



Lessons Learned: Berkeley Alert II

Valerie Quigley

Emergency Preparedness/Site Access

Lawrence Berkeley National Laboratory

Berkeley, California





$$\text{Chaos} = (\text{com} \times \text{co}) + (\text{mi} \times \text{n}) + (\text{ep} \times \text{dfi}) + \left(\frac{\text{pl}}{\text{pr}} \times \text{na} \right)$$

Where:

com = communications capability

co = complexity of operation

mi = media interest

n = number of media present

ep = external pressure

dfi = demand for information

pl = complexity of plans

pr = amount of practice

na = number of agencies involved



*“The twin pillars of Emergency Management are ...
... preparedness and improvisation.”*



Emergency Manager (the facilitator)

*“Although **Emergency Managers** are key players in a disaster situation, they are not “in charge”; rather, their responsibility is to ensure that someone is “in charge” – and that person has access to the resources, skills and knowledge necessary to manage the situation effectively.”*

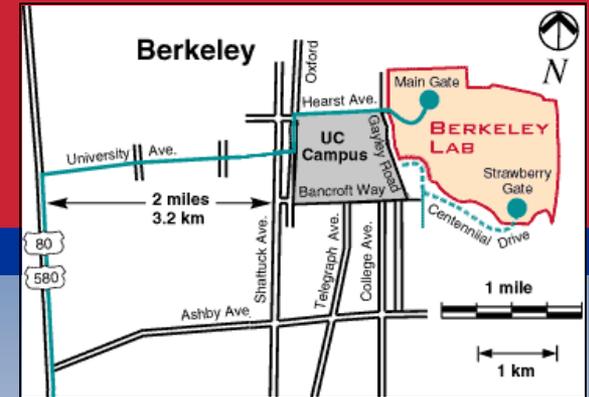


EOC Team (the experts)

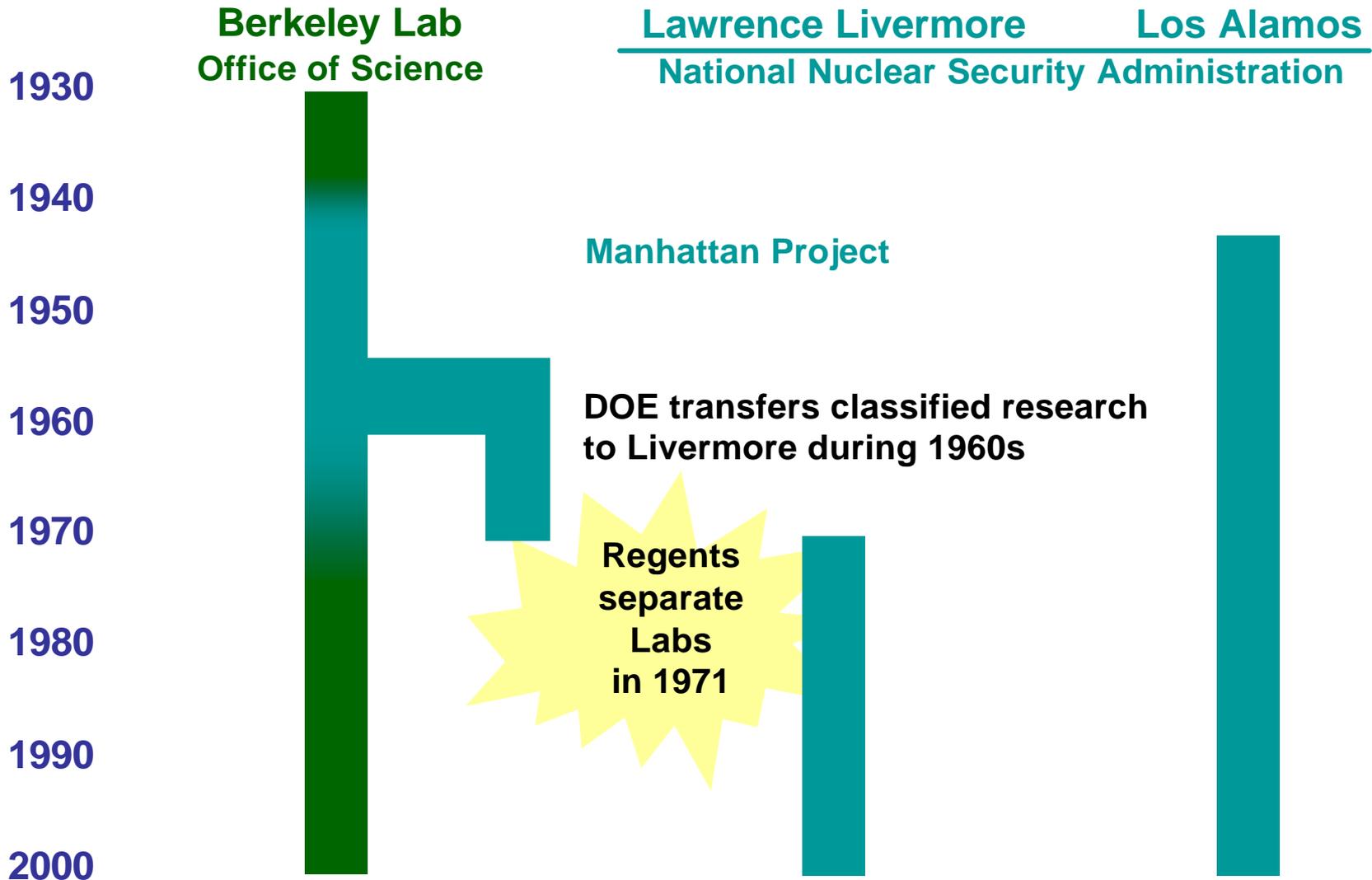
–“Coordinates the operation in support of the emergency response through implementation of the action plan.”



