

## Meeting Minutes

**Project:** Tronox (TRX)  
**Location:** WebEx Meeting  
**Time and Date:** 12:30 PM Tuesday, January 4, 2011  
**In Attendance:** NDEP – Shannon Harbour, Greg Lovato, William Knight  
MGA – Brian Rakvica (for NDEP)  
NV Environmental Response Trust (Trust) – Jay Steinberg, Andy Steinberg  
Environ – Allan DeLorme, Mark Travers, Dawn Cica, Dave Hideloff (for Trust)  
USEPA – Steve Tyahla  
TRX – Matt Paque, Roy Widmann, Gary Barton  
Kirkland and Ellis – Jeanne Cohn-Conner (for TRX)  
Northgate – Deni Chambers, Derrick Willis, Ted Splitter, Alan Leavitt, Jim Hampton, Keith Bailey, Susan Crowley (for TRX)  
Chartis – Ken Baker, Julie Diebenow, Dave Sadoff, Chris Hempel

CC: Jim Najima, Bill Frey

1. The meeting was held to discuss the status of excavation at the TRX Site. Northgate showed Figures of each remediation zone containing the excavation and backfill status of each excavation polygon. Each polygon was labeled for excavation status as related to design excavation depth and whether visually impacted soil was still present (complete, in progress, or not started), backfill status (complete, in progress, not started, not planned), and whether visually impacted soil beyond the original excavation limits was discovered.
2. As Northgate will provide the Figures used during this WebEx meeting, these minutes will focus on the main points and action items from this meeting.
3. PRP Lines Area – the following was discussed:
  - a. Northgate stated that in general the polygons in the vicinity of the Ponds were backfilled 2-feet lower than the original grade.
  - b. Northgate has contacted the original designer of the pipeline (PBS&J) and received a response that excavation can safely encroach up to 2 feet from the lines if the lines are inactive.
  - c. Northgate stated that Las Vegas Paving has estimated that the additional excavation of the polygons containing the PRP lines should take approximately 7 days; however, the final design has yet to be finalized.
  - d. NDEP and Northgate discussed diversion of the remediation water to the GW-11 pond. Northgate indicated that the GW-11 pond is approximately at 10% capacity and that a week shut down would approximately double the volume contained within GW-11. The line bringing water up from the Athens and Seep well fields, however, cannot be shut down without impacting groundwater capture.
  - e. Northgate indicated that they should have a design plan for this excavation by the end of this week.
4. Stormwater management, the following was discussed:
  - a. Northgate stated that an unlined retention basin is planned for the NW corner of RZ-D and that the final grade will remain at 10-feet below the original grade.

- b. NDEP requested that Northgate check the leaching potential of this area as well as provide an update to NDEP whether the data in this area is still sufficient to support a risk assessment.
  - c. NDEP noted reports of several leaks on-Site specifically in the area near RZ-D-27 and RZ-C-45 as well as others. NDEP provided a field report via e-mail during the meeting for TRX to review. TRX will review and advise (ACTION ITEM).
  - d. Northgate noted that the leak near RZ-D-27 was located outside of the excavation limits. Additionally, the leak of stabilized Lake Mead water in RZ-C-45B has been repaired.
  - e. Northgate stated that no hydrological study has been conducted for the Site final grading plan for the Site and that individual areas/polygons have not been specifically evaluated. Additionally, the Site has many unlined inactive ponds and other topographical features which have captured rainfall for many years and which are expected to remain following implementation of the grading plan.
5. Areas receiving backfill versus not receiving backfill were discussed. Northgate stated that with excavations greater than 5' would be backfilled unless they were being used retention basin purposes.
  6. Northgate noted that the excavations south of Units 4 and 5 delayed until 9<sup>th</sup> Street could be re-opened.
  7. Northgate stated that excavation of the perchlorate only polygons in northern RZ-C should take approximately 3 weeks to complete if no unforeseen problems arise.
  8. Northgate stated that asbestos abatement of the previously undocumented lines have slowed excavation in RZ-C.
  9. Northgate confirmed that excavation and backfill activities are expected to continue into March 2011.
  10. DVSRs – the following was discussed:
    - a. NDEP requested that an update on the status of the DVSRs.
    - b. Northgate stated that most of the data validation has been completed and the summary tables and reports need to be prepared.
    - c. NDEP requested that Northgate submit DVSRs by the currently anticipated effective date of the settlement agreement. This will involve Northgate submitting two DVSRs; one for data collected up to November 12, 2010 and a second DVSR for post-excavation samples collected after November 12, 2010. Northgate indicated that the DVSR could not be submitted by the effective date; however, they anticipate that the data validation summary tables could.
    - d. Northgate indicated that data packages for RZ-D and RZ-B have been submitted to NDEP that contain both the original pre-confirmation validated data and the subsequent step-out/step-in un-validated data.
    - e. NDEP asked that Northgate submit whatever data could be submitted in a DVSR by the Effective Date.
  11. Work prioritization: the following was discussed:
    - a. NDEP urged that in light of the additional characterization and potential bidding process for the asbestos discovered in RZ-E, TRX should consider prioritizing RZ-C excavation over RZ-E by moving equipment in RZ-E to RZ-C. NDEP stated that this would help address NDEP's requirement of "pending adequate

progress" in the January 4, 2011 letter regarding extension of the December 14, 2009 FOAV and Order deadline for demonstration of source control.

- b. Northgate indicated that the asbestos removal in RZ-E by Las Vegas Paving has been approved by Chartis and doesn't present a delay to the schedule.
- c. NDEP additionally suggested resuming night shifts as it was noted that it has been some time since regular night shifts have been conducted. Northgate indicated that NDEP will be informed as soon as Las Vegas Paving can resume night excavation.

done?  
yes

12. Action Items:

- a. Northgate will provide electronic copies of the Figures to the meeting attendees via Leapfile. Additionally, hard copies of the Figures will be sent to NDEP.
- b. NDEP will send an email to TRX and Northgate requesting additional information for the evaluation of excavation completion.
- c. Kirkland & Ellis will provide Trust with contact information for Navy reimbursement.
- d. Kirkland & Ellis to follow up with Trust to provide dioxins/furans forensic data collection and analysis previously conducted by TRX,
- e. TRX/Northgate will provide NDEP and update on the status of the response to the numerous leaks occurring on-Site.
- f. Northgate will advise NDEP and MGA the timing for the commencement of night work.
- g. Northgate will provide NDEP an update for the pre-Effective Date submittal of the data validation summary tables for the Site.
- h. Northgate will advise NDEP whether the current dataset in the vicinity of any retention basins will support a risk assessment (specifically, whether the remaining data still represent the top ten feet of the final grade) and have been assessed for leaching potential.
- i. MGA to provide a copy of January 3, 2011 daily report containing the references to leaks on-Site.
- j. NDEP will request that Northgate provide a breakdown of the relative completeness of the project by a variety of metrics.

? Dennick  
yes  
? Dennick  
? Dennick  
Renel