

Meeting Minutes

Project: Tronox (TRX)
Location: NDEP – Las Vegas
Time and Date: 9:00 AM, September 14, 2006
Meeting Number: ---
In Attendance: NDEP-BCA – Brian Rakvica, Shannon Harbour, Todd Croft
Tronox – Keith Bailey, Susan Crowley, and Tom Reed (via phone)
ENSR – Dave Gerry (via phone) and Ed Krish

CC: Jim Najima

1. The meeting was held to discuss the consolidation and simplification of the reporting requirements for the perchlorate and chromium remedial systems.
2. Discussed the NDEP's June 13, 2006 letter to TRX which contained a number of comments and suggestions regarding the report format.
3. It was noted that TRX should include hard copies of figures and tables for select wells and include the remainder of the information on disk. Likewise, if it is more practical to only present ~5 quarters of data on a table and provide the remainder on disk, this is acceptable. TRX also noted that the disk will contain all parts of the database used in development of the report.
4. Discussed quarterly reporting and sampling.
 - a. TRX to develop a list of "key" wells to be sampled on a quarterly basis. TRX acknowledged that where possible the ECA sampling may supplant the performance monitoring sampling.
 - b. It was agreed that this reporting would only be for perchlorate. Chromium data may be collected but it would only be presented in the annual report.
5. Discussed annual reporting and sampling.
 - a. TRX proposed that this event would cover a much broader suite of wells.
 - b. TRX noted that the current annual report is delayed due to lack of data from outside parties. NDEP to follow up with outside parties.
 - c. TRX to develop a "monitoring plan" regarding the quarterly and annual sampling.
6. Discussed performance monitoring.
 - a. NDEP noted that to date performance monitoring has not been sufficiently definitive as to provide the NDEP with confidence in the capture efficiency. NDEP suggested that TRX explore other forms of modeling to demonstrate capture.
 - b. It was suggested that TRX develop an approach and provide it to the NDEP for review. TRX will develop an email that explains the approach. NDEP will review and provide comments or concurrence.
 - c. NDEP noted that the demonstration of capture will allow for the quarterly performance monitoring to be scaled back.
 - d. NDEP expects 95% capture to be demonstrated at the Athens Road Well Field (ARW).

- e. NDEP noted that a specified percent capture is not expected on-site, however, a more definitive understanding is necessary.
7. Discussed sampling methodologies.
- a. TRX noted that they believe that bailing mixed with traditional purge/sampling techniques should be acceptable for the performance monitoring data.
 - b. TRX is formulating this position as part of the upgradient report.
 - c. NDEP to review when submitted.
 - d. NDEP suggested that low-flow sampling may result in a time savings during sampling, depending on the depth of the well. NDEP also noted that dedicated low flow sampling devices are not necessary and that a portable unit could be used.
8. General and miscellaneous comments.
- a. Statements must be supported by the data.
 - b. TRX confirmed that they assume that all chromium in ground water is hexavalent. This will be clarified in future reporting.
 - c. TRX inquired if it would be okay to pump water from on-site into GW-11. NDEP does not see a problem with this.
 - d. Discussed historic data and data sharing. Noted that it will be necessary to some how flag data in the data base in terms of available QC information and validation status.