

Meeting Minutes

Project: Tronox (TRX)
Location: Tronox Henderson Facility
Time and Date: 9:00 AM, Thursday, June 28, 2007
In Attendance: NDEP-BCA – Brian Rakvica
Teri Copeland – for NDEP
Tronox – Keith Bailey
ENSR (for TRX) – Dave Gerry, Elizabeth Perry, Lisa Bradley,
Robert Kennedy

CC: Jim Najima, Shannon Harbour, Susan Crowley, Paul Black, Paul Hackenberry

1. The meeting was held to discuss a variety of topics including the Phase A Report and Phase B Work Plan.
2. TRX provided a number of draft tables and figures for discussion purposes via e-mail.
3. Background information provided by TRX as follows:
 - a. Over 120 soil samples and 27 groundwater (GW) samples were collected during Phase A. These were analyzed for over 250 compounds per sample.
 - b. Many of these compounds were never detected. It was noted that there are very few issues with the detection limits for soils data.
 - c. Discussed the derivation of direct contact levels
 - i. Soils are 1/10 the PRG
 - ii. GW – USEPA MCL, NC action level or 1/10 the PRG
 - iii. TRX also has derived a list of soil screening levels for leaching (SSLs) and is using the USEPA vapor intrusion (VI) levels.
 - iv. **ACTION ITEM:** TRX to provide the list of SSLs in a table similar to what NDEP reviewed previously and the reference for the VI levels.
4. Discussed Table 5-20A (soils)
 - a. It was noted that the analytes listed on this table are ones that had a maximum concentration greater than the direct contact level or SSL.
 - b. It was agreed that formal COPC selection will occur at the time of risk assessment.
 - c. Discussed organophosphorous pesticides (OP pests) – TRX noted that these are proposed not be evaluated further because there were only 2 detections and they were very low (less than 1/10 the PRG). In addition:
 - i. They were not detected in GW
 - ii. There is a low site-wide frequency of detection (FOD)
 - d. Discussed radionuclides. These are consistent with background. NDEP noted elevated concentrations in GW in exposure area (EA) 8. TRX is investigating the issue of filtered versus non-filtered samples. NDEP noted that there is a source that has not yet been identified.
 - e. Discussed SVOCs and PAHs, the frequency of detection is very low and the detections are very close to 1/10 the PRG. It was noted that this issue should be correlated to the area of historic diesel releases.

- f. Discussed TPH, TRX proposes to eliminate. NDEP noted that this does not consider the historic data in the vicinity of the diesel tanks. TRX to review.
5. Discussed table 5-21A (GW)
 - a. No analytes were removed.
6. Discussed background analyses.
 - a. TRX to revised histograms to separate upgradient from background data.
 - b. Histograms and background statistics show that arsenic is above background in a small subset of locations (the remainder are consistent with background) and radium is not above background.
7. Discussed Table EA-9 and EA-9 figure, this is a table that evaluates data for EA 9.
 - a. Table presents all results that are higher than the direct contact level.
 - b. Table does not address leaching.
 - c. Noted that asbestos will be evaluated versus a construction worker scenario. It was noted that this is more conservative than the chronic industrial worker scenario.
 - d. This table shows that the driver chemicals appears to be arsenic, perchlorate and asbestos.
 - e. Soil gas samples will be located next to selected buildings to address exposure issues as well as next to the two wells sampled in this EA.
 - f. It was noted that GW will be evaluated on a site-wide basis not on an EA basis.
 - g. TRX noted that samples were located to develop a representative EPC (scattered throughout the EA).
 - h. NDEP noted that this does not address the need to identify the location and extent of the source areas.
 - i. TRX does not think this is necessary at this stage.
 - ii. NDEP noted that it is necessary to make remedial decisions and that leaching data is also necessary.
 - iii. TRX noted that additional sampling may occur in the future to address these issues, i.e., where a constituent is identified for a remedy, sampling can be done as part of the remedial action plan to identify the extent of the area to be addressed by the remedy.
8. TRX noted that the leaching pathway will be addressed in the report and that they have not completed this analysis yet. It is expected that this may be discussed on the conference call scheduled for July 13, 2007 at 11:00 AM Pacific.
9. For future Phase B Site Investigation work, TRX is proposing to not report individual analytes within a suite that are not identified as drivers in the Phase A results. For example, VOCs such as chloroform and benzene would be reported, but other VOCs which were either not detected or were found at levels below 0.1 times the PRGs would not be reported by the labs. This would reduce costs for data validation and database management. NDEP does not agree and will review internally.
10. Discussed Phase II investigation for redevelopment areas.
 - a. TRX to provide BRC with Tables 5-20A and 5-21A as well as all of the data from the Site and a Site map.