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State of New Mexico  
**ENVIRONMENT DEPARTMENT**  
Harold Runnels Building  
1190 St. Francis Drive, P.O. Box 26110  
Santa Fe, New Mexico 87502  
(505) 827-0169

GARY E. JOHNSON  
GOVERNOR

MARK E. WEIDLER  
SECRETARY

EDGAR T. THORNTON, III  
DEPUTY SECRETARY

**DATE:** March 11, 1996

**MEMORANDUM**

**TO:** Bob Sweeney, Hazardous Waste Bureau

**FROM:** Rich Stafford, Solid Waste Bureau

**SUBJECT:** Triassic Park liner and cover design  
HELP model review

The HELP model output files dated February 28, 1996 submitted by TerraMatrix in a report dated March, 1996 in fulfillment of the requirements for an alternate liner demonstration show a leakage rate of 0.008 cubic feet per year and 0.002 cubic feet per year for the bottom and the slope, respectively. The comparable values for the §264.301(c)(1)(i)(B) liner are 2.587 and 0.042. This satisfies the "alternative design" requirement of §264.301(b).

Attached are the final cover HELP model output files submitted by TerraMatrix on March 8 and 9. The copy received by the Solid Waste Bureau by FAX dated March 9 is modeled with (1) a minimum grade of 5%, (2) a maximum drainage distance of 1000 feet, and (3) poor grass. This cover shows an infiltration rate through the FML of 0.001 cubic feet per year. This is less than the percolation rate through the alternate liner, 0.008 cubic feet per year through the bottom and 0.002 on the slope, and thus meets the requirements of §264.310(5).

Please note these comments are restricted to the demonstrations required by §264 and do not specifically address the other design items we discussed last week. It is my understanding the Solid Waste Bureau has no further outstanding issues pertaining to the Triassic Park facility.

- xc: Dale Gandy, Gandy Marley, Inc.
- John J. Kendall, TerraMatrix
- Mark Weidler, NMED Secretary
- Pete Maggiore
- Ed Kelley
- Gerald Silva
- J. David Duran

attachments

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