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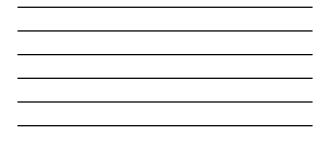


### Life Safety Considerations...

- Understand the Situation
   -How involved is the fire?
   -People Inside?
- Do you or others run in?
- Evacuation Protocol In Place?
- PPE? Location?
- Training?
- Hero or next victim?

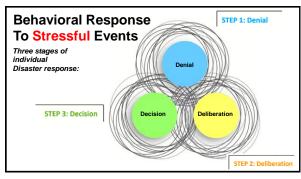
Generally, its best to let the professionals do their work and stay out of the way while the building is burning or unsafe!

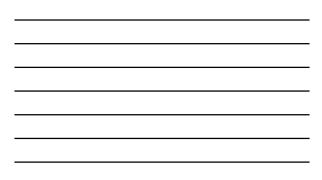


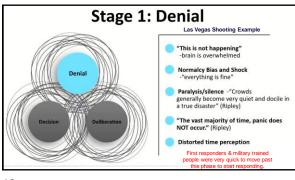


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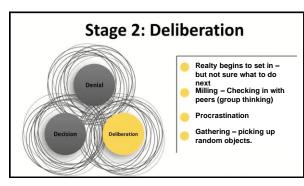
The Key For Success Is Not Being Fearful, It's Being Prepared To React In The Right Way



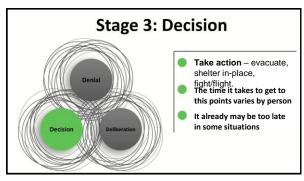
















### Who are all these people?

How do you handle them...

- News Media
- Public Adjusters



- Salvage Companies
- On-Lookers



#### Have Your Emergency Call List Ready....

Meet with your vendors **BEFORE** a disaster strikes!!! Perfect time for negotiation.

- Plumbers
- Roofers
- Electricians
- Elevator contractor
- HVAC contractor
- Security services
- Electronic security contractor
- Fire sprinkler contractor
- BluSky Restoration...











### **Communications**

- Agree on <u>each</u> step -Verbal, email, meetings
- Confirm
- -Recap / Reconfirm • How often to
- communicate?
  - -Balance knowledge with productivity







- Investigation mandatory
- All aspects slow down - Do you have a plan in place to work with your tenants during this process? - Do you need 1 person or a
  - team.
- Body removed prior to building release

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### **Fire Investigators**

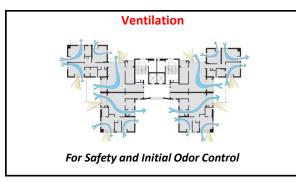


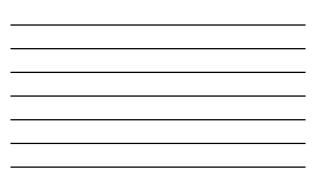
- AKA "Cause and Origin" Investigators
- Both Public and Private
  - Public...investigation stops at accidental
  - Private...complete investigation
- Fire area to be left undisturbed until released by carrier or other interested parties or risk jeopardizing the investigation.











### **Air Movers**

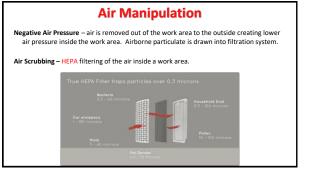
• Create high volume air flow - Bring in fresh air

- Increase the rate of evaporation
- Retards the growth of mold and mildew



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#### Post Fire: Mitigation is the goal!

- Stabilize the building!
  - Minimize Secondary Damage
  - Board Up To Secure Property
  - Security / Fencing Limit Access
  - Shoring Secure Unstable Areas
  - Roof Cover
  - Emergency Utilities If Needed
  - HazMat!!!

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Water Damage Clean Up



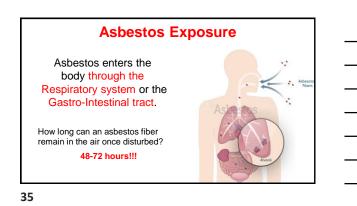


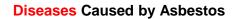




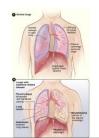








- Asbestosis
  - Clean up cells preoccupied with fighting asbestos intrusion then scar tissue and lung shrinkage.
- Mesothelioma
   Cancer: fibers damage
- meso tissue causing tumors
   Lung Cancer
- Colon Cancer



### SCAQMD- Rule 1403

- What is this?
- When is a Survey needed?
- Is there a certain year, after 2000 when an asbestos Survey is not required?
- A Point Count is recommended to confirm the material tests < 1 %</li>
- What constitutes an "Emergency" under *Rule 1403*?

