

Draft Aerojet CAG Notes – 18 November 2015

Meeting attendees:

Daniel Wolfe (City of Folsom)

Stephen Green (SARA)

Jackie Lane (EPA)

Steven Ross (Department of Toxic Substances Control [DTSC])

Jerald Drobesh – (Community)

Kathy Lawson – Golden States Water

Alta Tura (Sacramento Area Creeks Council)

Chris Fennessy (Aerojet Rocketdyne Holdings, Inc. [Aerojet])

Janis Heple (CAG Chair)

Julie Santiago-Ocasio (EPA)

Lynn Keller (EPA)

Larry Ladd (Community)

John Valdes (Sacramento Suburban Water District)

Stacie Sherman (Community)

Cesar Montes De Oca (City of Rancho Cordova)

Alex Macdonald (RWQCB)

Minutes – Janis will send out final copy of meeting notes for last meeting. Draft had been sent out by e-mail. Jimmy Spearow sent Janis an e-mail saying they looked good to him. No comments provided at the meeting.

Aerojet update by Chris Fennessy:

- Aerojet Rocketdyne Holdings Company Inc. (formerly GenCorp and General Tire and Rubber) celebrated its 100 year anniversary.
- Request from AMPAC Fine Chemical (leasing old Chemical Plant 1 area) to have a new facility constructed in Chemical Plant 1. The area for the building is in the Central Operable Unit. Under the Partial Consent Decree there is a requirement for notification of and approval by The Agencies for construction of a building that might impair a remedy in the future, or for excavation and disposal of soils over 10 cubic yards. The chosen site is on lands that are part of source areas 31E and E(F). The Central OU9 has a draft sampling plan. A figure showing the proposed facility location and sample locations in the Central OU Field Sampling Plan, plus additional sampling was shown. Chemical Plant 1 did research primarily in pesticides and herbicides and cancer drugs. AMPAC wants to have building located near building -05-041 and they need to start delivering product from the new facility next year. They have also selected a less-preferred alternate location. Several ancillary facilities – fire suppression line, chillers, and fire water collection pond will also be constructed. Sampling identified in the

Central OU Field Sampling Plan will be conducted prior to determining if any remedy is needed ahead of constructing the building. AMPAC does have a RCRA permit, but it is not known if the new facility will generate RCRA waste. Sampling will occur after Thanksgiving and have results back before the end of the year. Soil sampling for metals and SVOCs-SIM and pesticides and PCBs will take place, as well as VOCs in soil vapor. The product that will be produced from the new facility is not known. Any spills from new facility will be dealt with by RCRA. Larry Ladd brought forth the concern of nitrosamines associated with breakdown of PROWL (a pesticide manufactured at Chemical Plant 1).

Regional Board presentation on groundwater contaminant plume status was provided. Figures showing concentrations of TCE, perchlorate and NDMA were shown for each of the aquifer Layers A, B, C, D, E and F. The areas where capture remains less certain include:

- NDMA in Layers C and D in the Western Groundwater OU in Area 4 – near the American River and Rossmor Bar Park. Aerojet has constructed three additional groundwater monitor well clusters to help define the plume in the vicinity of GET L-B. This December Aerojet will be submitting the results of analysis for the containment of the plume in Layer D extending northwest from GET L-B and is not currently captured. Aerojet has also completed additional monitor wells in Rossmor Bar Park and to assess capture of Layers C and D between GETs L-A and L-B. The December submittal will also contain a result of this assessment.
- TCE in Layers C and D north of Sailor Bar Park in the Perimeter Groundwater Operable Unit. This portion of the plume is selected for Monitored Natural Attenuation (MNA). An extraction well location has already been evaluated if MNA fails to provide an adequate remedy.
- NDMA and perchlorate in Layer B near the American River and Folsom Boulevard (Factory Outlets). Aerojet is completing the last of six groundwater monitor wells to define the plume and will evaluate remedies.

Most of the other areas appear to have good capture. A few areas have extraction systems that have not been fully functional for a sufficient amount of time to allow a definitive evaluation to be made.

DTSC Presentation on Land Use Covenants (LUCs) – C41 Site

- First set of Land Use Covenants for C41. Part of Perimeter OU5 within County of Sacramento. Need to have it enforceable. Land Use Covenants for OU5 discussed in the Record of Decision (ROD). Types groundwater restrictions – some have groundwater restrictions only – no actions sites, some will add on soil vapor – 7D, FCS and 33D, then Land Use Covenants for remedial action completion sites – 10D, 11D, C4 and C41.

- Boundary OU6 Record of Decision (ROD) will be using these same ones for soil and additional ones for soil vapor for its sites.
- Looking at current risk values to make sure still protective – original standards were set when Record of Decision (ROD) was done.
- Cleanup of perchlorate at C41 occurred in 2012 - 10 feet below future finished grade. Deeper than 10 feet in some places which is the depth used for potential human exposure.
- Backfilled to grade. Details on cleanup are available on Envirostor and GeoTracker.
- Land Use Covenants require a soil management plan if excavations are deeper than 10 feet on the delineated area.
- Statute requires Land Use Covenants when contaminants remain on property prevent unrestricted use, prohibit activities that could result in human exposure or contaminant release.
- Land Use Covenants between property owners, DTSC, RWQCB with USEPA third party beneficiary.
- Defines property – 1.7 acres, covenanter and agencies defined, runs with land, binds property owners and occupants, conveyance of property notification, payment of costs for administering Land Use Covenants.
- See handout for restrictions and requirements.
- Enforcement
- Property Owner Association exception – see handout.
- Discussion on where C41 was – Chris Fennessy showed on figure.

Aerojet Landfill. The closure of the Aerojet Landfill and CEQA was brought up by Chris Fennessy. It is part of OU5 with State and County oversight. The removal of the landfill is not a Superfund project. Easton Development Company is removing it – confirmation sampling is to be done. A Clean closure plan revision was issued by Aerojet that has additional protective measures for people that may be in living in Phase I of Glenborough at the time of the landfill removal. It requires notification, noise abatement, and monitoring. The evaluation led to the determination by Sacramento County that the modification proposed is not a significant impact – leading to a Mitigated Negative Declaration that Sacramento County should be preparing in the next three months.

Lynn Keller provided a synopsis of the upcoming 5-year review: it will be done by the US Army Corps of Engineers. There was a briefing today at Aerojet and a site visit tomorrow to start process. Groundwater remediation is being evaluated along with the few soil remedies such as Area 41. It will go over the RODs and what is being implemented see if the OU3 and OU5 objectives being met. The review takes about one year to do. This is a complex undertaking for someone that has not seen the site before. It is due to EPA by September 2016. Sections will be sent to EPA as they are produced. The first draft will come out in the summer of 2016 and be issued when complete.

Area 40. Lynn Keller reminded the CAG that EPA is looking to move Area 40 into its own operable unit - OU10. The State has the resources to take it on and keep it moving forward to get the land back into reuse. An agreement between the State and EPA will be developed and the Agencies will meet in December to go over terms and finalize.

Aerojet Overview. Alex MacDonald provided an overview of the field activities at Aerojet and the IRCTS projects. His handouts are attached.