



ENGINEERING & ENVIRONMENTAL SERVICES

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October 26, 2022

Scott Wrecking Company, Inc.
Attention: Mrs. Joyce Scott
5336 Ebright Road
Canal Winchester, Ohio 43110

Re: Report No. 206584-1022-221, 2023
License Modification Application for
Exemption from 4:1 Final Grades for
Scott Wrecking C&DD Landfill, 1489
Harmon Avenue, Columbus, Ohio

Mrs. Scott:

Enclosed is the 2023 License Modification Application for the Scott Wrecking C&D Landfill. The 2023 License Modification Application includes a vertical expansion and exemption to OAC 3745-400-07(G)(2)(a)(iv) for the maximum slope of four horizontal to one vertical (4:1) for the C&DD Contours and standard cap system. The requested exemption from 4:1 slopes to 3:1 slopes is limited to portions of the facility with a two foot recompacted soil liner with a leachate collections system and two foot cohesive soil barrier layer with a leachate drainage layer.

The purpose of the vertical expansion and slope exemption request is to increase the disposal capacity and life of the Scott Wrecking C&DD Landfill. The height of the landfill will increase by 45 feet and the resulting increase in airspace is 3.3 million cubic yards. The additional gate yards based on a compaction ratio of 2.7:1 is 8.9 million cubic yards of incoming debris. The estimated life of the C&DD landfill will be extended by about 8 years.

One of the key benefits to the proposed modification is the social and economic benefits to the City of Columbus and surrounding communities. The City of Columbus is the 11th fastest growing city and the No. 1 real estate market in the United States. Franklin County has two C&DD landfills that provide economical disposal for construction debris and demolition debris to support the growth and economic development of the community. Franklin County has one solid waste landfill, SWACO. The two existing C&DD landfills help to prolong the life of SWACO by providing inexpensive disposal alternatives for construction and demolition debris material. The approval of the Scott Wrecking C&DD landfill vertical expansion and 3:1 slope exemption would provide for an additional 8.9 million cubic yards of incoming debris disposal over a period of about 8 years.

Scott Wrecking is required by the Ohio Administrative Code to pay \$0.80 per cubic yard of incoming material. The vertical expansion and 3:1 slope exemption would result in additional fees of \$7.13 million dollars to be paid to the local health departments (Columbus Public Health and Franklin County Board of Health), Ohio EPA and local municipalities.

The vertical expansion and 3:1 slope exemption is supported by conservative slope stability analyses and soil erosion calculations contained in Tab 6. The minimum factors of safety recommended by the Ohio EPA for Ohio Waste containment facilities are 1.5 for long term static conditions and 1.0 for seismic conditions. The minimum long term static factor of safety from the conservative slope stability analyses contained in Tab 6 is 1.91 and 1.38 for seismic conditions. The proposed vertical expansion and 3:1 slope exemption exceeds the recommended factors of safety criteria. The soil erosion calculations contained in Tab 6 demonstrate the vertical expansion and 3:1 exemption request complies with OAC 3745-400-07(G)(3) erosion rate is less than 5 tons per acre per year.

The license modification application and exemption request includes the following items:

- Tab 1: License Application and PE Certification
- Tab 4: Revised Sections and Profiles
- Tab 6: Volume and Life Calculations (for portion of landfill within Franklin Township and portion of landfill in the City of Columbus), C&DD Contour Plan, and Final Contour Plan, Soil Erosion calculations and Slope Stability calculations,
- Tab 9: Updated Applicable Phase drawings, Updated Surface Water Management Plan

The attached license application package includes two versions of the Volume and Life Calculations, Tab 11 and Tab 12; one version is specific to the application to Columbus Public Health and the other is specific to the application for Franklin County Board of Health.

Prior to submitting the License Expansion Application to Franklin County Board of Health and to Columbus Public Health, you need to sign the Certification sheet in Tab 1 of each copy of the application. We have flagged these pages for your convenience.

You will need to submit two copies of the completed license application to Franklin County Board of Health at the following address:

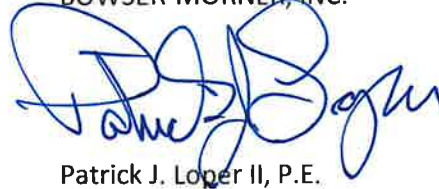
Franklin County Board of Health
280 East Broad Street
Columbus, Ohio 43215-4562
Attn: Mr. Jeff Groce

And you will need to submit two copies of the completed license application to Columbus Public Health at the following address:

Columbus Public Health
240 Parsons Avenue
Columbus, Ohio 43215-5331
Attn: Ms. Sara Badenhop

If you have any questions, please contact us at (937) 236-8805.

Respectfully submitted,
BOWSER-MORNER, INC.



Patrick J. Loper II, P.E.
Vice President & Director
Engineering & Environmental Services Division

PJL/an
6-Client
3-File