

Monitoring Wells - Article 3

Tracking Contaminants (Volume 3)

This is the third update on the potential ground water contamination. Since the beginning of this year Aerojet has installed five multi-layer monitoring wells within the CWD service area and are locating a sixth well in the Ancil Hoffman Park Area. The monitoring wells allow Aerojet to collect samples from different elevations to help determine the extent of the groundwater contamination. During the last round of sampling perchlorate was detected at 4 parts per billion in the monitoring well that is located on Grant Avenue near Hollister.

Recently Aerojet completed its initial investigation of the Carmichael Area. Aerojet's investigation suggests that the extent of NDMA and perchlorate detected is relatively limited. Both constituents were reported in one monitoring well located on Grant Avenue near Hollister. The other Aerojet monitoring wells as well as Carmichael Water District's wells have had no detections of either NDMA or Perchlorate.

In February 2005, Aerojet will be submitting a plan to USEPA and the Regional Water Quality Control Board for remediation of the groundwater supplies within the Carmichael Area. The Aerojet remediation plan will include groundwater well extraction and treatment facilities as well as pipelines and a disposal method.

Since the notification of potential groundwater contamination CWD has been working on two fronts. The first front was to identify actions CWD will need to take to prevent district customers from consuming drinking water contaminated with NDMA and/or Perchlorate. The second front is to raise the level of concern with local, state and federal officials on the growing regional groundwater contamination issue and what effects it would have on future drinking water supplies.

In June CWD staff presented a bid to the Board of Directors recommending expansion of the Bajamont Way Surface Water Treatment Plant. This would reduce the use of groundwater in the CWD by 20% and potentially slow the progress of the NDMA and Perchlorate plume under the CWD service area. In addition, staff recommended purchasing additional land next to the District's 3 million gallon reservoir on La Vista Drive in order to have enough space to provide groundwater treatment for NDMA at that facility. The Board approved the property purchase and requested that staff look at additional alternatives in protecting CWD customers.

In September staff presented an NDMA Risk Assessment that reviewed 10 alternatives to meet the needs of the District. The risk assessment identified two alternatives that provided the most protection and the least risk. The first alternative is to expand the Water Treatment Plant at Bajamont. The second alternative is to expand the Water Treatment Plant at Bajamont and work with Aerojet and Sacramento County to site a groundwater extraction and treatment facility near Ancil Hoffman Park which would use

the treated groundwater as an irrigation source for the golf course and for use at the duck pond restoration project.