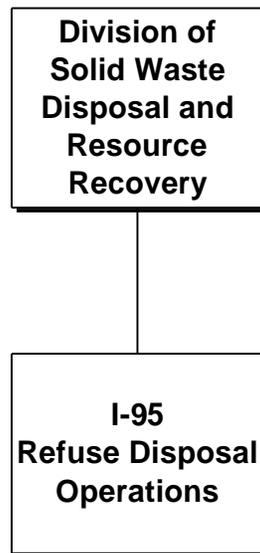


**DEPARTMENT OF PUBLIC WORKS
AND ENVIRONMENTAL SERVICES
SOLID WASTE MANAGEMENT**



FUND 114

I-95 REFUSE DISPOSAL

Agency Position Summary

37 Regular Positions / 37.0 Regular Staff Years

Position Detail Information

I-95 REFUSE DISPOSAL

2	Engineers III
2	Engineers II
2	Engineer Technicians III
4	Engineer Technicians II
2	Engineer Technicians I
1	Refuse Superintendent
3	Assistant Refuse Superintendents
2	Industrial Electricians II
8	Heavy Equipment Operators
1	Motor Equipment Operator
2	Weighmasters
1	Management Analyst I
1	Administrative Assistant II
6	Public Service Workers I
37	Positions
37.0	Staff Years

FUND 114 I-95 REFUSE DISPOSAL

Agency Mission

To manage the I-95 Landfill in such a manner as to provide a site where solid waste and recyclable materials from County citizens are gathered and properly disposed of, and a deposit site where ash from the Energy/Resource Recovery Facility and other participating municipalities can be properly disposed.

Agency Summary					
Category	FY 2001 Actual	FY 2002 Adopted Budget Plan	FY 2002 Revised Budget Plan	FY 2003 Advertised Budget Plan	FY 2003 Adopted Budget Plan
Authorized Positions/Staff Years					
Regular	37/ 37	37/ 37	37/ 37	37/ 37	37/ 37
Expenditures:					
Personnel Services	\$1,766,954	\$2,024,714	\$2,024,714	\$2,138,256	\$2,138,256
Operating Expenses	2,342,670	2,733,809	2,733,809	3,158,658	3,158,658
Capital Equipment	226,737	869,300	1,016,250	375,000	375,000
Capital Projects	6,842,938	8,287,580	24,619,210	0	0
Total Expenditures	\$11,179,299	\$13,915,403	\$30,393,983	\$5,671,914	\$5,671,914

Board of Supervisors' Adjustments

The following funding adjustments reflect all changes to the FY 2003 Advertised Budget Plan, as approved by the Board of Supervisors on April 29, 2002:

- ◆ The Board of Supervisors made no changes to the FY 2003 Advertised Budget Plan.

The following funding adjustments reflect all approved changes to the FY 2002 Revised Budget Plan from January 1, 2002 through April 22, 2002. Included are all adjustments made as part of the FY 2002 Third Quarter Review:

- ◆ The Board of Supervisors made no adjustments to this fund.

County Executive Proposed FY 2003 Advertised Budget Plan

Purpose

The I-95 Sanitary Landfill has operated for more than two decades, and has served the solid waste disposal needs of the residents of the participating jurisdictions who have utilized the facility. The municipal solid waste (MSW) section of the I-95 Landfill closed in December 1995, and since that time the facility has accepted only ash material for land burial. The I-95 Sanitary Landfill continues to operate as a model facility, meeting permit requirements, inspection criteria, and availability requirements for the participating jurisdictions and customers of the facility.

FUND 114

I-95 REFUSE DISPOSAL

Key Accomplishments

- ◆ In cooperation with the Virginia Department of Environmental Quality (DEQ), amended the facility's operating permit to adopt required Ground Water Protection Standards (GPS).
- ◆ Completed construction on the second phase of the Area 3 Lined Landfill for the continued acceptance of ash from the Fairfax and Arlington/Alexandria Waste to Energy Facilities.
- ◆ Processed an additional 13,680 tons of non-combustible waste in FY 2001.
- ◆ Processed landfill gas for our energy partner, Michigan Cogeneration Systems, exceeding the target delivery criteria of 96 percent.

