CE Technical Meeting
March 15, 2007

Attendees: CE: Keith Knauerhause, Nelson Walter, Health Downey, Eric Sandin
USACE – Barbara Newman, Eric Barbour

Discussions:

CE agreed to take boring samples to 10 feet at all locations. All samples would be sent to the lab, however, only 0-1 feet would be analyzed, and then based on these results, a determination by USACE would be made as to which other four samples at deeper depths would be analyzed also.

CE will contract with GEL directly for a lab, and will forward to Eric B. all the lab QA info, including updated tables 3-1, 3-2 and 3-3 .

All samples that are being analyzed for metals, will include Thorium, method 6020. This includes soil boring, swipes and groundwater.

CE pointed out that the core bits are four feet in length. We agreed therefore, to adjust our depths of samples from 0-1, 1-5 and 5-10, to 0-1, 1-4, and 4-10 feet to accommodate this.

CE has ongoing quarterly groundwater monitoring . We agreed that they would add the six wells required in the SOW, onto the next quarterly groundwater monitoring event in mid-April, rather than under a separate sampling event. We also agreed to use wells S01 and S02 as background wells since they are upgradient of Building 3.

CE explained that there is very little fill under a 4-6 inch concrete floor in the building. Most of the fill looks a lot like the natural soil. We agree to take the first foot of sample at first soil based on visual inspection.

*USACE geologist wants the five wells that have not been previously sampled, to be redeveloped prior to sampling. If the background wells are not sampled in the quarterly monitoring , they have to be redeveloped also.

CE questioned the number of wipe samples. There are 100 asked for and they wondered if it could not be changed to 20. Barbara said she would speak with her risk assessor. They also wanted to know how high up the walls they should sample. After discussion, it was decided that most of the samples would be up to 8 feet and some would be above that, needing a ladder, but not a forklift.

CE questioned whether we needed rad samples taken from the ceilings also. Eric felt that it would be helpful to have them.. CE explained that if they needed to take samples from the ceiling, it would require a forklift, and a different health and safety plan, and this

work would tag on an extra $5-$10K for the study Heath will search for an alternative to the ceiling samples – a high hit on the walls perhaps, that would suffice for the ceiling and let us know within a couple of days.

CE will send us a copy of their health and safety plan with an addendum for this work, prior to their field sampling.

Schedule. Barbara and Eric will meet with CE to mark sampling locations on Friday, March 23rd for soil borings. CE will attempt to start work the first week of April

Heath will send USACE a map with a grid of 40 sampling locations and one of 100 samples location for the systematic metal swipe samples in the north bay of the building prior to Friday, March 23rd.

CE will leave the IDW for soil borings in the building. The IDW for groundwater will be taken with the other groundwater wells IDW.

CE questioned whether we wanted TAL metals and Silver, boron, zirconium and thorium or just silver, boron, zirconium and thorium. I said I would get back to them in a day with an answer.

Eric B. explained that he expected CE to select 20 samples for rad Thorium from the past alpha spec results that were above 1000, go to those locations in the building with a hand held alpha-beta scintilator, and based on the results, select a location from the floor for volumetric sampling.

Eric B. will send CE the GPS coordinates for the outside areas, and we will select the other soil boring locations.

CE volunteered to put the work plans into PDF after we received all the info. Eric will work with Mac Tec to determine how to do this.