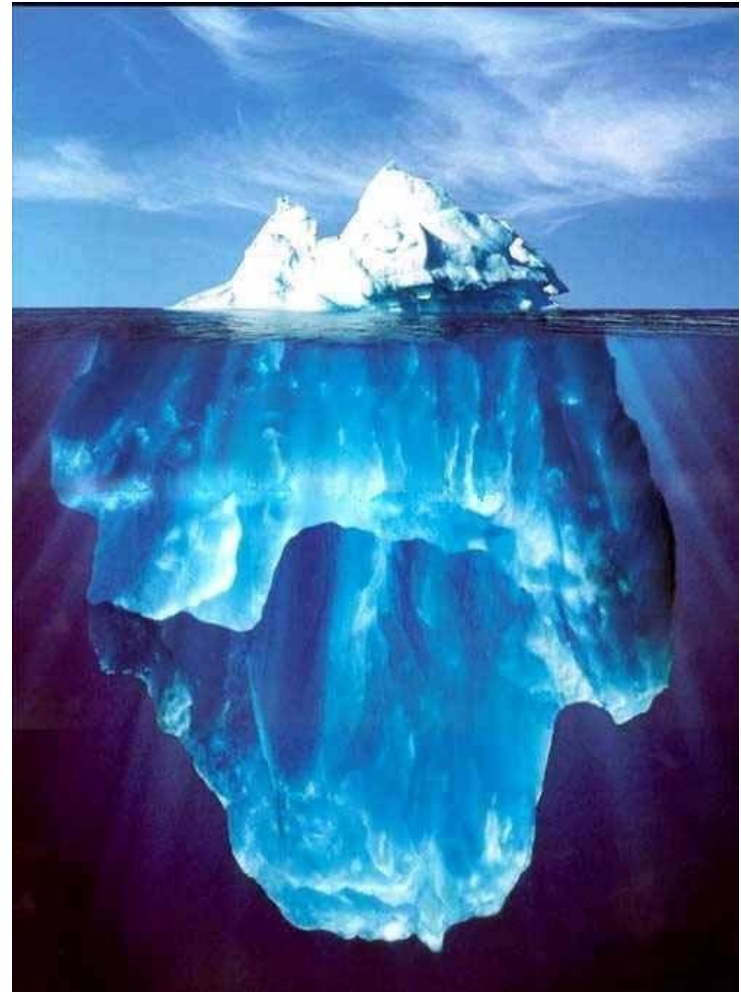


Emergency Response, Business Continuity and Disaster Recovery at UCAR

Presented by Stephen Sadler
Director, Safety and Site Services

Today's Topics

- What is UCAR
- Who is UCAR
- What are our issues
- What is our approach



- BS
Microbiology/chemistry
- MS Industrial
Hygiene/statistics
- Health, Environment and
Safety for 30 years
- Worked for Regulatory
agencies 3 years
- Built Bombs at Rocky
Flats for 9 years
- UCAR/ NCAR:
 - Safety Director
 - Event Services
 - Logistic Operations
 - Transportation/Shuttles
 - Workers Compensation
 - Security
 - Reception/Front Desk/Bank
 - Business Continuity

Getting to Know Today's Speaker



**Business Continuity Director (Left)
and Trainee (Right), Brazil 1998**

Getting to Know UCAR

- UCAR is private, non profit, 501 c 3 corporation
- 1400 people studying the atmosphere
- 4 remote campus locations in Boulder Area
- Remote locations in Washington DC and Hawaii
- Multiple Field Campaigns around the world



Who is UCAR?

- Eclectic group of highly independent, bright, energetic, motivated scientists, engineers, technicians and support staff
- Science is our “customer”
- Highly interactive, mobile and fluid
- Modeled after the “university” system
- Open Campus
- Public Access-Mesa Lab



Emergency Response, Disaster Recovery Issues and Concerns

- Isolated nature of the Mesa Lab
- Public access to Mesa Lab
- High visibility of Mesa Lab as a government facility
- Mobile employees/Head Count
- Aircraft operations
- Field projects