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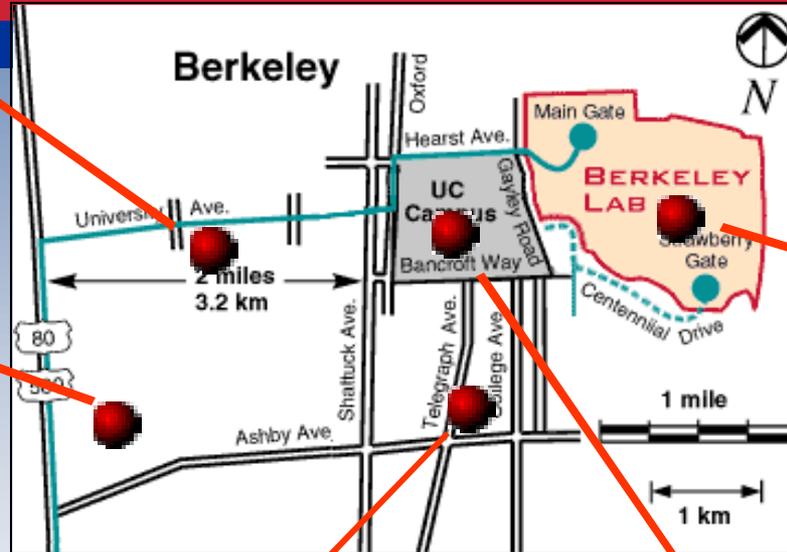


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Berkeley Alert Team

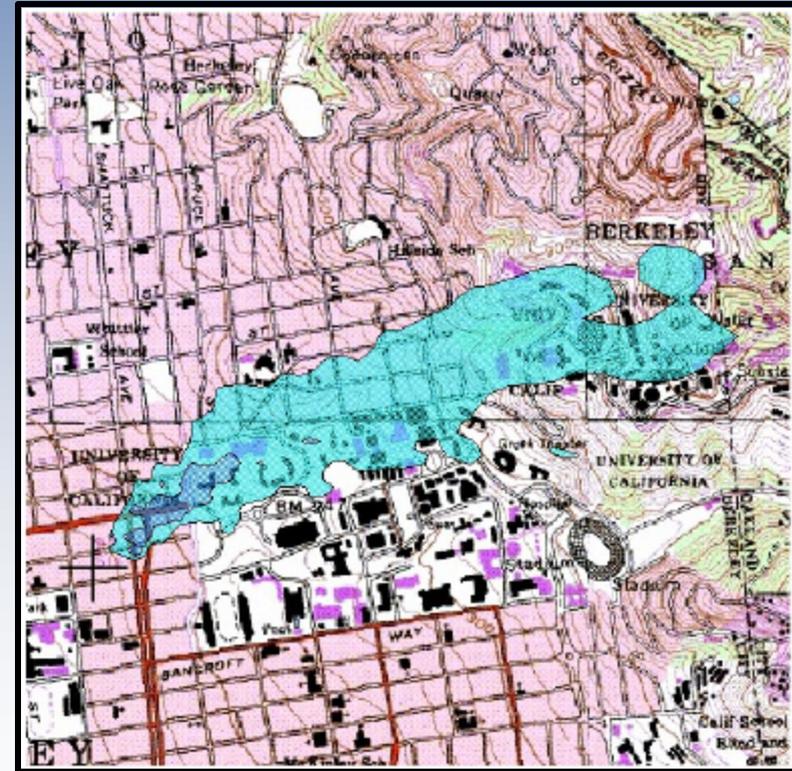


Berkeley Alert I: June 6, 2002



GOALS

1. Jointly open EOC's
2. Practice coordinated communication
3. Practice coordinated response
4. Familiarity





BAI: Group Lessons Learned

1. Communication

- **More phones and private numbers for EOC managers to talk directly to each other.**

2. Conflicting information

- **Evacuation vs ‘shelter-in-place’ directives.**

3. PIO collaboration

- **“... a major accomplishment ...” because they actually started talking to each other.**



BAI: LBNL Lessons Learned

Eight (8) CA's, which included:

- 1. Cell phone coverage in B48**
- 2. External PA system**
- 3. “Shelter-in-place” information**
- 4. Write a formal media plan**



- Bookmarks -

No Msgs

Berkeley Alert II

June 10, 2004



HOTSPOT: Total Eff. Dose Equiv. (TEDE)

Consequences and Actions

(rem) Area Extent	Population Casualties	Description
Red	>100 n/a n/a	Serious health effects. Evac. req. Respiratory protection/sheltering req.
Brown	>25 n/a n/a	Increased cancer risk. Evac. req. Respiratory protection/sheltering req.
Orange	>5.0 n/a n/a	Evac recommended. Shelter in place if no evacuation.

Note: Areas and counts in the table are cumulative.

Plume | **Map**

Center Lat:

Center Lon:

Scale (m/pixel):

Image Width:

Image Height:

Map Selection:

Berkeley Alert II: June 10, 2004



GOALS

1. Jointly open EOC's
2. Practice coordinated communication
3. Practice coordinated response
4. Familiarity
5. Simulate public dissemination of relevant information



Berkeley Alert II: June 10, 2004

- **Multiple exercise planning groups**
 - **Exercise Planning Group**
 - **Rad Group**
 - **Information Group**
- **Exercise begins four hours post event**
- **Deliberately slowed down (few messages)**
- **Agreement on a JIC!!!**
- **Press conference at 10:30**



Lessons Learned: BA II

Handouts and Questions