

**SECTION SECTION R**

**FINANCIAL RESPONSIBILITY REQUIREMENTS**

**SR.1 PROBABLE ESTIMATED COSTS**

An estimate of probable final closure costs was prepared based on having a contractor brought in to construct the final cover over the entire North and East Cell. The estimate assumes that the County will have placed the waste and the initial soil cover. The remaining closure costs would include site preparation, geomembrane, geocomposite drainage net, piping, grout filled fabric revetment, drainage facilities, and the gas management facilities. Protective soil cover, topsoil, and sod is included for areas to be closed with LLDPE. The costs also include survey, administrative, and engineering costs. Approximately ~~57~~<sup>90</sup> acres of the North and East Cell will be closed using LLDPE and soil cover. This closure method is expected to cost approximately ~~\$220,000~~<sup>\$160,000</sup> per acre based on values provided in the Financial Responsibility Closure & Long-Term Care Cost Estimates FY 2009. Approximately ~~33~~ acres of the North and East Cell will be closed using an exposed geomembrane cover. This method of closure is expected to cost approximately \$110,000 per acre. The estimate assumes that sufficient cover soil and topsoil is available on-site, and that the County will have this material stockpiled for use by the closure contractor.

The total expected closure cost is shown in Table SR-1.

**TABLE SR-1. ESTIMATE OF PROBABLE CLOSURE COST, AUGUST 31, 2006JULY 2010.**

<b>Closure Method</b>	<b>Acres</b>	<b>Cost per Acre</b>	<b>Closure Cost</b>
LLDPE with soil cover	<del>57</del> 90	\$220,000 \$160,000	\$12,540,000 \$14,440,000
Exposed geomembrane cover	33	\$200,000	\$6,600,000
<b>Total</b>	<b>90</b>	<b>-</b>	<b>\$19,140,000</b>

This estimate includes constructing final cover for the entire North and East Cell, even though portions of the East Cell have cell have not been constructed and no waste has been placed in the East Cell within portions of the constructed cell at the time of this application. The County intends to construct the final cover in phases, so that at the time of closure only a portion of the final cover would remain to be constructed.

Long-term care is expected to cost approximately \$2000 per acre per year. The long-term care cost for the entire 90 acres would be \$180,000 per year.

## **SR.2 ANNUAL COST ADJUSTMENTS**

Volusia County provides the FDEP with annual estimates of probable closure and long-term care, in accordance with Rule 62-701.630(4), FAC. The statement addresses closure and long-term care costs. ~~The eastern portion of the East Cell~~The North Cell Phase 2 Expansion Area has not yet been constructed and no waste has been placed in the recently constructed western portion of the North Cell Phase 1 Expansion Area, therefore, these areas are not included in the annual cost estimate adjustments.

Upon approval of this closure permit modification, the annual Financial Responsibility Closure and Long-Term Care Cost Estimates Report submitted in August of each year will be revised to reflect the annual cost adjustments based on the proposed modifications.

## **SR.3 FUNDING MECHANISMS**

The County has established an escrow account to provide funding for closure and long-term care.

## **R.4 FINANCIAL ASSURANCE DELAY**

The County has established an escrow account to provide funding for closure and long-term care. This section is not applicable to this application.