UCAR Emergency Response

- Install backup power



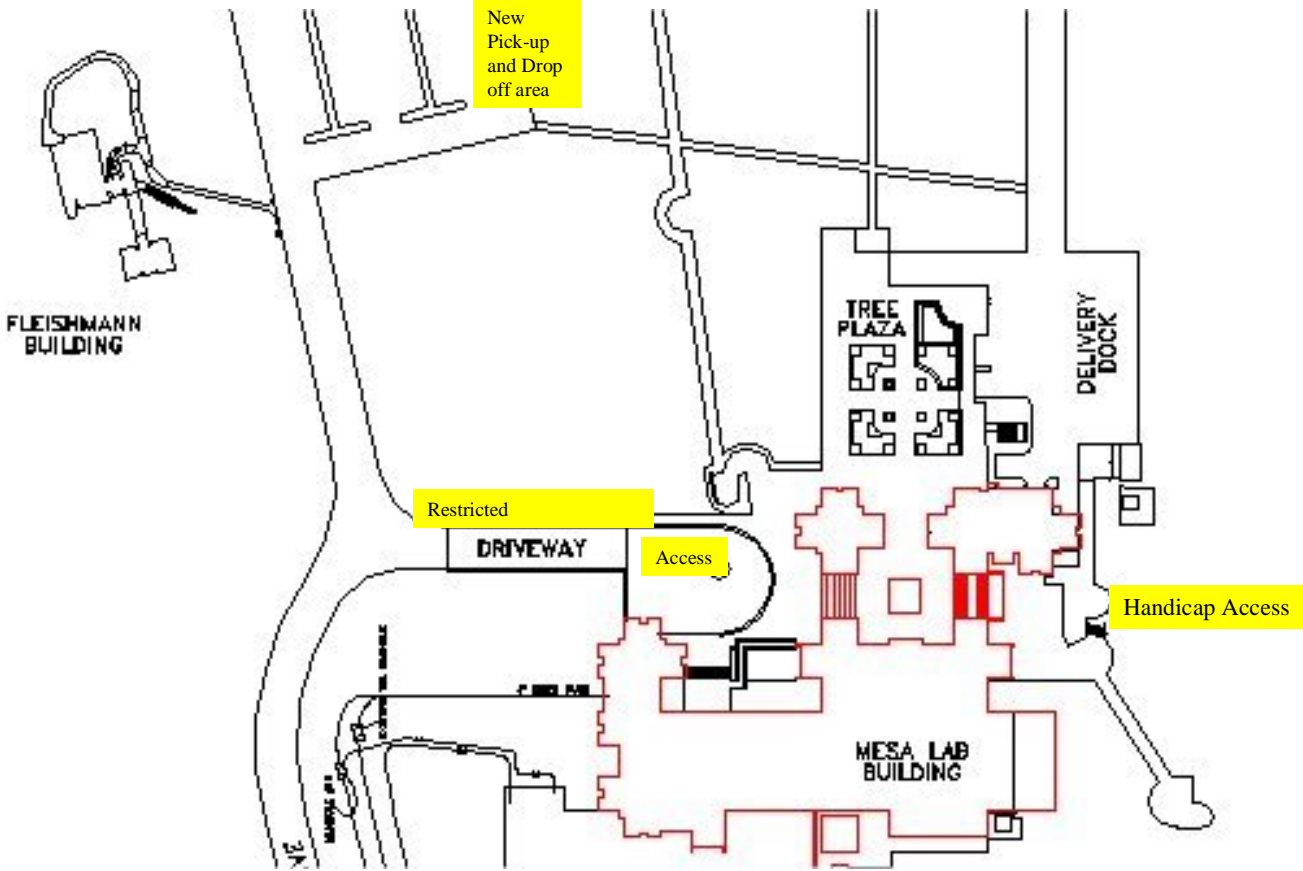
Curtailed Public Access if Necessary (3 times since 2000)



These are generic Security measures that may be needed in times of national or local emergencies. They generally apply to high profile UCAR facilities (ML,FL,CG)... but may be amended to reflect specific location needs and concerns. They do not apply to RAF operations which are subject to other FAA dictated security measures. All questions and concerns should be directed to Steve Sadler, UCAR Security Director, x-8550, sadler@ucar.edu



High Visibility Target: Try not to become “Target of Opportunity.”



Mesa Laboratory Site Plan

When all else fails...



