

## ATTACHMENT V-1

### DESIGN OF RUN-ON/RUN-OFF CONTROL BERMS

#### 1. PURPOSE

- a. The purpose of this Attachment is to provide criteria for the calculation of design parameters for the run-off control berms at the Permittee's facility to collect and control the water volume resulting from a 24-hour, 100-year storm event.

#### 2. DESIGN CRITERIA

- a. Data used for the calculation of the 24-hour, 100-year storm event shall be obtained from a regional meteorological database.
- b. The Mixed Waste Landfill run-off berm shall be constructed using current engineering methodology in accordance with Attachment II-9, *Construction QA/QC Manual*.
  - i. The run-off berm shall be constructed on top of the landfill liner, designed to contain run-off from the landfill, and shall allow water to filter through to the underlying HDPE liner and gather in the sump area for removal to the leachate evaporation tanks or Surface Impoundment.
- c. The run-on and run-off control berms shall be designed and constructed to contain the peak sheet flows and discharge expected from, at a minimum, a 24-hour, 100-year storm event in accordance with Attachment II-11, *Facility Drawings*.

END OF ATTACHMENT V-1