



# EPA

# FRONTIER FERTILIZER SUPERFUND SITE

United States Environmental Protection Agency • Region 9 • May 1998

## Additional Groundwater Monitoring Wells to be Installed in Mace Ranch Park

In the near future, the U.S. Environmental Protection Agency (EPA) will install additional groundwater monitoring wells at two locations in the Mace Ranch Park development as part of its ongoing groundwater investigation. Figure 1 illustrates the locations where this work will be conducted.

These activities are part of ongoing work by the EPA at the Frontier Fertilizer Superfund site, located along Second Street, south of Mace Ranch Park. Soil and groundwater at the facility are contaminated as a result of past pesticide storage and distribution activities. Contaminated groundwater has migrated beyond the site's northern boundary. The additional monitoring wells are necessary to better define the extent of groundwater contamination.

Well installation will occur over a one month period, beginning in late May. Monitoring well drilling is a safe procedure and will not pose a health risk to residents in the area. EPA will minimize disruptions to residents near the work, but a certain amount of minor traffic inconveniences and noise is inevitable. Wells will be drilled in streets. Once the wells are installed, they will be below the ground and appear similar to sewer manhole covers. They will not interfere with vehicle or foot traffic. The wells will appear to be close together from the ground surface, but will be drilled to different depths. Groundwater samples will be collected from the wells on a quarterly basis to ensure that contamination has not migrated

further north and ultimately to monitor the progress of cleanup.

The workers performing this work will be wearing white coveralls, a type of protective clothing. This is a

standard precautionary measure for worker safety.

EPA will limit working hours in residential areas to Monday through Friday, 8:00 AM to 6:00 PM.

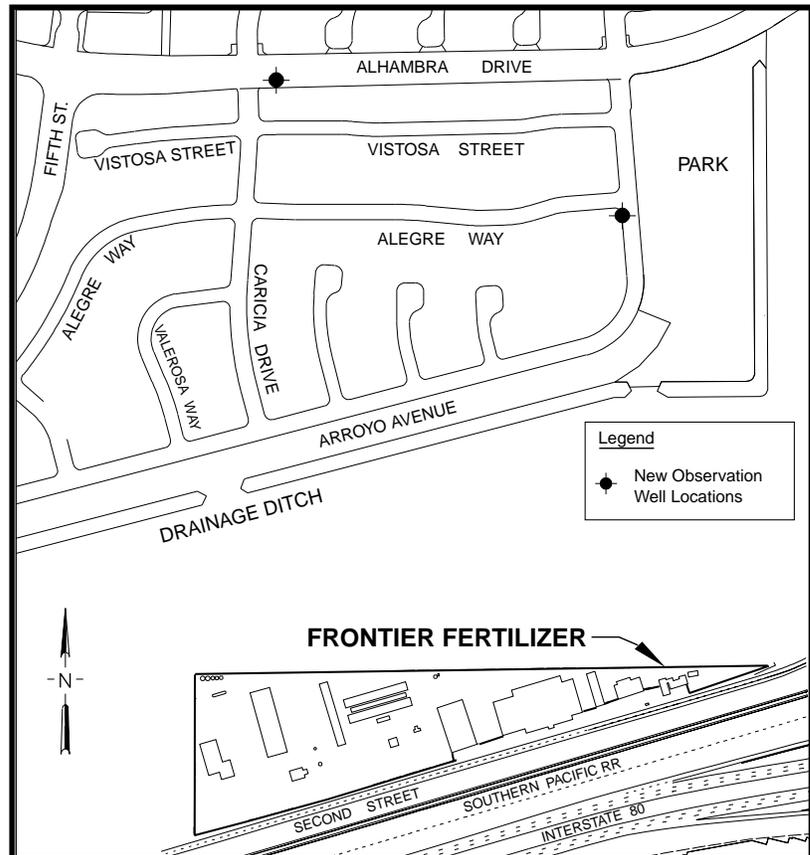


Figure 1: Location of New Observation Wells

## What Happens When Monitoring Wells are Drilled?

### 1. Drilling the Hole for the Well.

Depending on the type of well needed, a hole between 6 and 16 inches in diameter is drilled to the depth that will be studied.

**2. Construction.** A casing, a long vertical pipe, is inserted into the hole and grouted into place to construct the well. Sometimes more than one casing is needed in a single hole.

**3. Development.** The sand and mud is removed from the well.

**4. Completion.** Sampling hardware, a well cap, and a protective box or vault are installed around the top of the well, below the ground surface.

**5. Sampling.** Groundwater samples are collected from the well. Samples are again collected from the well on a quarterly basis.

## Questions and Concerns

*If you have any questions or concerns about the environmental sampling, would like to be added to our mailing list or would like a copy of our September 1997 Frontier Fertilizer Fact Sheet, please contact:*

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*Messages may be left for Carmen White by calling  
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