

Galena Technical Project Team

Meeting # 16

June 9, 2005

Department of Environmental Conservation
Anchorage Offices

TPT Members in Attendance

Ragine Pilot	Louden Tribe
Marvin Yoder	City of Galena
Dave Hertzog	Air Force (AF)
Colin Craven	Dept. of Environmental Conservation (DEC)
Phil Koontz	Louden Tribe
JoAnn Grady	Facilitator

Absent

Harry White	Galena City Schools
Colette Foster	Alaska Department of Transportation

Support Personnel (By Teleconference)

Stephanie Pingree	Ecology & Environment
Patrick Haas	Patrick Haas and Associates
Manish Joshi	EarthTech
Ron Porter	Mitretech
Stacey Kreiger	EarthTech

Summary Comments

Update on the Remedial Investigation (RI) Report:

The TPT began its meeting with an overview of data from the following sites that will be featured in the draft RI Report. The report will be out for review to the TPT on September 23, 2005.

JP-4 Fill Stands (ST009)

Dave Hertzog (AF) presented a comprehensive review of historical activities and data collected to date on the JP4 Fill Stand site. He indicated that, based on geochemistry, all plumes are stable and are not moving.

Recommendations from the AF will include:

- Source removal and bioventing at the site.
- Additional installation of wells to further characterize the plume. It is estimated the wells will be added in 2006.
- Feasibility Studies (FSs) conducted at the site will look at all possible remedies and evaluate their effectiveness. Groundwater treatment possibilities will be investigated.

Mr. Hertzog stated that a Decision Document (DD) on this site should not be expected until 2006.

Million Gallon Hill (CG001) and Missile Storage Area (CG002)

Mr. Hertzog continued his review of all historical activities performed and data collected at these sites. He stated that the RI Report will recommend that bioventing be conducted around both areas.

Recommendations for soil remediation at the site include:

- Continue injection bioventing.
- Summarize the findings and make recommendations for optimization of systems at the site.
- Feasibility Studies (FSs) are not indicated for this site.
- Decision Document will finalize the remedy implementation.
- The system will operate for a number of years (yet to be determined)
- Bi-annual respiration testing will be conducted.
- Confirmation soil samples will be collected at the end of a 5 year period.

Recommendation for petroleum remediation at the site:

- Mr. Hertzog stated that free product recovery of petroleum contamination at the site is not feasible. The remedy will rely on the bioventing.

Recommendations for groundwater remediation at the site include:

- Continuation of groundwater monitoring annually for 3 years to verify trends at the site. This will be followed by monitoring every 3 years until the minimum clean up levels are achieved at the site.
- Monitored Natural Attenuations (MNA) time frames will be established.
- Feasibility Studies (FSs) are not indicated for this site.
- A Decision Document (DD) for this site will be crafted and will include exit strategies.
- Additional remediation wells may be added.

South POL Tank Farm (SS005)

Mr. Hertzog continued his review of all historical activities performed and data collected at this site. He cited the source of contamination at the site as old saddle tanks that were active in the 1950's. At that time, fuels were barge loaded and transferred to the tank farm. Most tanks were removed in 1993 and the site was declared contaminated in 1995.

Soil remediation recommendations at the site include:

- Continue injection bioventing.
- Continue extraction bioventing.
- The RI Report will summarize all of the findings at the site.
- No Feasibility Study (FS) is needed at the site. (DEC's Colin Craven suggested incorporating data from the 1996 EE/CA to support the 'no FS' conclusion at this site)

- System will be operated for approximately 11 years
- Bi-annual respiration testing will occur
- Confirmation soil sampling will be conducted at the site to attain site closure.

Free Phase Recommendations

- Natural Attenuation is being recommended at the site.
- Seasonal bioventing will take place.
- No FS is needed at the site.
- Continue monitoring for free phase thickness.
- Consider bioventing at 05-RW-02.

Groundwater (GW) remediation recommendations at the site include:

- GW monitoring will be conducted annually for 3 years to verify trends, and then once every 3 years until MCLs are achieved.
- MNA will be recommended with estimated remediation time frames to be included.
- No need for FS at the site. (DEC again recommended EE/CA data be included to support the no FS conclusion)
- DD for this site will be developed and will include an exit strategy.

Mr. Hertzog indicated that, based on geochemistry, all plumes at this site appear to be stable and are not moving.

TCE Plume (Building 1845)

Mr. Hertzog continued his review of all historical activities performed and data collected at this site. He stated that the source of the TCE contamination remains unidentified.

Mr. Hertzog stated the AF will recommend MNA at the site to remedy the TCE contamination.

Colin Craven delivered a Power Point presentation which reviewed an overall look at contamination trends at the site. His research suggests that MNA may not be an appropriate remedy for the TCE plume. He stated the DEC presented the information to help further the discussion of other remedies which may, or should, be considered. He stated that DEC did not feel that MNA is reducing the plume.

Mr. Hertzog indicated that there may not be any remediation technique other than MNA. He cited various TCE plumes around the state which have been treated and are stagnant at advanced states of TCE breakdown. He also voiced his concern regarding treating a single source aquifer. He stated that because of that concern, the remedy at this site should be made very carefully.

The TPT agreed that other options may need to be investigated.

Mr. Hertzog thanked Mr. Craven for his presentation. Both Mr. Craven and Mr. Hertzog agreed that the base drinking water supply remains safe. Groundwater monitoring will continue at the site in order to track the plume migration. Mr. Hertzog indicated that, based on geochemistry, all plumes are stable and are not moving.

Update on the Human Health Risk Assessment Work Plan (HHRAWP)

Stephanie Pingree from Ecology and Environment joined the meeting via teleconference to discuss developments on the HHRAWP. Mr. Hertzog provided a short history of the document and stated the AF and DEC had been involved in a number of discussions since the last TPT meeting to re-evaluate whether or not the document should be edited to re-evaluate the exposure scenarios currently in the document. Mr. Hertzog stated that AF is in receipt of a letter from the DEC regarding their acceptance of the document. The TPT reviewed and resolved the conditions for acceptance of the RAWP as a final document. The conditions and agreements are as follows:

- A final list of contaminants of concern (COCs) will be developed in accordance with the appropriate and agreed upon process. The list will be provided in the final RA.
- All metals will be screened using the same method as all other COCs. If metals exceed screening levels, they will be carried through quantitatively in the HHRA.
- It was unclear if all of the historic data was qualified and was being considered in the RAWP, or if the 2004 data was being used solely. Dave Hertzog stated that all historic data was being considered in the document. He will verify and confirm with the TPT by e mail that all historic data was considered in the HHRAWP.
- DEC agreed, based on review of the preliminary data from the 2004 groundwater sampling, that the migration pathway to the Yukon River is incomplete.

The Future of Air Monitoring at the GAVTC (Galena Aviation Vocational Technical Center)

Mr. Craven stated the DEC will agree to suspend the indoor air sampling program at the GAVTC building conditional on the SVE wells continuing to operate at the site. DEC further stated that suspension of any other system operating at the GAVTC will need to be approved by the DEC.

Details on how the site will continue to be managed once the sampling is suspended will need to be worked out between the DEC and the AF.

At present, the August sampling event will be the last indoor air samples taken at the GAVTC.

Next Meeting Time and Place

The next meeting of the TPT will be held in Galena August 30, 2005 and will begin at 10:00 A.M.

The meeting place will be announced in the draft agenda.