FY 2003 Initiatives

- ◆ Finalize landfill closure plan to conform with revisions directed by Virginia Department of Environmental Quality.
- ◆ Continue closure work at the landfill site.
- ◆ Complete evaluation of potential ash reuse based on tests begun in FY 2001.

Performance Measurement Results

During FY 2001:

- ◆ The facility processed 364,200 tons of ash, a decrease of 15,870 from FY 2000.
- ◆ The \$14.00/ton cost to dispose of the ash in FY 2000 was decreased to \$11.50 per ton in FY 2001. Savings resulting from more efficient operations permitted implementation of the \$2.50/ton rate decrease. The rate will remain at \$11.50 per ton for FY 2002 and no rate increase is anticipated for FY 2003.
- ◆ Tons of ash disposed per ash site man-hour in FY 2001 was within 0.5 percent of target estimate.
- ◆ The I-95 Landfill complex received satisfactory ratings (highest possible rating) by the Department of Environment Quality for all inspections conducted during FY 2001. The facility is in compliance with all provisions of the permits and the Virginia Solid Waste Management Regulations.

Funding Adjustments

The following funding adjustments from the FY 2002 Revised Budget Plan are necessary to support the FY 2003 program:

- ◆ An increase of \$113,542 in Personnel Services associated with salary adjustments necessary to support the County's compensation program.
- ◆ An increase of \$424,849 in Operating Expenses for Department of Vehicle Services based on anticipated charges for fuel, the County motor pool, vehicle replacement, and maintenance costs.
- ◆ An amount of \$375,000 is funded for Capital Equipment in FY 2003. This includes replacement purchases consisting of one caterpillar dozer, \$252,000, two pickup trucks, \$60,000, one forklift, \$45,000, and one tractor, \$18,000. Funding for the replacement of these items of equipment is based on Department of Vehicle Service's recommendation and replacement criteria consisting of vehicle (machine) age, usage, condition, and maintenance cost relative to the average of that particular vehicle or equipment class.

FUND 114

I-95 REFUSE DISPOSAL

The following funding adjustments reflect all approved changes in the FY 2002 Revised Budget Plan since passage of the FY 2002 Adopted Budget Plan. Included are all adjustments made as part of the FY 2001 Carryover Review and all other approved changes through December 31, 2001:

- ◆ As part of the FY 2001 Carryover Review, expenditures for FY 2002 were increased a total of \$16,478,580 that included \$16,331,630 for unexpended Capital Project balances and \$146,950 for required Capital Equipment.

Objectives

To manage the I-95 Landfill in an efficient, environmentally safe manner, meeting 100 percent of the regulatory standards; and to provide a permitted site where ash resulting from the Energy/Resource Recovery Facility (E/RRF) and other participating municipalities can properly be disposed.

Performance Indicators

Indicator	Prior Year Actuals			Current Estimate	Future Estimate
	FY 1999 Actual	FY 2000 Actual	FY 2001 Estimate/Actual	FY 2002	FY 2003
Output:					
Tons of ash received	361,939	380,070	386,301 / 364,200	373,086	373,086
Virginia Department of Environmental Quality (DEQ) inspections addressed	4	8	12 / 12	12	12
Efficiency:					
Cost per ton to dispose of ash	\$16.00	\$14.00	\$11.50 / \$11.50	\$11.50	\$11.50
Tons of ash disposed per ash site man-hour ¹	59.7	54.2	55.1 / 55.4	56.8	56.8
Service Quality:					
Satisfactory DEQ inspection reports	4	8	12 / 12	12	12
Outcome:					
Percent satisfactory DEQ inspection ratings	100%	100%	100% / 100%	100%	100%

¹ Beginning in FY 2000, a revised measurement technique includes the additional activities of Storm Water Management, erosion controls, and administration to more accurately measure tons of ash disposed per ash site staff hour.

