

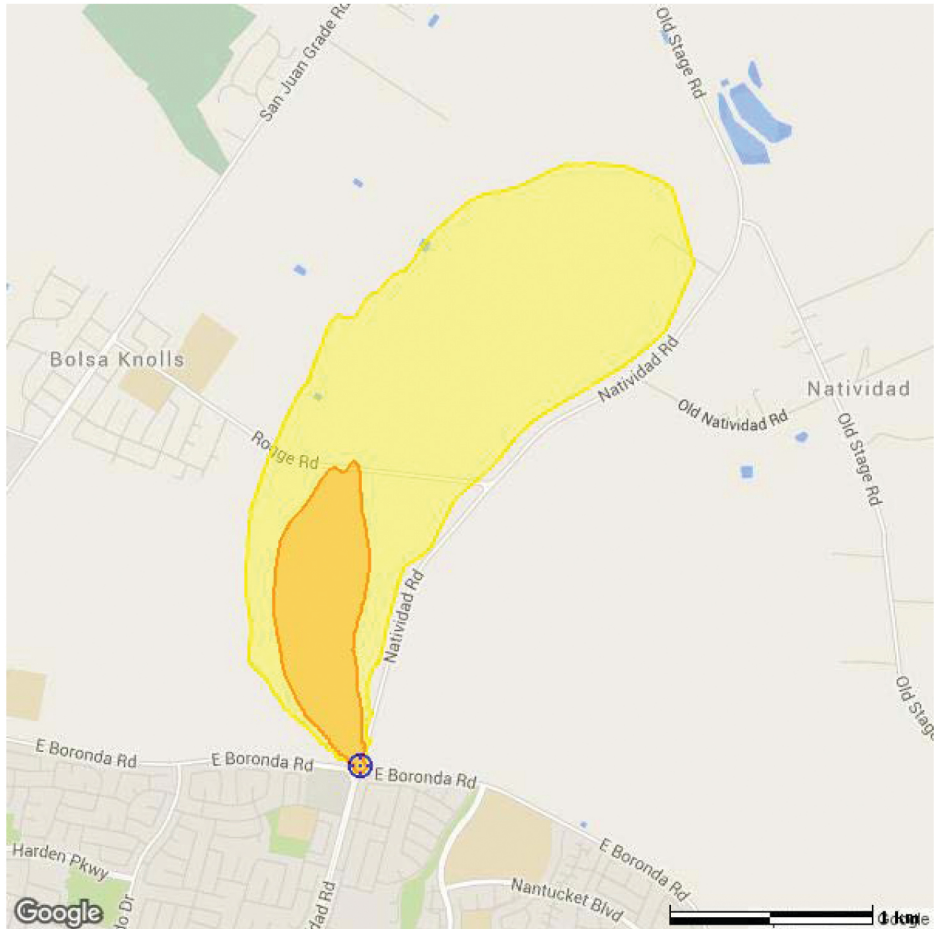


Automated Report: Testing  
(36.71578, -121.62342)  
RDD Release at 04 Oct 2015 19:30 UTC

# #1 Predicted Evacuation and Sheltering Areas

## EPA Early Phase PAG - Projected whole body dose, avoidable prior to release

### Applicable prior to release



- Evacuation/sheltering warranted, unless unusually hazardous circumstances exist (exceeds 5 rem {50 mSv} predicted for adult). Est. Population: 0 Area: 0.5 km<sup>2</sup> Extent: 1.5 km**
- Evacuation/sheltering normally initiated (1 to 5 rem {10 to 50 mSv} predicted for adult). Estimated Population: 20 Area: 3.0 km<sup>2</sup> Extent: 3.3 km**

**Notes:**

- Prompt evacuation and/or sheltering reduces radiation dose and cancer risk. Sheltering-in-place followed by informed evacuation may be most protective while the radioactive cloud is present.
- Evacuation can be 100% effective if completed before plume arrival.
- Sheltering in place should be preferred to evacuation when it provides equal or greater protection.
- Protective actions are only based on dose that can be avoided.

**Assumptions:**

- Areas shown are model predictions based on an estimated release of airborne radioactivity, but no measurements yet available.
- Prediction shows total dose over four days beginning at the start of the release (0 to 96 hrs).
- Assumes max dose to adult, no protective actions or mitigations. Includes dose due to external radiation from radioactive cloud and contamination on ground, plus inhalation of contamination in radioactive cloud and resuspended contaminated dust.