

Aerojet Rocketdyne Activities – January 2013
(Bold Items shown on Figure)

- A **GET L-A**
- B **GET L-B**
- C **ARGET**- The construction of the expansion of the ARGET facility has been completed and the facility is operational.
- D **AC-6**
- E **AC-12**
- F **AC-18** and **AC-23**
- G **AC-24**
- H **GET AB** – Plant being modified to allow increased capacity. Construction is on-going and the facility is expected to be fully operational at a capacity of around 3500 gpm in Spring 2014. Will reduce the power used by the UV system.
- I **GET E/F** Plant modifications underway. Installing IX units for perchlorate removal – allowing plant expansion. Added a screw press to dewater the solids generated by the biological process. Dewatered solids will be hauled for disposal.
- J **GET D** will be closing and moving treatment to ARGET
- K **GET J**
- L **GET K**
- M **GET H**
- N **White Rock Road North Dump -**
- O **New Monitor Wells/Extraction Wells:**
 1. Completed **new monitor wells** at Malaga Way to serve as a sentinel well for Arden Cordova Well 24 and the southern end of Sacramento Bar for plume definition.
 2. Proposed monitor wells on Ancil Hoffman Park near extraction well to help define groundwater capture; near Woodcliff and Peter J Shields elementary for plume capture definition; eastern end of Landis Avenue to define plume capture; Cemo Circle to confirm extent of capture zones; potentially on Queenston Court to define NDMA plume; and, depending on results from Queenston Court well a well near Lincoln Avenue.
 3. **Extraction well** proposed west of Grant Line Road and south of White Rock Road to help control NDMA plume.
 4. **Two extraction wells** south of White Rock Road on the IRCTS as part of the Perimeter OU implementation have been completed and are screened in Layers B and C.
 5. Evaluating a need for an additional **extraction well** on the Teichert site east of Grant Line Road to complete capture of the toe of the plume.
- P **Chettenham Well**
- Q Sacramento County Water Supply Replacement Issues.
- R Draft Soils Engineering Evaluation and Cost Analysis – Aerojet has proposed to expedite soil cleanups where the proposed remedy is excavation. This

document would be used as the process to do so. Agencies are reviewing. No changes.

- S Western Groundwater Operable Unit.
- T Perimeter Operable Unit – Aerojet working on revisions to Preliminary Design Reports for groundwater (Zones 1, 2 and 3) remedy in response to Agency comments. Site **C4** – Additional soil has been removed that was found to have waste materials during initial excavation. Field work to evaluate soil vapor and groundwater data at **49000 Area** is complete and a work plan for a pilot SVE test has been submitted.
- U Boundary OU – Proposed Plan. Comments are being reviewed.
- V Island OU – Agencies have supplied comments on draft remedial investigation report and Aerojet is preparing responses. Aerojet has provided draft responses to Agency comments on Human Health and Ecological risk assessments for the Hogout site. Those documents were used as an example to have the agencies look at prior to preparing the HHRA and EcoRA for the entire OU.
- W **Area 39 Open Space** – Aerojet submitted an RI report on the collection of soil/soil vapor/surface water/groundwater samples. Agencies are reviewing it. Aerojet is pilot testing a small treatment system that removes perchlorate from a groundwater spring prior to entering a nearby creek. No changes.
- X Treatability Studies:
 - i) **Line 03**. No change
 - ii) **In-situ Bioremediation of NDMA**. Addition of propane into the shallow groundwater to stimulate bacteria to degrade NDMA finished field work. Report is being drafted. No change
 - iii) Encapsulated Bacteria for NDMA Destruction. Microvi expanded pilot study is on-going. 120 gpm at **GET E/F** – fluidized bed. On-going.
 - iv) **Area 40 PRB**. No Changes
 - v) Use of So. Cal perchlorate ion exchange resin to pretreat IX system at Aerojet. Evaluation completed. Full scale pilot at **ARGET**
- Y Eastern Operable Unit. Preparing Remedial Investigation report.
- Z Central Operable Unit.
- AA NPDES Permit. The permit is being revised to allow for increased capacity at **GET E/F** and adding **GET AB** to the permit. Discharge from **GET AB** will be to Buffalo Creek, Rebel Hill Ditch and/or reused by Aerojet and Teichert.
- BB IRCTS:
 - i) **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.
 - ii) **White Rock Road Dumps 1 and 2**. Closure is occurring.
 - iii) **GET F Sprayfield and PBA**. Two new extraction wells have been constructed and are awaiting pipeline to **GET E/F** as part of the PGOU effort.
 - iv) **GET H-B**. No changes.

- v) **SGSA Treatment System** – Due to the construction of a storm drain main along Douglas Road that will cut off the pipeline from the extraction wells on the south side of Douglas Road, Boeing is constructing a small treatment system south of Douglas Road.