Accounting for employees is difficult in the UCAR culture

- Established/practiced evacuation procedures facilitated by safety committee
- Try and meet at pre-determined locations
- Restrict from dangerous travel, track while on travel
- Divisional response teams to locate “missing” personnel on travel



When all else fails...go home and wait for instructions

- No real “time sensitive” business issues so employees can go home
- Go home and wait
- Call in emergency information line, public broadcast TV and radio
- Post voice mail messages on all 1400 phones
- Remotely updated emergency Web site
- Detailed Business Continuity plans with all important names, numbers



When all else fails...go home and wait for instructions

- Rely heavily on local, national officials for guidance
- We have first aid teams but prefer to let professionals handle emergencies
- We do not have fire brigades, haz mat teams etc.



Aircraft Operations Have Their Own Emergency Response Plan

- Notification of authorities
- Notification of next of kin

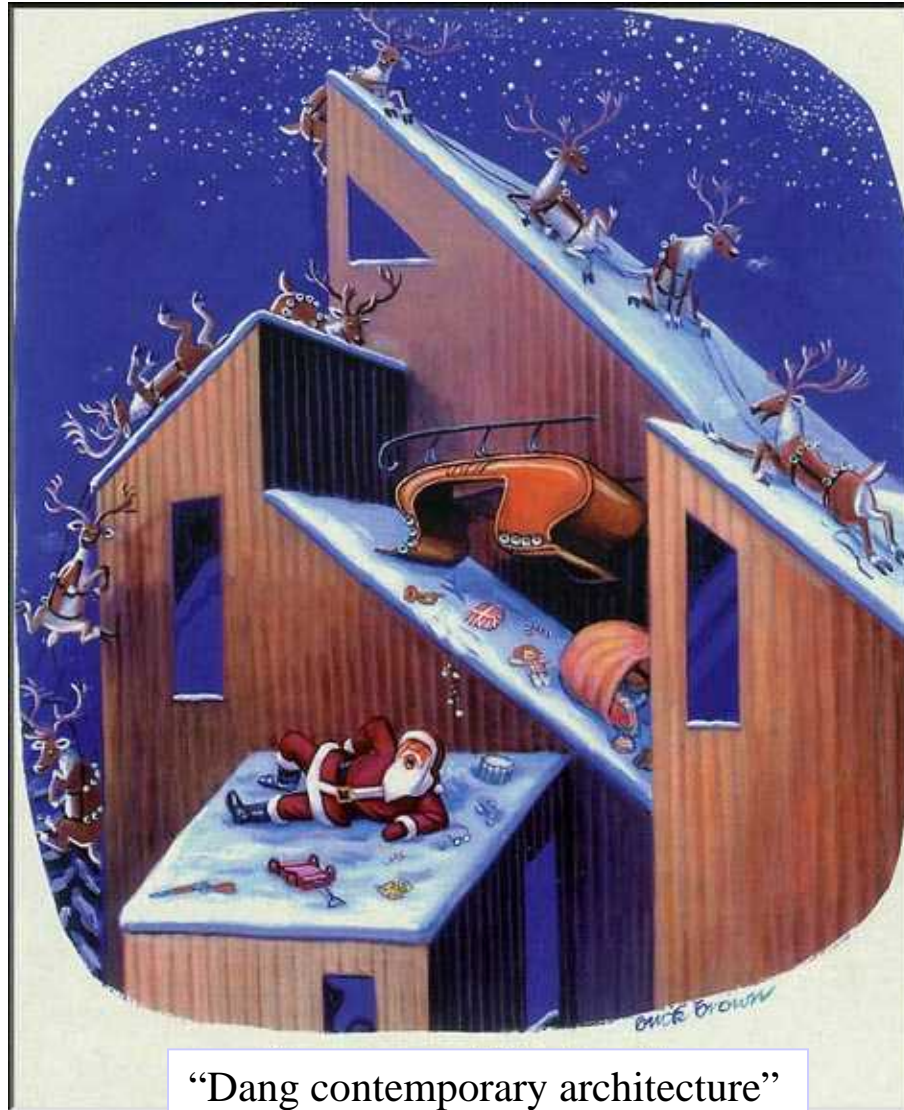


Field Projects Require Comprehensive Review by Health, Environment and Safety Services

- Job Safety Analysis
- Medical Review
- Emergency Evacuations
- Emergency Support



Questions, comments???



“Dang contemporary architecture”