M6.0 South Napa, California Earthquake
(American Canyon, CA)
August 24 2014

OSHPD EOC
Time of Occurrence

- August 24, 2014
- at 3:20 a.m. Local time

Time stood still
Earthquake Stats

- Magnitude 6.0 - moment magnitude (Mw)
- Distance from American Canyon, CA 4 miles NW
- Napa, CA - 5 miles SSW
- Vallejo, CA - 9 miles NNW
- Santa Rosa, CA - 26 miles SE
- Depth 7.0 miles
Franklin Fault or West Napa Fault?

• Quake originally attributed to the Franklin Fault
  – Inactive for thousands of years.
• After inspecting the damage, CGS declared quake occurred on the West Napa Fault, not the Franklin Fault.
Shakemap

- Designates GAC Hospital
Shakemap - PGA

- Designates GAC Hospital
Hospital Response

• Queen of the Valley Medical Center reported 208 patients treated or admitted
  – 17 were admitted and one person in critical condition.
    • 13-year-old boy was taken in serious condition to UC Davis Medical Center.
  
• St. Helena Hospital reported treating eight people as of 6 p.m. Sunday
Hospital Response

- Triage tents set up to

Queen of the Valley Medical Center
OSHPD Response

• EOC Activated on 8/24/14 at 0408 hours
• EOC Personnel
  – EOC (Room 452)
    • Total = 13
  – Field Operations = 22
    • ACOs =7
    • DSE =7
    • FLSO = 3
    • SSE = 3
    • SArch =1
    • PSE =1

10 Teams @ Peak Assessment
Facilities under OSHPD jurisdiction

– 6 General Acute Care Hospital Facilities with 58 Buildings

<table>
<thead>
<tr>
<th>Hospital Name</th>
<th>Epicentral Dist(miles)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kaiser Foundation Hospital - Rehabilitation Center Vallejo</td>
<td>7.1</td>
</tr>
<tr>
<td>Sutter Solano Medical Center</td>
<td>7.2</td>
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<tr>
<td>Queen of the Valley Hospital - Napa</td>
<td>7.7</td>
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<tr>
<td>Sonoma Valley Hospital</td>
<td>9.4</td>
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<tr>
<td>North Bay Medical Center</td>
<td>15.1</td>
</tr>
<tr>
<td>St. Helena Hospital</td>
<td>24.3</td>
</tr>
</tbody>
</table>
• GAC Post EQ assessment Postings
  – Queen of the Valley
    • 3 Yellow Tags
      – Main Hospital – Building 01 -1957 (SPC1/NPC2)
        » 2 elevators out of service
        » Ceiling damage
        » Cracks in elevated floor slabs/beams
Queen of the Valley MC

- Building Corridor water leak
- Main Hospital 3rd floor
- Main hospital roof telephone rack severely out of plumb
- Boiler room crack in landing
Queen of the Valley MC

Main Hospital Crack in Precast Beam

Crack in partition wall below cracked beam
OSHPD Response

• GAC Post EQ assessment Postings
  – Queen of the Valley
  • 3 Yellow Tags
    – South Nursing Wing - Building 07 (SPC3/NPC2 3 Story bldg.)
      » Substantial damage with displacement of storefront entrance and window system
      » 1st floor Patient room #1114 multiple cracks in gypsum walls due to building drift.
      » 2nd floor ICU rooms #3, 4, 5, 6, 7, Rooms 16, ICU Nurse Managers Office and Respiratory therapy
        • Exterior walls deflected out approximately ½”
        • Stucco exterior walls pulled down from upper deck at the top of wall approximately ½”
South Nursing Wing Roof electrical panel damage

South Wing Nursing Tower ICU 2nd floor exterior wall (stucco on stud walls) leaning out ½”
Queen of the Valley MC

South Nursing Wing North Elevator
Tower Seismic Joint Damage

Damage with displacement of storefront entrance and window system
Queen of the Valley MC

Bridge link 3rd floor damage to ceiling
OSHPD Response

• Remainder of 5 GACs Green tagged
  – 38 Green Tags (55 Total)

• 1 General Acute Psychiatric
  – St. Helena Hospital Center For Behavioral Health
    • 1 Green Tag

• 16 SNFs
  – 16 Green Tags
• GAC Post EQ assessment Postings
  – Queen of the Valley
  • 3 Yellow Tags
    – North Acute Care Corridor – Building 18 (SPC5s/NPC NYA 3 Story bldg.)
      » Ceiling grid damaged and dropped on floor. Grid appeared to lack lateral bracing.
  • Remainder 17 buildings Green Tagged