

Whereas, there has been continuing controversy concerning Delta's proposed hazardous waste landfill and the suitability of the site of the proposed landfill (the site); and

Whereas, there has been continuing controversy surrounding the hydrogeological investigations to evaluate the site; and

Whereas, people opposing the location of the landfill have formed an organization known as Project: Landfill and have negotiated a License Agreement with representatives of Delta to obtain access to the site for the purpose of making certain tests; and

Whereas, License Agreement has not proven to be a satisfactory arrangement to either representatives of Project: Landfill or Delta; and

Whereas, it is in the public interest that interested persons have reasonable access to the site to make appropriate tests as provided in Subsection 12(f) of the Arkansas Hazardous Waste Management Code; and

Whereas, Delta has submitted to the Department on this date a plan outlining the hydrogeological investigations which it proposes in support of its application; and

Whereas, the hydrogeological investigations proposed by Delta are intended to demonstrate the ability of the site to provide containment for 1,000 years; and

Whereas, 1,000 years was proposed as a design objective in landfill siting criteria report prepared by Wright-Pierce for the Department; and

Whereas, the Commission held a public meeting on the Wright-Pierce report on December 3, 1981, to receive public comments; and

Whereas, no comments were received opposing the 1,000 years containment concept described in the Wright-Pierce report;

Now, therefore, be it resolved that the Commission hereby instructs the Director of the Department to authorize qualified representatives of Project: Landfill, as provided in Section 12(f) of the Code, to have access to the site for purposes of collecting such information as they desire; and ~~Director deems reasonable and appropriate; and~~

Be it further resolved by the Commission that it hereby notified all concerned of its preference to have agreement by the Department, Delta and Project: Landfill of a plan for conducting hydrogeological investigations at the site using attached design objectives; and

Be it further resolved by the Commission that it hereby instructs the Director to report in writing to the Commission prior to May 1, 1982, the terms of a plan for hydrogeological investigations which have been agreed upon and the terms which have not been agreed upon; said report should include the Director's recommendations and justifications for those recommendations.

COMMISSIONERS

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John P. Sauters  
CHAIRMAN

SUBMITTED BY Janell E. Sauters

DATE PASSED 3/26/82

## DESIGN OBJECTIVES

- (1) The hydraulic conductivity component of the time of travel equation includes the hydraulic conductivity of the recompacted clay liner, if one is proposed, as measured in the laboratory, as well as the hydraulic conductivities of the natural soils between the landfill and the property boundary, and between the landfill and the nearest aquifer capable of sustaining a yield in excess of 10 gallons per minute. ("aquifer");
  - (2) Unless the applicant can demonstrate that a shorter containment time provides an adequate margin of safety, the Commission will presume that the groundwater is adequately protected if the time of travel of contaminants from the landfill cell to the facility property boundary, or to the nearest aquifer, is demonstrated to be in excess of 1000 years;
  - (3) The contaminant concentration at the property boundary, and at the aquifer, must be less than or equal to background concentrations.
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