

# Topanga Wildfire Santa Susana Field Laboratory

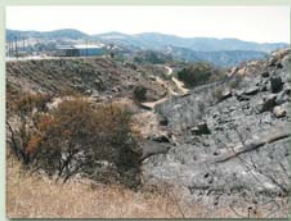
## What Happened at Santa Susana Field Laboratory?



- Personnel evacuated on Wednesday afternoon
- Emergency response personnel remained on-site
- 2000 acres of Santa Susana burned in the 24,000 acre Topanga wildfire
- Only ten of over 200 structures damaged



- Firefighting, paving and brush clearing saved remaining structures
- Hazardous and radioactive material storage areas remain safe and secure



- All utilities lost
- No structural damage in Area IV

## How Do We Know What Could Have Been Released During the Fire?

### Radiological Assessments in Area IV

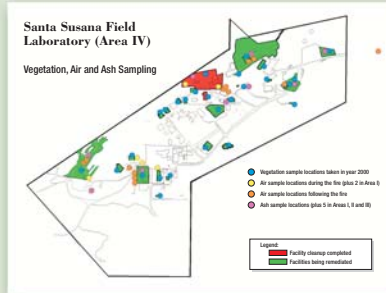
- In 2000 following the fire at Los Alamos National Lab in New Mexico, we sampled vegetation and found no evidence of radiological contaminant uptake
- Air samples collected before, during and after the Topanga Fire detected no airborne release of man-made radiological contaminants
- Ash samples detected no radiological contaminants above clean-up standards

### Hazardous Materials Assessments at Santa Susana

- About 150 pounds of Freon from an air conditioning unit was lost
- Groundwater treatment system pipelines were destroyed releasing trace amounts of TCE
- Small amounts of oil, grease and lubricants were in a burned building
- Extensive post-fire sampling was conducted and analysis is underway

#### Post-Fire Sampling on and off the site includes:

- Air for asbestos, metals and dioxins
- Ash for PAHs, metals and dioxins
- Ash, sediment and charred materials for chemicals



### Fires Naturally Release Chemicals Considered Hazardous

- Primarily particulate matter and carbon dioxide
- Ash may contain heavy metals, benzene, formaldehyde, dioxins, and other hazardous chemicals

## Aerial View of Area IV October, 2005



## Putting Santa Susana Back Into Operation

- Immediate post fire safety assessments
- Securing any hazards, such as downed electrical lines, broken lines, etc.
- All buildings inspected
- Utility damage assessment and plans for repair



- Restoration of surface water sampling locations



- Restoring telecommunications at Santa Susana

