



State of Ohio Environmental Protection Agency

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P.O. Box 1049
Columbus, Ohio 43216-1049

Mr. Tony Furgiuele
Republic Services, Inc.
5131 Drinkle Road
Amanda, Ohio 43102

**Re: Pine Grove Regional Facility, Fairfield County
Revised Post-Closure Care Cost Estimate Approval**

Dear Mr. Furgiuele:

On January 24, 2005, the Ohio Environmental Protection Agency (Ohio EPA), Division of Solid and Infectious Waste Management (DSIWM), Central District Office (CDO) received a request from Republic Services, Inc. (Republic) to revise the post-closure care cost estimate for the Pine Grove Regional Facility.

This request, prepared by Mr. Mohammad Finy of Finy and Associates, provides justification for reducing the post-closure care cost estimate from \$4,722,637 to \$2,519,477. The existing estimate assumes a constant rate of leachate generation during the thirty (30) year post-closure care period and does not take into account the final cover on the landfill, which is designed to minimize leachate generation. The final cover system for this landfill incorporates thirty (30) inches of cover soil and vegetative layer, a drainage layer, a flexible membrane liner, and eighteen (18) inches of barrier soil.

Results of the Hydrologic Evaluation of Landfill Performance (HELP) model for this cover system predict that no leachate will be generated once the cap is constructed. However, since the model does not take into account the leachate released from the waste, Republic is predicting leachate production during the post-closure care period. Republic is predicting that the volume of leachate produced during the initial post-closure year will be 1,750,150 gallons. Republic further predicts that leachate production will be reduced by 75% each year for the subsequent three (3) years, then remain constant thereafter at a rate of 27,347 gallons/year for the rest of the thirty (30) year post-closure care period.

Based on the justification provided, Ohio EPA approves a reduction in the post-closure care cost estimate from \$4,722,637 to \$2,519,477 for the Pine Grove Regional Facility.

Bob Taft, Governor
Jennette Bradley, Lieutenant Governor
Joseph P. Koncelik, Director

Mr. Tony Furgiuele
Republic Services, Inc.
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You are hereby notified that this action of the Director of Ohio EPA (Director) is final and may be appealed to the Environmental Review Appeals Commission (Commission) pursuant to Ohio Revised Code (ORC) Section 3745.04. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director within three (3) days of filing with the Commission. An appeal may be filed with the Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street
Room 222
Columbus, OH 43215

If you have any questions or comments concerning this document, please contact Laura Parkinson of Ohio EPA, Central District Office at (614) 728-3889.

Sincerely,

Joseph P. Koncelik
Director

JPK/JS/sw

cc: Jennifer Valentine, Fairfield Department of Health
Fanny Haritos, DSIWM/CO
Mohammad Finy, Finy and Associates
Coshocton/Fairfeild/Licking/Perry Solid Waste Management District
Duane Snyder, DSIWM/CDO