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South Coast Air Quality Management District 2005 Optig Dov, Damai Br, CA 87:05-4178 (999) 394-2000 - synt agait are	
ADVISORY NOTICE	

Important Notice to all Facility Owners and Contractors Performing Removations or Demolitions Re: Asbestos

renoration and demolision activities. The purpose of the rule is to protect the health and safety of the public by huming datageness measures more than the rensoural and associated datarbance of Asbestos-Contaming Materials (ACM). The <u>current</u> version of the rule, as amended by the SCAQMD Governing Board on October 5, 2007, is includes requesternents for authors as unverying, stuffications, ACM

movia procedures and tune schedules, ACM handing and clean-up procedures, and the storage, disposit and handling requirements for resulting water materials all operators are also required to maintain seconds, including waste shipment croots, and must use appropriate warning labels, signs, and markings. Immore other thinsy, the current terminetenent of Rale 1401 include the following:

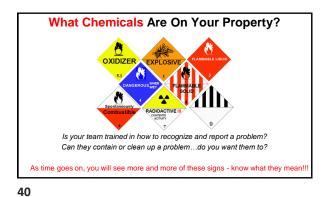
ONSITE SURVEY – A survey for the presence of ACM must be conducted and documented <u>option to commencement of ago</u> removation (encopt for singlenut, residential structures where less than 100 aquate feet of authorize area of ACM are removed or stripped) or <u>any</u> demultine (are encoption). > The unover must be conducted by a ChIOOSEA contribut immerche or as

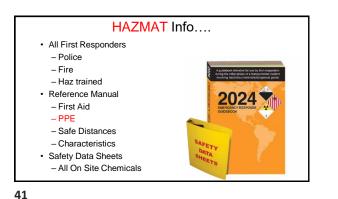
permitted by Cal/OSHA, an employee of the facility who possesses an unequired AHERA Building Inspector certificate from a Cal/OSHAapproved coarse. All unverys must be documented in writing. The survey report must identify all ACM that will be doctared datus; any part of the resolution

or demolition, must provide information regarding the condition of the ACM, specifically whether or not it is damaged or disturbed; and must make a determination of the friability of the ACM. The surveying impector

























The Key For Success Is Not Being Fearful, It's Being Prepared To React In The Right Way

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### Category 1 Identification of Water

**Clean Water** – That which is clean at the releasing source and does not pose a hazard if consumed by humans.

- May become progressively contaminated as it mixes with soils on or within floor coverings or building assemblies (walls, decks, subflooring).
- Time and temperature, which promote the growth and amplification of microorganisms in what can cause a Category 1 water loss to degrade.



### **Category 2 Identification of Water**

**Grey Water** – That which begins with some degree of contamination and could cause:

• <u>Sickness or discomfort if consumed by humans</u>. As with Category 1, water, time, and temperature can cause a Category 2 water loss to become progressively more contaminated.



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### **Category 3** Identification of Water

**Black Water –** That which is <u>highly contaminated</u> and could cause death or serious illness if consumed by humans.

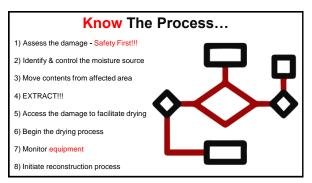


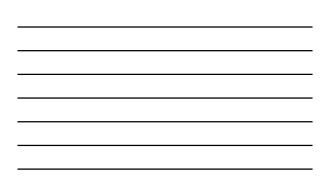
Examples could include (but not limited to): sewage, rising flood water, ground surface water flowing horizontally into a property.











#### Stop the Loss From Continuing

- If SAFE TO DO SO!!
- If leak, isolate and turn off If unable, find way to divert or minimize (water sock in lobby)
- Other Losses
  - Seek stabilization...stop the bleeding!
  - What can be done ASAP to reduce the impact of the loss!
  - <u>Seek the greater good!</u> (drains)



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### Control The Spread Of Water!!!

- As time goes by, water is absorbing into your building materials...
- Drywall, carpet & pad, ceiling tiles, and concrete are extremely porous. They act like a sponge.
- The longer you wait, the more money you'll pay!!!

