H. Lowry Tribble, Jr., P.E.
William F. Hodges, P.E.
W. Michael Stubbs, P.E.
R. Brant Lane, P.E.
Clint L. Courson, CHMM
K. Matthew Cheek, P.E.
Daniel E. Cheek, P.E.

HHNT

Hodges, Harbin, Newberry & Tribble, Inc.

Consulting Engineers

Nathan D. Dunn, P.E.
Kevin G. Berry, P.E.

Received 9/10/2012
DIN 17209 JM
NCDENR-Mooresville Reg. Office, By Email

MEMO

TO: **All Meeting Attendees**

FROM: **H. Lowry Tribble, Jr., P.E.** HLT

DATE: **September 10, 2012**

SUBJECT: **Charlotte Motor Speedway Landfill V**
Meeting Minutes
HHNT Project No. 6703-455-01

Enclosed are the minutes from our meeting on August 28, 2012 in your office. Please note that after review by all meeting attendees, no comments were received.

Should you have any questions, please call.

HLTjr./dk

Enclosure

3920 Arkwright Road, Suite 101 • Macon, Georgia 31210 • (478) 743-7175 • Fax (478) 743-1703 • www.hhnt.com

CHARLOTTE MOTOR SPEEDWAY LANDFILL V
2012 FACILITY PLAN MODIFICATION
MEETING MINUTES

August 28, 2012
10:30 AM
Location: Conference Room of NCDENR Mooresville Regional Office

ATTENDING:

NAME	FIRM	EMAIL
John Murray, P.E.	NCDENR	john.murray@ncdenr.gov
Mike Gurley	Republic Services	mgurley@republicservices.com
Bart Keller	Republic Services	tkeller@republicservices.com
Lowry Tribble, P.E.	HHNT	ltribble@hhnt.com
Matt Cheek, P.E.	HHNT	mcheek@hhnt.com

Also copied, but not in attendance:

Ed Mussler III, P.E.	NCDENR	ed.mussler@ncdenr.gov
Brian Wooton	NCDENR	brian.wootton@ncmail.net
Hank Ludwig, P.E.	Republic Services	hludwig@republicservices.com

SUMMARY OF ITEMS DISCUSSED:

1. Mr. Murray confirmed that NCDENR intends to issue a new Permit to Construct (PTC) once final approval of the Facility Plan Modification is granted. The new PTC will be for 5 years from the date of issuance.

2. Once the new PTC is issued, the new airspace on top of the existing constructed landfill cells will be available for the site's use. Mr. Murray requested that the Owner notify NCDENR approximately 90 days prior to relocating the waste filling operation back on top of the constructed footprint. The Facility Plan will be updated to show this revised filling sequence.

3. The invoice for $30,000.00 has been paid by the Owner. With this fee and subsequent PTC, the Applicant will also receive one Permit to Operate (PTO) for no additional charge, the next time that permit needs to be reissued. The current PTO was issued on May 4, 2011 for the operational approval of Cell No. 2I and will expire on May 4, 2016. As specified in the PTO, no later than October 5, 2015, the owner shall submit a request to the Section for permit review.

4. A review of the draft 5-year filling sequence drawing was performed at our meeting. This plan sheet, showed the estimated area of filling that will be required to provide approximately 5 years of airspace during the new PTC term.

5. Mr. Murray inquired about the LFG collection system header piping in the area of Cells 1A & 1B where additional waste filling is proposed during the next 5 years. Mr. Gurley indicated that the header lines in that area of the landfill have already been relocated around the perimeter of these cells. Mr. Gurley noted that the existing LFG wells and lateral piping will be extended and/or replaced in the area of additional waste filling as needed during waste placement.

6. Mr. Murray inquired as to how the revised closure limit was determined and a discussion of the process, including survey & field verification was reviewed.

7. Mr. Murray generally concurred with the proposed filling sequence, which showed continued filling in Cell 2I up to final grade and then filling operations beginning in Cell 1A and continuing south into Cells 2C & 2D.

8. Mr. Murray requested that all necessary sheets in the Facility Plans be updated, as well as the necessary sections of the Narrative document, and that a complete application be re-submitted for his review with all comments from this meeting addressed. He also requested that a copy be sent to Mr. Brian Wooton, the Section's Hydrogeologist for this project.

9. Mr. Murray requested that we verify that the assumed waste density used in the Evaluation of Loading and Settlement on the HDPE Leachate Collection Pipe be consistent with the waste density reported in the Facility's Annual Report. The annual report lists this as 1880 lbs/CY.

10. Mr. Murray noted that the final grades in the modified plans were at a slope of 3H:1V and asked about the stability analysis. Mr. Cheek indicated that the Final Cover System Tension Analysis and the Final Cover System Stability Analysis that was prepared by Almes & Associates and submitted as part of the Permit Modification Application, CMS Landfill – V, Lateral Expansion Cells 2F, 2G, and 2H, dated May 2004 had been included with this recent application. The analyses have been previously reviewed and approved by NCDENR. Therefore, no additional stability analysis will be required.

11. Mr. Gurley confirmed that prior to NCDENR's approval of the 2004 Major Modification, all local approvals, including public notices and hearings, were completed.

12. Mr. Murray asked if a line of site evaluation had been completed, but noted that one is not required. Mr. Cheek indicated that a line of site evaluation has not been completed. Mr. Keller noted that he meets with the local Neighborhood Associations on the first Thursday of each month, and that they are well aware of the plans to modify the Facility. Mr. Murray was okay with this approach.

13. Mr. Murray requested that all settlement and groundwater separation demonstrations be submitted to Mr. Wooton for review and sign-off.

14. Mr. Murray requested that the Annual Report be updated to reflect the new total site volume, the total tons of waste received at the site since the site began operation, the gross airspace constructed, and current waste density, based on the pending application. These volume & tonnage estimates will be calculated and submitted pending approval of the application currently under review.

15. Mr. Murray asked if a certified copy of the Facility's permit has been recorded in the Cabarrus County Register of Deeds office. Mr. Gurley will confirm that this was previously completed. Mr. Murray noted that if it hasn't, recordation of the new PTC will be required.

16. Mr. Murray noted that no revisions to the current Phase 3 Permit to Construct Application were necessary at this time. He noted that the new PTC will remove Cells No. 2J, 2K, & 2M which were previously approved for construction and currently part of Phase 3. Prior to construction of these cells, the Owner will need to resubmit the design information for these cells as part of a Permit to Construct Application for the subsequent Phase.

17. Mr. Murray indicated that his review of the application is not complete.

Meeting adjourned.