Connecticut Department of
ENERGY &
ENVIRONMENTAL
PROTECTION

79 Elm Street • Hartford, CT 06106-5127 www.ct.gov/deep Affirmative Action/Equal Opportunity Employer

Joseph Michelangelo, P.E.
Director of Public Works
Town of Fairfield
725 Old Post Road
Fairfield, CT 06824

September 26, 2018

REQUEST FOR ADDITIONAL INFORMATION

Re: Town of Fairfield
Closw-e Unpennitted Landfill
Facility Address: Richard White Way, Fairfield, CT
Application No. 201805776, received April 12, 2018 ("Application")

Dear Mr. Michelangelo:

Waste Engineering and Enforcement Division staff have completed a review of the application materials (ApplicationNo. 201805776) submitted to the Department on April 12, 2018 by the Town of Fairfield (the Town) for the closure of a historic unpennitted solid waste disposal area (landfill) located at Richard White Way in Fairfield, Connecticut. Several issues have been identified which require clarification. Please review the following comments and provide written responses to address or clarify the issues outlined below.

Attachment K; Facility Plan "Site Plan"

1. The engineering drawings provided have only been furnished on 8W' by 11" paper. Given the size of the plans offered, it is not possible to evaluate certain details that must be provided on site plans. Please provide copies of the supplied engineering drawing (i.e., Drawing A-1 *Landfill Closure Site Improvements and Sampling Locations,* dated July 30, 2017) that depict site views printed on ' D-size' format paper (i.e. 22" x 34" plots), i.e. full-size drawings. Additionally, please provide engineering drawing(s) on full-size drawings that include the following: (i) the limits of the disposal area which should be clearly delineated and labeled, including the location of any test pits, bore holes, etc. that were excavated to confirm said limits; (ii) cross sections through the site, a minimum of one parallel and one perpendicular to groundwater flow depicting existing, site preparation and proposed final grades; (iii) details on proposed sedimentation and erosion controls; (iv) cross section and construction details of site access road; and (v) a distinct drawing that clearly depicts existing grades and proposed final grades. *Please remember that the engineering drawings including any revised engineering drawing must be signed and stamped by a licensed professional engineer.* The site plan must be drawn at a scale appropriate to the setting an.cl must show a clearly labeled, detailed presentation of aft-significant features of the proposed project and within a 500 foot radius of the Facility.

Berm Wall ·Configuration

2. Did the Town of Fairfield "the Town" complete a geotechnical investigation to evaluate the properties of the subsurface materials at the site relative to the loading conditions imposed by the construction of the benn? Please provide details of the following:

   a. Site and subsurface conditions. The quality of soil such as analysis regarding test pits, test borings, surveys, geotechnical laboratory testing of the impacted soils, slope stability analyses including that of potential soil settlement and associated calculations thereof;
   b. Berm design. What is the configurat ion (i.e., height, length, volume of material, etc.) of the berm? Please provide information regarding the types of materials used in the construction of the berm and analytical results of representative samples of said materials demonstrating that they meet the definition of"clean fill" as defined in Section 22a-209-l of the Regulations of Connecticut State Agencies (RCSA).
   Please describe the geometric configurations and requirements and related calculations that were determined for construction of the berm wall, since varying soil zones in the area can influence its design. Includein your discussion the materials that ";ere included in the making of the berm, foundation, backfill, slope stability, shear strength parameters, etc. and the sedimentation and erosion controls employed to control runoff.
   c. Community Outreach. Prior to implementation of the berm wall, was there any local community outreach seeking input from nearby residents?

Capping of the landfill

3. The application package includes Attachment M - *Checklist for Solid Waste Disposal Areas (Landfills).* Review staff were not able to find the requisite plan for the closure of the solid waste disposal area as outlined in Condition No. 14 of the referenced checklist. *Please provide a plan for the closure of the solid waste disposal area which includes but is not limited to provisions for the grading of slopes, placement of final cover, and stabilization with soils and vegetation to minimize erosion, rim-off and in.filtration in accordance with the applicable requirements of Section 22a-209 of the RCSA.*

4. Has the Town evaluated how the capping will be graded? Sec. 22a-209-7 of the RCSA indicatesa top slope no greater than four (4) percent and side slopes not to exceed a grade of one (I) on three (3), one vertical on three horizontal, unless otherwise approved as requested. Additionally, the Town will need to comply with the followingrequirements:

   a. Protection of ground water monitoring. Where will the monitoring wells be installed to observe any change in groundwater quality?
   b. Cover Material. Please describe the cover material, whether it be soil (silty gravels, clayey gravels, silty sands, etc.) or some varying synthetic material to be used as final cover.

The Department requires the submittal of the above referenced information within thirty (30) calendar days from the date of this letter. Failure to do so may result in the denial of the application. If you require additional time to submit the above referenced information, a written request shall be submitted to the Department justifying the reason(s) for such an extension no later than ten days prior to the scheduled deadline.

Nothing in this letter shall preclude the Department from requiring that additional information be submitted to complete the application. If you have any questions or comments regarding this matter, or would like to meet or conference call on the comments, please do not hesitate to contact Olimpia Brucato of my staff at (860) 424-3906 or via e-mail at Olimpia.Brucato@ct.go .

Sincerely,

F nk 1 liardo, Supervising Environmental Analyst
W ste Eng,· eering and Enforcement Division
Bureau of Materials Management and Compliance Assurance

cc: Robert Grabarek, P.E., Osprey Environmental Engineering, 146 East Main Street, Cliriton, CT 06413