

*Aerojet Activities – July 2012*  
(Bold Items shown on Figure)

- A **GET L-A**
- B **GET L-B**
- C **AC-6**
- D **AC-12** Completed land purchases. Will be beginning construction of facilities next month.
- E **AC-18** and **AC-23** -
- F **GET B**
- G **GET E/F**
- H **GET D**
- I **GET J** –
- J **White Rock Road North Dump**
- K **New Monitor Wells:** Aerojet is planning several new monitor and/or extraction wells:
  1. New monitor well northwest of the GET L-B facility to help define the NDMA plume and evaluate capture. In Sutter Park and scheduled for Board of Sups consideration on 22 May.
  2. Monitor well in Rossmoor Bar Park to define NDMA plume – sent out public notice.
- L **Chettenham Well**
- M Sacramento County Water Supply Replacement Issues.
- N Western Groundwater Operable Unit. Aerojet has supplied new groundwater contamination figures and those have been posted on GeoTracker. Agencies are currently reviewing. Aerojet has also supplied an Outer Barrier Effectiveness Report and the Agencies have supplied comments. Final Remedial Action Report submitted – waiting for EPA signature. Inner Barrier Effectiveness Report submitted last week.
- O Perimeter Operable Unit – The Agencies have provided Aerojet comments on the Remedial Design Work Plan for soil vapor extraction at Sites 32D, 34D, 35D and 38D. Aerojet supplied (5/12/2012) a revised plan that calls for initial sampling for soil vapor as the existing data is old. The Agencies have supplied comments on this revised plan. Aerojet is looking at removal of soils at site **C41** and **C4** within the PGOU in summer 2012. Workplans have been provided and the Agencies have supplied Comments.
- P Boundary OU – Aerojet is in the process of finalizing comments on the risk assessment. One outstanding comment is still being worked on – dealing with ecological risk assessment and isolated incidents that exceed 10x the screening level. Aerojet has provided an initial draft response and the Agencies are in the process of reviewing.
- Q Island OU – With moving Area 39 to the IOU in order to complete the Baseline Ecological Risk Assessment and not delay BOU, Aerojet will soon be providing a draft workplan for it
- R Treatability Studies:

- i) **Line 03.** Temporarily shutdown as nitrogen gas formation has caused some overflow of the Redox box. Nitrogen gas coming from reduction of nitrate and ammonia. Was working well in destruction of perchlorate.
- ii) **Bioremediation of NDMA** – will be performing in-situ evaluation of biodegradation of NDMA in Zone 4 (GET A area). A SERDP/ESTCP project. Sparging system operating as intended. Dissolved oxygen in treatment zone up to 6 mg/L and the project is on-going.
- iii) Encapsulated Bacteria for NDMA Destruction. Completed – mixed results.
- iv) HIPOx for NDMA destruction at **GET B** – using hydrogen peroxide and ozone to break the NDMA bond. Now completed. Evaluating design parameters to decide what to use at **GET B** during designing the PGOU remedy.
- v) Column Studies – completed studies on perchlorate reduction using ACCEL and encapsulated bacteria. **GET D** system used to further evaluate encapsulated bacteria using Biomatrices and this is now completed.
- vi) IX Resin at **GET D**. Using “spent resin” from water treatment facilities that still has some capacity to remove perchlorate. See if they can get some more use from it before disposing of it
- vii) Atlantium UV at **GET B** - study complete. Evaluating the efficiency to see if it should be pursued further.

S Eastern Operable Unit.  
 T Central Operable Unit  
 U NPDES Permit.

V IRCTS:

- i) **Sigma Complex In-situ Bioremediation of Groundwater.** Boeing is looking at turning system off and evaluating rebound in groundwater. Concentrations of perchlorate have been reduced significantly.
- ii) **White Rock Road Dumps 1 and 2.** Revisions to design and implementation plan have been submitted and undergoing review. Looks like construction may not occur until next spring as the County approval and bidding process must still take place.
- iii) **GET F Sprayfield and PBA.**

# Aerojet Activities - July 2012 CAG Meeting

