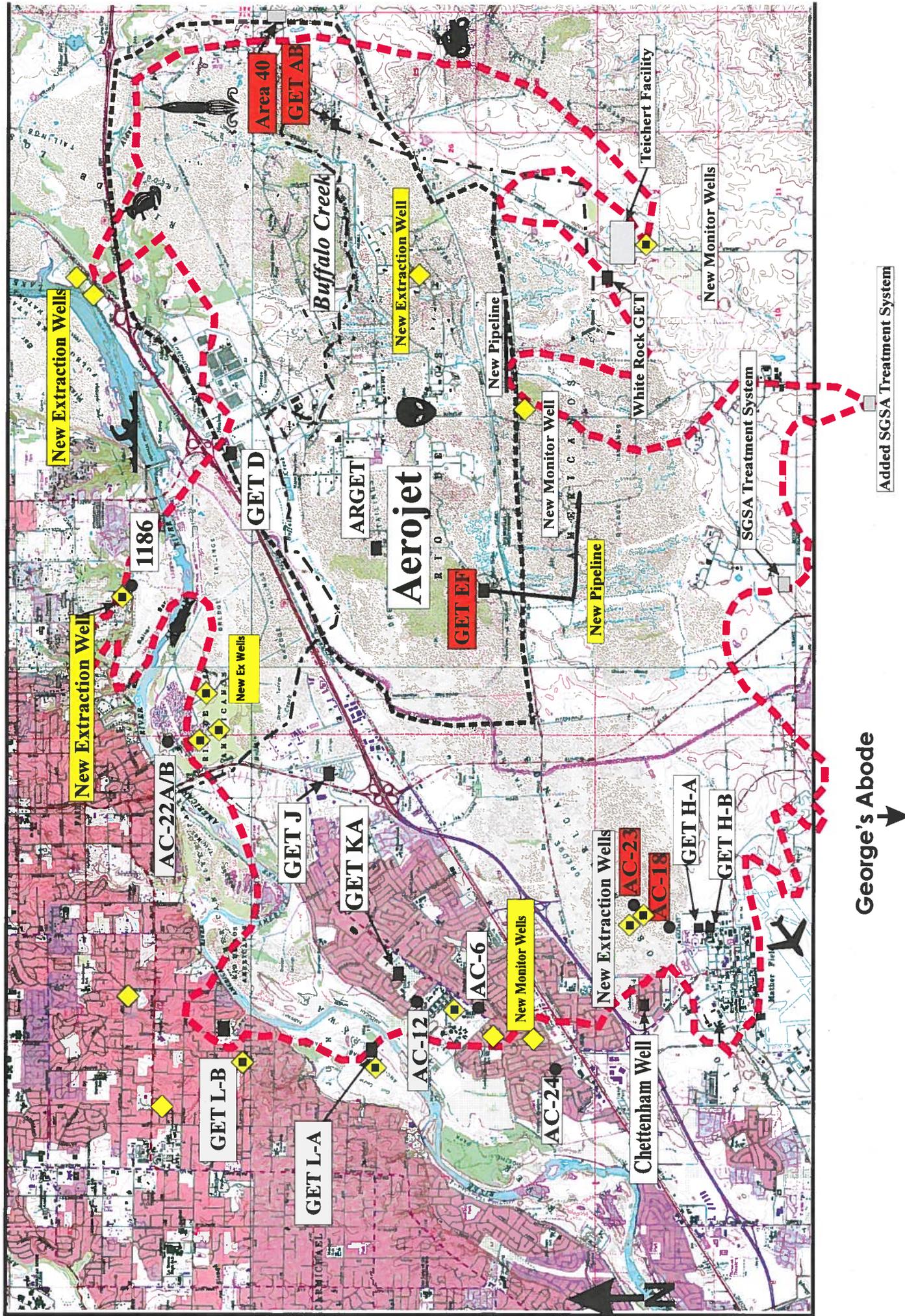


Aerojet CAG - September 2014



Aerojet Rocketdyne Activities – September 2014
(Bold Items shown on Figure)

- A **GET L-A**
- B **GET L-B**
- C **ARGET**
- D **AC-6**
- E **AC-18 and AC-23.** Still working on methods to deal with fine particles entering the system.
- F **AC-24**
- G **GET AB** – Construction completed and plant ramped up in processing flow by adding additional extraction wells. Water being sent to the industrial water supply system for reuse, Pipeline connecting two new extraction wells in eastern Zone 2 is being constructed.
- H **GET E/F** Plant modifications underway. Installing IX units for perchlorate removal – allowing plant expansion. Some IX units are now operational. Following of the new pipeline to GET AB, a new pipeline connecting extraction wells on the IRCTS property in southeast Zone 2, and extraction wells for the Propellant Burn Area and GET F Sprayfield will be constructed – start in September.
- I **GET D.**
- J **GET J**
- K **GET K**
- L **GET HA**
- M **White Rock Road North Dump -**
- N **New Monitor Wells/Extraction Wells:**
 1. Completed monitor wells in Carmichael - in Ancil Hoffman Park near extraction well to help define groundwater capture; eastern end of Landis Avenue to define plume capture; pending well -Queenston Court to define NDMA plume; and, depending on results from Queenston Court, a well a well near Lincoln Avenue.
 2. New extraction well near Hogout in Layer A will be drilled in September.
 3. Completed 3 Extraction wells in Gold River – Layer E for TCE control.
 4. Two new monitor wells will be constructed – one on Ellenbrook and the other on Newton - to serve as sentinel wells for AC-24 and Malaga water supply wells. These start in September.
 5. New monitor well for Layer E/F in southeast Zone 2 on IRCTS property.
 6. Working on completing electrical panel and pipeline for extraction well on Emperor Drive in Fair Oaks
- O **Chettenham Well**
- P 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
- Q 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.
- R Western Groundwater Operable Unit. Aerojet submitted an Inner Barrier Performance Evaluation Report to assess plume capture. Under Review.
 - S Perimeter Operable Unit – Aerojet is completing improvements to capture system discussed above. Aerojet has constructed the SVE system in Area 4900 and is conducting a pilot test in to determine radius of influence. Then design full-scale system while pilot system continues to operate.
 - T Boundary OU – EPA has drafted working copy of the Record of Decision. DTSC and Regional Board have supplied comments and EPA is reviewing
 - U Island OU – Agencies have supplied comments on draft remedial investigation report and Aerojet has prepared responses. Aerojet is preparing the draft risk assessment. Aerojet submitted a supplemental Sampling and Analysis Plan for Area 40 to further defined the extent of contamination. Agencies are reviewing.
 - V **Area 39 Open Space** – Agencies are reviewing the Final RI.
 - 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. No change
 - iii) Encapsulated Bacteria for NDMA Destruction. Microvi expanded pilot study is on-going. 120 gpm at **GET E/F** – fluidized bed. Project completed.
 - 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** is taking place.
 - X Eastern Operable Unit. Preparing Remedial Investigation report.
 - Y Central Operable Unit.
 - Z NPDES Permit. Revision to be considered at October meeting of the Regional Board.

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 complete.
- 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** – No changes