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### **Control** the spread of water

- Determine most effective method of removing the water
  - Mopping
  - Drain diversion
  - Shop vacuum
  - Pumping
  - Extraction
- Extraction is 100's of times faster than dehumidification per job!



### Who Is This Person???

#### • SAFETY HAZARDS!

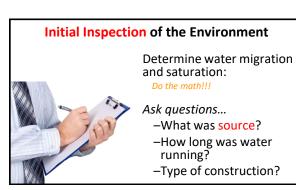
- Electrical
- Slip & Fall
- Collapse
- Cross Contamination

#### • Keep out!

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 Everyone who is not authorized to enter!!!







## **Does Your Building Have Environmental issues?**

- Asbestos
- Mold
- Lead
- Hazmat
- Biohazard
- Misc



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#### What Happens Next?

- Initially
  - Water seeks path of least resistance
- · As time goes by - Water absorbs into building materials and contents

- Humidity increases - Secondary damages



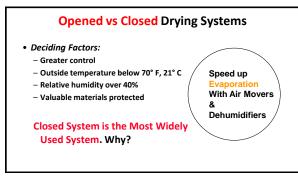


# Moisture Detection Equipment

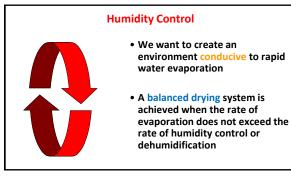












### **Air Movers**

- Create high volume air flow (approx. 1 unit per 15tt)
- Increase the rate of evaporation
- Retards the growth of mold and mildew



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### HEPA Air Scrubbers....

Recommended when using air movers to capture airborne particulate from the intense air circulation



#### Dehumidifiers

#### • Refrigerant type

- Will reduce moisture levels to 55 – 60 gpp
- Most commonly used due to cost
- Low Grain Refrigerants LGR

   Air entering unit is pre-cooled for more efficient drying

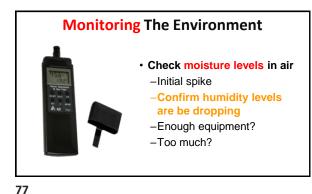
Desiccant Technology

 Moisture levels to 10 – 15 gpp
 Can operate down to 32° F

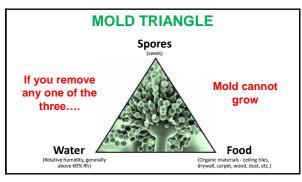
Moisture levels to 32 – 35 gpp















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#### Common Questions About Mold...

- How is mold initially detected?
   \* Mold is usually detected by its characteristic musty odor, discoloration, and visual inspections.
- What causes mold?
   \* in most cases a warm, damp area with poor ventilation and some type of nutrient.
- Can we simply paint over it?
   \* Sealing and painting a moldy area is only a temporary bandaid. It not a permanent solution.



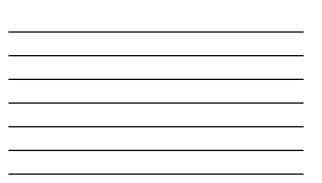


Restoration

Saving the involved items
Rough Cleaning

Interior/Exterior
Odor Control
Painting
Final Cleaning





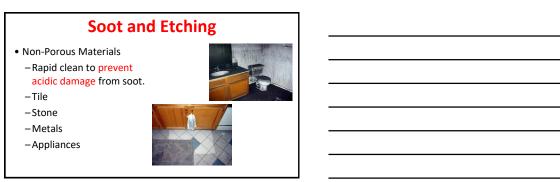
### What Type of Fire?

- Wood Based?
  - Dry soot residue
- Protein Based?
- Wet, greasy residue
- Petroleum Based?
- Chemical Based?

Symbols found on fire extinguishes	P	Í	1	1	1
	Water	Foam spray	ABC powder	Carbon dloxide	Wes chemica
	×	~	$\checkmark$	~	x
	x	x	$\checkmark$	×	x
contact contact	x	x	$\checkmark$	~	x
	X	x	x	x	~







### Soot and Textiles

It's soot from synthetic/petroleum based sources that have burned, clinging to each other like magnets creating chains of soot.

• Black Webs Visible?

