

December 11, 2020

Northeast Maryland Waste Disposal Authority  
Tower II - Suite 402  
100 South Charles Street  
Baltimore, MD 21201-2705

Attn: Andrew Kays

**Reference: Engineering, Procurement, Preparation, and Support Services for the Gude Landfill  
Remediation Project; Design Engineer Contract  
100% Design Submittal**

Dear Mr. Kays,

EA Engineering, Science, and Technology, Inc., PBC (EA) is pleased to submit the 100% Design for the Gude Landfill Remediation Project. The submittal includes the following components as required in the contract:

- Drawings
- Basis of Design (BOD) Report
- Project Manual (technical specifications)
- Engineer's Estimate of Probable Construction Costs
- Engineer's Opinion of Remediation Schedule (included in BOD Report)
- Post-Closure Care Plan (included in BOD Report)
- Response to 90% Design Comments

Below is a general description of key information for each design component that will help guide your review. We are providing this information to optimize your review effort and obtain feedback on design elements developed to this 100% stage and to identify elements which require clarification. Please provide any feedback on the overall content and type of information presented to guide a final revision.

Drawings

- The design submittal presents the design in subsets, which include existing conditions, initial erosion and sediment control, demolition and regraded waste, subgrade grading, final erosion and sediment control, final grading, landfill gas management, geometry, and construction phasing.
- The 100% onsite passive land use design prepared by Floura Teeter Landscape Architects has been incorporated into the Contract Drawings prepared by EA.



Basis of Design (BOD) Report

- The BOD Report includes descriptions of each element of the project.
- The Permitting Compliance Report will be updated following receipt of permit approvals.

Project Manual

- Based on review of the draft construction contract, which was developed by the Authority, EA anticipates preparing Supplementary Conditions following submittal of the 100% Design.

Engineer's Estimate of Probable Construction Costs

- The estimate is based on the 100% Design. Escalation is included to the anticipated mid-point of construction.

Engineer's Opinion of Remediation Schedule (included in BOD Report)

- The schedule is intended to provide an overall sense of possible construction duration. Actual detailed workflows may vary from this generalized schedule.
- The schedule does not explicitly show winter shutdown periods, but some work will be difficult during winter months and shutdowns should be considered in future discussions regarding contracting.
- An experienced and efficient contractor may be able to accelerate this schedule by applying more resources and overlapping tasks more aggressively than was estimated for this schedule.

Post-Closure Care Plan (included in BOD Report)

- Additional content was added to the Post-Closure Care Plan.

EA is planning to perform a site visit to review the 100% Design and look at several key areas of the site to identify any potential design refinements to clarify requirements or improve constructability.



*Mr. Andrew Kays  
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We anticipate comments on this design submittal and expect an additional submittal to finalize the contract documents for procurement. If you have questions, please contact me at 410-329-5135.

Respectfully yours,  
EA Engineering, Science, and Technology, Inc., PBC

A handwritten signature in blue ink, appearing to read 'Mark J. Gutberlet', is positioned below the typed name. The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Mark J. Gutberlet, P.E., BCEE  
Project Manager

Cc: Willie Wainer  
Jeffrey Camera  
Jamie Foster  
Stephen T. Lezinski, BCES  
Laura Oakes, P.E., BCEE  
Kerry Feuz, P.E.