

Aerojet Rocketdyne Activities –March 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 – construction underway. The two Zone 2 wells and two of the PBA wells are operating. The Sprayfield connection will happen later 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. All three operational and the will be by running soon after SMUD approves meters.
- L **GET K**
- M **GET H**
- N **White Rock Road North Dump -**
- O **New Monitor Wells/Extraction Wells:**
 1. Iron Point Road – All wells completed..
 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 at the end of February, Agencies are reviewing. Aerojet also submitted the 4th Quarter 2015 Compliance Monitor Report.
- T Perimeter Operable Unit –. Aerojet operating the Area 4900 SVE system and has submitted to the agencies a report on the installation and operation of the remaining wells. Aerojet has also submitted for Agency review 4th Quarter 2015 ARSA Groundwater Monitor Report and a Site C41 Groundwater Monitor Data Transmittal
- U Boundary OU. EPA working on the implementing order for the ROD.
- V Island OU – Aerojet will be submitting a draft final RI. Aerojet will be going out and collecting additional samples to fill data gaps over the next 1-2 years. Agencies have supplied comments on the draft risk assessment. Aerojet has submitted a draft

Remedial Investigation Report and Risk Assessment for Area 40 and Agencies have submitted comments. Aerojet is developing the Feasibility Study.

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 provided comments.

CC NPDES Permit.

DD Aerojet Landfills. Aerojet has received approval of its revised Clean Closure Plan.

The Agencies have also approved the Post-Closure maintenance plan. Sacramento County will be issuing a revised Mitigated Negative Declaration in the near future.

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.