ADDENDUM 1

Volume Calculation Package Addendum
Beech and Bonaparte
engineering p.c.

an affiliate of Geosyntec Consultants

CALCULATION PACKAGE COVER SHEET

Client: Honeywell  Project: Onondaga Lake SCA Final Cover Design  Project/Proposal #: GD5497

TITLE OF COMPUTATIONS

VOLUME CALCULATION PACKAGE ADDENDUM

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APPROVAL NOTES:

REVISIONS (Number and initial all revisions)

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VOLUME CALCULATION PACKAGE ADDENDUM

The purpose of this addendum is to update the proposed SCA final cover system originally presented in the NYSDEC approved calculation package titled “Volume Calculations for SCA Final Cover Design” [Beech and Bonaparte, 2015], referred to herein as the Volume Package.

The Volume Package had indicated that the geocomposite drainage layer would only be used on the side slopes of the main deck. This addendum clarifies that the geocomposite drainage layer will be installed over the entire SCA cover area (i.e., top deck, main deck, and side slopes of both decks). Additionally, a geotextile cushion layer will be installed over the entire leveling layer surface. Therefore, Figures 1A and 1B, as shown below, have been updated to show that the SCA final cover system consists of the following layers:

- Leveling layer consisting of soil fill, with variable thickness as needed to establish design grades;
- Geotextile cushion layer;
- Linear low-density polyethylene (LLDPE) geomembrane;
- Geocomposite drainage layer;
- 18-inch thick protective soil layer; and
- 6-inch thick vegetative soil layer.

This clarification does not impact the soil volume calculations presented in the Volume Package.
REFERENCES

Figures
Figure 1A: SCA Final Cover for Gently Sloping Areas on the Top and Main Decks

Figure 1B: SCA Final Cover for Top and Main Deck Side Slopes