



State of Ohio Environmental Protection Agency

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Mr. John Butler  
Rumpke Sanitary Landfill  
10795 Hughes Road  
Cincinnati, Ohio 45251

**Re: Rumpke Sanitary Landfill, Hamilton County  
Corrective Measures Plan - Selection of Corrective Measure**

Dear Mr. Butler:

On April 14, 2005, the Ohio Environmental Protection Agency (Ohio EPA), Southwest District Office (SWDO) received a corrective measures plan titled *Corrective Measures Plan HSW-1S, HSW-2I & HSW-4S Assessment Area (2005 CMP)* submitted by Eagon & Associates, Inc., on behalf of Rumpke Sanitary Landfill, Inc. (Rumpke), for the Rumpke Sanitary Landfill (Facility). The 2005 CMP was submitted pursuant to Ohio Administrative Code (OAC) Rule 3745-27-10(F).

The Facility's existing ground water corrective measures plan, which includes wells HSW-1S and HSW-1SA, was approved on June 12, 2001. Wells HSW-2I and HSW-4S were being used as detection monitoring wells. The 2001 ground water corrective measures plan states, "The need for additional corrective measures will be reevaluated if any Appendix II parameters not on the Appendix I list are detected or if one or more increasing trends are determined to be significant." In late 2003, sulfide was detected in well HSW-1S and dinoseb was detected in wells HSW-1S and HSW-1SA. Also, the upward trends of several inorganic parameters (mainly ammonia) at well HSW-1SA were determined to be significant. A statistically significant increase was subsequently reported for ammonia at well HSW-4S, which triggered a new assessment investigation downgradient of the HSW-1S corrective measures area.

In early 2004, Rumpke submitted an assessment plan and continued assessment monitoring. In July 2004, Rumpke discovered a stagnant pool of dark-colored liquid (later analyzed and determined to be leachate) along a bank of Banklick Creek. Rumpke immediately notified Ohio EPA, SWDO, and by mid-July, installed an interceptor trench between the assessment area and Banklick Creek. This interim measure has been effective in capturing leachate and preventing further migration. In October 2004, Rumpke submitted a First Determination of Rate and Extent report, and in April 2005, submitted the above noted 2005 CMP.

Ohio EPA has reviewed the 2005 CMP and has determined that it fulfills the requirements of OAC Rule 3745-27-10(F). Therefore, pursuant to OAC Rule 3745-27-10(F)(10), I hereby select the combination of "Alternative 1. Additional Source Control" and "Alternative 4. Continued Monitoring with Action Levels" as presented in the 2005 CMP as the corrective measures that are to be

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Jennette Bradley, Lieutenant Governor  
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implemented at the Facility. These corrective measures are to be implemented at the Facility in accordance with the following conditions:

### **CONDITIONS**

1. The owner or operator shall continue to maintain and monitor the previously installed interceptor trench in accordance with the 2005 CMP.
2. The owner or operator shall continue to perform the activities outlined in the two corrective measures plans currently in effect at the Facility and shall continue to implement the corrective measures selected from those two plans in accordance with the Director's letter issued on June 12, 2001.
3. Not later than one-hundred eighty (180) days after the effective date of this letter, the following additional source control measures shall be implemented in accordance with the 2005 CMP:
  - a. Leachate extraction wells shall be installed between East and West Buttress, between RW-10 and West Buttress, and between RW-9 and RW-10.
  - b. RW-3 shall be replaced.
  - c. A leachate head piezometer shall be placed between the above-referenced line of extraction wells and piezometer B-2 to monitor leachate levels downgradient of the extraction wells.

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 shall be filed with the Commission within thirty (30) days after notice of the action. Notice of the filing of the appeal shall be filed with the Director within three (3) days after the appeal is filed 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, Ohio 43215

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If you have any questions regarding this letter, please contact Holly Hillyer of Ohio EPA, SWDO at (937) 285-6072.

Sincerely,

Joseph P. Koncelik  
Director

JPK/HH/JS/sw

cc: Timothy Ingram, Hamilton County General Health District  
Scott Hester, DSIWM, CO  
Tracy Buchanan, DSIWM, SWDO