

Aerojet Activities – July 2013
(Bold Items shown on Figure)

- A **GET L-A**
- B **GET L-B**
- C **ARGET**- Constructing GET D to ARGET pipeline. GET D facility will go away. The construction of the expansion of the ARGET facility has commenced. Adding perchlorate treatment to the facility
- D **AC-6**
- E **AC-12** Construction complete on changing the well to an extraction well and it is operational.
- F **AC-18** and **AC-23**
- G **AC-24** – well constructed. Well is operational and it has been sampled a couple of times.
- H **GET B** -
- I **GET E/F** purchased 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** – should complete conversion of AC-12 to extraction well pumping end of April.
- M **GET H** – Installing additional IX units – pressure drop has been too great and added flow with new extraction wells now operational.
- N **White Rock Road North Dump** -
- O **New Monitor Wells/Extraction Wells:**
 1. **New monitor wells** have been constructed on Gold Bar and Gold Country Boulevard (just west of the Gold River Discovery Center) near extraction well 4380 in Gold River to assess capture.
 2. Additional well in parkway has been completed near 4380
 3. **1159**, old water supply well was destroyed in PGOU area.
 4. Building two monitor wells to replace wells destroyed during White Rock Road widening project. Wells on east end and White Rock North Dump.
 5. **Extraction well** proposed west of Grant Line Road and south of White Rock Road to help control NDMA plume.
- P **Chettenham Well**
- Q Sacramento County Water Supply Replacement Issues.
- R Western Groundwater Operable Unit. Working on well **1156** in Sailor Bar Park to get more flow out of it. Evaluating location for new extraction well in Sailor Bar Park to provide additional capture.
- S Perimeter Operable Unit – Agencies provided comments on revised Preliminary Design Reports for groundwater (Zones 1, 2 and 3) remedy in response to comments and discussion an agency meeting in October. Agencies re reviewing. Site **C4** – Confirmation sampling was performed for lead and some small areas above the cleanup level remain to be excavated. Aerojet will then perform dioxin sampling to make sure excavation has been

successful. **C41** excavation and backfilling completed. The site is essentially closed except for some paperwork. Field work at **49000 Area** is currently on-going to assess the need and design of a soil vapor extraction system.

- T Boundary OU – Proposed Plan out for public comment.
- U Island OU – Aerojet submitted draft Remedial Investigation Report and the document is in review. Agencies have submitted some comments. Aerojet also submitted a Human Health Risk Assessment for the Hogout site as an example to have the agencies look at prior to preparing the HHRA for the entire OU. Agencies have nearly completed the review.
- V **Area 39 Open Space** – Aerojet completed the collection of soil/soil vapor/surface water samples and constructing monitor wells in the southern part of Area 39 and off the property to the south and southeast. Aerojet is drafting a report that provides the results of that investigation.
- W 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
 - iii) Encapsulated Bacteria for NDMA Destruction. Microvi expanded pilot study is on-going. 120 gpm at **GET E/F** – fluidized bed
 - iv) HIPOx for NDMA destruction at **GET B**
 - v) Atlantium UV at **GET B** – patented UV reactor
 - vi) **Area 40 PRB**. .No Changes
 - vii) Use of So. Cal perchlorate ion exchange resin to pretreat IX system at Aerojet
 - viii) MIOX advanced oxidant generator – sodium hypochlorite-type
- X Eastern Operable Unit.
- Y Central Operable Unit
- Z NPDES Permit.

AAIRCTS:

- 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.
- ii) **White Rock Road Dumps 1 and 2**. County Board of Supervisors has approved the closure plan and closure. Out to bid. Start in fall.
- 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**
- 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 may be constructing a small treatment system south of Douglas Road if pipeline realignment is not feasible and cost-effective. The discharge from that system will be to the southern branch of Morrison Creek.