

Aerojet Rocketdyne Activities –January 2016
(Bold Items shown on Figure)

- A **GET L-A**
- B **GET L-B**
- C **ARGET**
- D **AC-6**
- E **AC-12**
- F **AC-18** and **AC-23**.
- G **AC-24**
- H **GET AB** –Aerojet is looking at taking flow from extraction well **4670** (46,000 µg/L perchlorate) to GET EF through a temporary aboveground pipeline. The biological system at GET EF is more efficient at removing high concentrations of perchlorate.
- I **GET E/F** A fifth air stripper has been purchased and will be added – doing design for air stripper configuration and installation. A new pipeline has been completed connecting extraction wells on the IRCTS property in southeast Zone 2, and extraction wells for the Propellant Burn Area and GET F Sprayfield. The two Zone 2 wells and two of the PBA wells are operating. The Sprayfield connection will happen early this year to connect its 6 extraction wells. Wellhead improvements are being designed and implemented.
- J **GET D** – No longer exists.
- K **GET J** - Pipeline completed to connect 3 new Layer E extraction wells in Gold River. The wellheads and electrical work is being completed. One well operational and the other two will be by running soon.
- L **GET K**
- M **GET H**
- N **White Rock Road North Dump -**
- O **New Monitor Wells/Extraction Wells:**
 1. Iron Point Road – One remaining monitor well to be completed. The location has been moved to a SMUD lot.
 2. Completing extraction well components at two extraction wells south of White Rock Road North Dump. One to GET AB one to White Rock GET.
 3. Evaluating a new extraction well in Ancil Hoffman or Rossmoor Bar Park.
 4. Evaluating remedy enhancement west and north of **GET LB**. Planning for additional monitor wells to reduce uncertainty in the plume configuration.
 5. 13 wells are planned for this year – 2 extraction wells and 11 monitor wells (up to three completions each). Currently working in Sailor Bar Park area and will move to Carmichael area.
- P **Chettenham Well**
- Q Sacramento County Water Supply Replacement Issues. Golden State Water Company and Carmichael Water District are working on a project to bring American River water to Golden State. First stage of pipeline on south side of river has been installed. Having to wait until April 2016 to complete the project.
- R Draft Soils Engineering Evaluation and Cost Analysis – On hold, **NO CHANGES**.
- S Western Groundwater Operable Unit. Aerojet submitted an Outer Barrier Performance Evaluation Report to assess plume capture in April 2015 and an Inner Barrier report in September 2015. Agencies are reviewing.
- T Perimeter Operable Unit – Aerojet has constructed the SVE system in Area 49000 and has conducted a pilot test to determine radius of influence. Aerojet has submitted the design for the full-scale system and has completed construction. USEPA has approved the O&M plan. The Air Quality Management District has

- supplied requirements for operation of the SVE system. Original wells are being used and a report on the installation and operation of the remaining wells is pending.
- U Boundary OU. EPA working on the implementing order for the ROD.
- V Island OU – Aerojet has submitted final RI. Agencies have supplied comments on the draft risk assessment. Aerojet has submitted a draft Remedial Investigation Report and Risk Assessment for Area 40 and both documents are under review.
- W **Area 39 Open Space.** No changes.
- X Treatability Studies: No changes
- i) Encapsulated Bacteria for NDMA Destruction. Microvi expanded pilot study has been completed. Shown to be effective but inconsistent.
 - ii) **Area 40 PRB.** Results of 2014 sampling event have been received. PRB still reducing VOC and perchlorate concentrations.
 - iii) Use of So. Cal perchlorate ion exchange resin to pretreat IX system at Aerojet. Evaluation completed. Full scale pilot at ARGET is taking place.
- Y Eastern Operable Unit. Preparing Remedial Investigation report.
- Z Central Operable Unit. Preparing Remedial Investigation report
- AA Cavitt Ranch Operable Unit – Aerojet has prepared a remedial investigation sampling plan and the Agencies have this under review.
- BB Groundwater – General. Aerojet has submitted a 2016 draft groundwater monitoring plan and the Agencies have it under review.
- CC NPDES Permit.
- DD Aerojet Landfills. Aerojet has supplied a revised Clean Closure Plan in response to agency comments and the Agencies have approved the plan. Agencies have supplied comments on draft Post-Closure maintenance plan and Aerojet has supplied responses to comments.

IRCTS:

1. **Sigma Complex In-situ Bioremediation of Groundwater.** Boeing has turned the system off and is evaluating rebound in groundwater. Concentrations of perchlorate have been reduced significantly. No changes.
2. **White Rock Road Dumps 1 and 2.** Closure is complete. Developing Land Use Covenants
3. **GET F Sprayfield and PBA.** Two extraction wells are operational and are sending the water to GET EF. Six Sprayfield extraction wells will be hooked up later this year or early next year. Aerojet has proposed additional soil remedial actions for the PBA and is revising the plan based on agency comments.
4. **GET H-B.** Boeing supplied a revised contingency plan and the agencies have approved the plan. Evaluating plume in the vicinity of the runway on Mather Field.
5. **SGSA Treatment System** – Boeing supplied a revised contingency plan and the agencies have approved it. Adding extraction wells and monitor wells to enhance plume containment near Sunrise Boulevard, north of Douglas Road. Two extraction wells and two monitor wells have been completed.