What are they??? • Same Smoke/Soot penetrates upholstery, drapes, clothes and bedding

- Can they be cleaned? - Professionals recommended



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#### Source Removal

- Clean
- Seal
- Special Techniques Air scrubbing
  - Charcoal Filters Thermal-fogging
  - o Ozone
  - Ice blasting
  - o Chemicals

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#### Interior Simple Damage Repair

- Scrape or Remove any blistering or char
- Rough clean with Dry Sponge
- Wash down using appropriate chemical cleaner
- Seal and Prime with appropriate sealer
- Prep/finish or paint as needed What happenes if we paint before the walls are completely dry?



#### **Mechanical Systems**

#### HVAC

- Was system operating during the fire?
- Clean and seal ducts
- Test, clean, service units
- Electrical
  - Inspection
  - Testing
  - Soot vs Circuits
  - Heat vs Circuits

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#### **Personal Property**

- Electronics
- Do not "try it out"
  Food/Medications
  Dispose
- Valuables
- Restoration
- Stabilization
- Other
  - Other – Restore vs Replace
  - Total Loss Inventory









## Cross-train personnel for rapid response

- Utility shut offs Where are they Are they all marked?
- Sprinkler system shut offs?
- HVAC and Mechanical Systems
- Emergency lighting and power. How long will that power last?
- What about your generators? Run time, are the tanks full, extra fuel, when do
- Run time, are the tanks tull, extra tuel, when do you turn on/off, what will you plug in?
  Sump pumps do have them? Where are they?
- Hoses?

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### **Crisis Communications**

- Each group will have it's own interests and direction during an emergency
  - -Senior Management
  - -Employees
  - -External Agencies
  - -The Media
  - -Customers

What plan does your team have in place?



### Initial Steps Following A Fire Loss...

Safety First - ensure the safety of yourself, your family, and your pets. Remember to check in with loved ones.

- Seek support financial, housing or offices, food, water, emotion support. You are not alone!
- Contact your insurance company
- Document Everything!
- Medications call your doctor to refill any needed medications
- Utility Companies contact your utility companies. Inform them of the damage and consider temporarily stopping service
- Contact your restoration contractors. They will be in high demand.
- Stay out of the area until it's safe to reenter.





### Key Questions To Consider...

- It's important to understand the needs after a fire loss...
  - Immediate Needs? - Emergency Phase?
  - Reconstruction Phase?

What vendors are needed and do you have a pre-established relationships with them?

What happens to your tenants/residence after a fire? Are you set up to relocate them?

What exactly does your insurance policy cover?

How about upgrade coverages?

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#### Fire & Smoke Damage Tips...

After fire damage, it is natural to want to jump right in and clean the building and contents. Timely action can be a great help, but incorrect action can jeopardize or impede satisfactory restoration.

#### Do's...

- · Dry wipe faucets and other bright-work before cleaning.
- Blow off or brush-vacuum loose smoke particles from upholstery, draperies and carpeting
- · Open windows for ventilation if weather permits.
- Empty refrigerators and freezers if electricity is shut off. Prop doors open to allow air circulation.
- · Send a sample group of garments for cleaning and deodorization in order to
- observe the results.
- · Video record all your contents
- Know your policy what coverages do you have? What are the limits?

### Fire & Smoke Damage Tips...

#### Do Not...

- · Wipe or attempt to wash fire residues from walls, ceilings or other absorbent surfaces.
- · Use carpeting or upholstered furniture
- · Use food items, canned goods, or medicine exposed to heat.
- Turn on computers, TV's, stereos or electrical appliances until they have been cleaned and checked.
- Do not enter with out proper PPE potential toxic dump. \* weak flooring, nails, glass, fumes, collapse

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# Frequently Asked Questions...

- What groups can we reach out to for support?
- What groups can we reach out to for support?
   When call my insurance company, what should we have ready?
   What can I do to prevent further damage after a fire?
   Can fire damage impact our health?
   Can my belongings be saved after a fire?
   What do we do with burt contents?
   Can fire-damaged structures be fully repaired?
   Hark tens do with burt contents?

- How long does fire damage restoration take?
   How long does fire damage restoration?
   Can we stay in our offices during restoration?
- 10. What news any in our onces ourning resturation? 11. What cleaning methods are used in fire damage restoration? 12. Should I start cleaning the soot and smoke? 13. How do you get rid of smoke odor? 14. Why hire a professional restoration company?





### A Quick Tip...

After a fire, you can get a copy of the fire report. In most cases, a fire report is a public document. Ask for it at the fire department or fire marshal's office. The fire report may help you with information that your insurance company and other official offices may request.

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