

Final Meeting Notes: Community Advisory Group (CAG) - Aerojet Superfund Issues, July 18, 2012

1. Introductions and Attendees

Attendees: Tim Murphy (Aerojet), Janis Heple (CAG), Jimmy Spearow (CAG), Steve Nugent (Carmichael Water District), Steven Ross (DTSC), Jackie Lane (EPA), Kevin Mayer (EPA), Gary Riley (EPA), T. Anderson (GSWC), George Waegell (Morrison Creek, Inc.), Alex MacDonald (RWQCB), Burt Hodges (SARA), Stephen Green (SARA), Larry Ladd, Tara Fitzgerald (Recorder, Weston Solutions, Inc.).

Stephen Ross will replace Ed Cargile as the DTSC point of contact for the Aerojet project.

2. Aerojet Community Update – Tim Murphy, Aerojet

Rancho Cordova Parkway – no agreement with city of Rancho Cordova as yet. The fill will not be from the AJ property. Completion is planned for 2018.

Additional discussion of questions raised over imported fill brought into residential areas on the Aerojet site. Since the fill is coming from outside of Aerojet it would not be a source of Aerojet pollution and, therefore, not necessarily tested for perchlorate.

Burt Hodges comment: Bicycling groups are concerned about monitoring well construction in a parkway. What do the wells mean? Also concern for maintaining bicycle lane access during construction activities.

Tim Murphy: Bicycling groups can be added to Aerojet distribution list that will keep them updated about construction activities.

1a. Discussion regarding minutes

General discussion of draft May 2012 minutes before moving to Item 3. Jimmy Spearow doesn't agree that Dr. Mitchell implied the following: In speaking with a colleague at the DTSC it was determined that the DTSC ecologists don't use the study discussed on March 2012 because perchlorate is kept constant in water. Stephen Ross will ask Dr. Mitchell to review the statement. Additionally, the following comment attributed to Dr. Smucker needs to be double-checked: Information on bioconcentration factor of perchlorate in plants is not available.

3. Update on Perchlorate in the Boundary OU- Gary Riley, EPA

(Prior action item: report back to the CAG on the specific locations where perchlorate was not detected, detected, and at what levels; along with where cleanup will take place.)

Presentation of map to show where perchlorate sampling has been conducted and ranges of perchlorate concentrations within the Boundary Operable Unit (BOU). Two screening levels for perchlorate are generally used. The first is the California Human Health

Screening Level (CHHSL) for residential soil is 28 parts per million (ppm). The second is for protection of groundwater and is established at 60 parts per billion (ppb) as perchlorate is highly soluble in water. The protection of groundwater screening level is more protective. Cleaning up to the protection of groundwater screening level is protective of unrestricted use of the property.

Administration West/East Areas–

- The Administration East area will be retained by Aerojet for industrial use and will be restricted to industrial use.
- The Administration West area will be part of Easton Place – Aerojet is planning a transit community of offices and high density residential units (350 per acre).
- Typical contaminants in the Administration West area are chromium, lead, total petroleum hydrocarbons, and polychlorinated biphenyls.

Tim Murphy provided an overview of Administration West use – no gardening in high density residential areas, only landscaping.

Janis Heple comment: Do you see agreements prohibiting gardening in landscaping areas?

Tim Murphy: Can't speak to that.

Janis Heple comment: It is becoming a thing. A restriction from creating gardens in landscaping areas could be put in place.

Mr. Riley continued the presentation and noted that perchlorate is present above 60 ppb in retail areas only within the Administration West area. There are two areas where perchlorate exceeded 60 ppb. One area will be remediated due to high concentrations of chromium. The second area is limited shallow soils and is limited in extent and is not proposed for cleanup. Areas containing perchlorate above 60 ppb have been defined in the in the Remedial Investigation (RI) report.

The Former Chem Plant 2 and Magazine Area 2 in the southwest part of the Aerojet site next to the Westborough Phase 1 development and will remain restricted to industrial use due to contamination other than perchlorate.

Steven Ross: Land Use Covenant (LUC) depends on risk.

The RI document details any areas with perchlorate greater than 60 ppb that are not going to be remediated.

Larry Ladd comment: What is driving black dots (areas with higher levels of perchlorate)?

Gary Riley answer: PCBs are in a drainage ditch.

Westborough Phase 2 – The southeast border of Westborough Phase 2 is right next to OU9, which is industrial land.

Tim Murphy comment: Not sure if there is any active industry near planned medium density residential (MDR) housing in Westborough 2.

So overview of MDR overlap with perchlorate detections directs special attention to Westborough 2 LDR planned housing. MDR = 15 to 20 units per acre.

4. AJ CAG letter on Final Boundary Operable Unit (OU-6) Remedial Investigation and Risk Assessment – Janis Heple

The CAG letter addressed to EPA, DTSC, the Central Valley Regional Water Quality Control Board, and Aerojet included comments based on what had been brought up at prior CAG meetings. Items 1 – 4 are concerned with soil issues.

Items 2 and 4: Some soil issues with science still in flux – EPA OSWER developing a database for attenuation factors for soil vapor in area.

Discussion on perchlorate in soils.

Want to make sure that the EPA and the state don't endorse use based on out-of-date toxicity criteria or inappropriate exposure factors.

Gary Riley comment: Goal is transparency. Also agencies don't always agree on exposure levels.

5. Discussion: Development of a consolidated document schedule - All

Gary Riley comment: We have a draft development schedule. It will be updated every two months at the time of CAG meetings. The CAG plans to assess the document schedule and will further discuss its use at future meetings.

6. Regional Board Aerojet Cleanup Overview – Alex MacDonald, RWQCB

Mr. MacDonald reviewed the attached handout, Aerojet Activities 2012 – July 2012 CAG Meeting.

Latest plume maps are posted to GeoTracker:

http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=SL185992958

- One set of plume maps shows current data
- One set of plume maps show changes from year before

Outer barriers wells are at the leading edge of the plume.

Kevin Mayer comment: There will be a highly technical meeting to discuss preliminary remedial design in September or October 2012.

Larry Ladd: Where is the new monitoring well in Rossmoor Bar Park in relation to the Carmichael area?

Answer: Upgradient of the existing monitor wells on the north side of the American River

7. Next meeting date is September 19, 2012