

Date: May 8, 2020

To: Owners and Operators of Solid Waste Landfills

From: Solid Waste Permits Section, Bureau of Waste Management

Re: **Update and Guidance for Estimating Costs for the July 1, 2020 – June 30, 2021 Permit Renewal Period**

If your permit has more than one landfill type, please complete and submit the appropriate worksheet for each type. Do not combine the cost estimates of different landfills into one cost estimate worksheet. The Bureau web site provides blank worksheets and worksheets with updated representative unit costs. The Excel spreadsheet forms and instructions are available on the BWM website at https://www.kdheks.gov/waste/forms_swclosurecosts.html. Please do not change the date of revision located in the lower left-hand corner of all worksheets. Along with the worksheets, all 18 Subtitle D MSWLFs need to provide an updated area-capacity table and an updated site drawing that delineates and labels all areas that have been accepted by KDHE as being certified closed since the past permit renewal. The site drawing should delineate and label all the areas (in units of acres) that 1) have final cover, 2) are under intermediate cover, 3) are active areas that have CQA approval and 4) future areas that have not been constructed and authorized for disposal by KDHE. It is suggested that all other types of landfills provide similar site drawing information. If this is done, it will help expedite the KDHE permit review and renewal process.

Quantity Estimates and Post-Closure Care (PCC) Policy

- Provide a sound basis for quantity estimates and show your calculations for applicable items along with representative (3rd party) unit costs; you may need to present this on a separate sheet. If updated design drawings and/or partial landfill closure information are required to determine specific items quantities, a PE's cost estimating knowledge and experience may be needed to help you properly complete your estimate.
- For landfills that require environmental monitoring during post-closure care, the PCC cost estimate must be calculated using 30 years, then drop each year until 20 years. BWM Policy 2014-P1 addresses this methodology used for calculating cost estimates. At this time, a rolling 20 will be required until a demonstration can be made that landfill conditions are moving toward either equilibrium or stabilization. These requirements are stated in policy 2014-P2 and in Technical Guidance Document, SW-2014-G1, Preparation of PCC Reduction and/or Termination Plans. SW-2014-G1 provides guidance for developing a plan to determine when certain PCC activities at MSWLFs may be reduced and/or terminated. Please contact this office before developing a PCC Reduction / Termination Plan.

Unit Costs and Inflation Factor

- If you choose not to use the KDHE unit cost estimates provided for the common landfill items, you need to provide documentation/ references/ calculations to support different unit costs; e.g., invoices, written bids, or standard engineering construction pricing tables.
- If you are not providing the source of your unit costs, you must update the costs by using an **inflation factor of 1.8%** (this percentage represents the calculated inflation rate for the year ending **2019**). Please note that unit costs have been increased by 1.8% on the worksheets that shows common landfill unit cost factors.

Questions

- If you have questions related to the preparation of engineering cost estimates, please contact your respective landfill permit engineer/manager – Mike Selm, 785-296-0606; Charley Bowers, 620-860-7242; Will Fraundorfer, 785-291-3745; Joseph Hacker, 785-291-3746; or Heather Merritt, 785-296-5639.
- If you have questions regarding financial assurance matters, please contact Mandy Patek at 785-296-0680.