Monitoring Wells - Article 4

Groundwater Remediation Project

The District has been working closely this past year with Sacramento Groundwater Association (SGA) Contamination Committee in addressing regional groundwater contamination issues. The committee has developed four main objectives:

1. Raise awareness of the growing groundwater contamination to the regulators
2. Delineate and contain groundwater contamination plume
3. Expedite the cleanup efforts
4. Develop a plan for an advanced replacement water supply

On November 5 the committee met with Regional Water Quality Control Board (RWQCB), Environmental Protection Agencies (EPA), State Water Quality Control Board (SWQCB), Department of Toxic, (DTSC) and the Water Forum to address the above listed objectives.

The Regulatory Agencies agreed to meet with the SGA committee on a monthly basis to address the technical concerns of the water agencies. The Regulators also agreed to quarterly meetings to discuss policy decisions regarding the groundwater cleanup efforts.

In December Aerojet released the Draft Additional Response Actions Report Western Groundwater Operable Unit (WGOU-3) Aerojet General Superfund Site. The report includes the results of the data collected over this past year. The report presents the conceptual/preliminary remedial design for Areas 3 and 4 of the WGOU. The remedial action for WGOU addresses chemicals of concern in groundwater in the Carmichael Community.

The Unilateral Administrative Order requires Aerojet to construct groundwater extraction and treatment system to prevent chemicals of concern from migrating into CWD groundwater facilities and to restore the groundwater aquifer to cleanup levels defined in the Unilateral Administrative Order.

For the Carmichael Area, the preliminary plan that Aerojet has developed is to install 3 groundwater extraction wells, approximately 8,000 feet of pipeline and two treatment facilities. These facilities will extract 900 gallons per minute from the groundwater aquifer. The water extracted will travel through the pipelines to two different treatment facilities where chemicals of concern will be removed. Once the chemicals of concern are removed through the treatment process the water will either go into the storm drain system and ultimately to the American River or might be used as an irrigation source for the Ancil Hoffman Park.