A Fund Statement and a Summary of Capital Projects are provided on the following pages. The Summary of Capital Projects may include some projects without a Total Project Estimate amount. These projects are considered "continuing projects" or projects for which funding is necessary on an ongoing basis (e.g., a contingency or planning project).

FUND 114 I-95 REFUSE DISPOSAL

FUND STATEMENT

Fund Type G10, Special Revenue Funds

Fund 114, I-95 Refuse Disposal

	FY 2001 Actual	FY 2002 Adopted Budget Plan	FY 2002 Revised Budget Plan	FY 2003 Advertised Budget Plan	FY 2003 Adopted Budget Plan
Beginning Balance	\$76,973,319	\$59,704,422	\$75,722,805	\$54,029,162	\$54,029,162
Revenue:					
Interest on Investments	\$5,228,376	\$3,442,481	\$3,442,481	\$1,484,553	\$1,484,553
Refuse Disposal Revenue:					
I-95 ERR (Ash)	\$3,121,786	\$3,305,209	\$3,305,209	\$3,196,839	\$3,196,839
Arlington/Alexandria ERR	1,088,468	1,039,100	1,039,100	1,035,000	1,035,000
County of Fairfax	216,790	501,500	501,500	606,100	606,100
Lower Potomac	57,756	58,650	58,650	58,650	58,650
Subtotal	\$4,484,800	\$4,904,459	\$4,904,459	\$4,896,589	\$4,896,589
Miscellaneous Revenue:					
Sale of Equipment	\$740	\$111,000	\$111,000	\$41,000	\$41,000
Sale of Methane Gas	191,600	191,600	191,600	191,600	191,600
Miscellaneous Revenue	23,269	50,800	50,800	27,200	27,200
Subtotal	\$215,609	\$353,400	\$353,400	\$259,800	\$259,800
Total Revenue	\$9,928,785	\$8,700,340	\$8,700,340	\$6,640,942	\$6,640,942
Total Available	\$86,902,104	\$68,404,762	\$84,423,145	\$60,670,104	\$60,670,104
Expenditures:					
Personnel Services	\$1,766,954	\$2,024,714	\$2,024,714	\$2,138,256	\$2,138,256
Operating Expenses	2,342,670	2,733,809	2,733,809	3,158,658	3,158,658
Capital Equipment	226,737	869,300	1,016,250	375,000	375,000
Capital Projects	6,842,938	8,287,580	24,619,210	0	0
Total Expenditures	\$11,179,299	\$13,915,403	\$30,393,983	\$5,671,914	\$5,671,914
Total Disbursements	\$11,179,299	\$13,915,403	\$30,393,983	\$5,671,914	\$5,671,914
Ending Balance	\$75,722,805	\$54,489,359	\$54,029,162	\$54,998,190	\$54,998,190

FUND 114 I-95 REFUSE DISPOSAL

FUND STATEMENT

Fund Type G10, Special Revenue Funds

Fund 114, I-95 Refuse Disposal

	FY 2001 Actual	FY 2002 Adopted Budget Plan	FY 2002 Revised Budget Plan	FY 2003 Advertised Budget Plan	FY 2003 Adopted Budget Plan
Reserves					
Landfill Closure Reserve ¹	\$16,618,909	\$0	\$0	\$0	\$0
Active Cell Closure Liability Reserve ²	8,000,000	10,000,000	10,000,000	10,000,000	10,000,000
Inactive Cell Closure Liability Reserve ³	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000
Environmental Reserve ⁴	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000
Ashfill Construction Reserve ⁵	7,838,211	6,000,000	6,000,000	6,000,000	6,000,000
Construction-Miscellaneous Reserve ⁶	8,952,065	1,031,435	1,031,435	1,031,435	1,031,435
Post-Closure ⁷	21,000,000	21,000,000	21,000,000	22,000,000	22,000,000
PC Replacement ⁸	8,694	12,988	12,988	12,988	12,988
Operating and Maintenance Reserve	304,926	3,444,936	2,984,739	2,953,767	2,953,767
Unreserved Ending Balance	\$0	\$0	\$0	\$0	\$0
Disposal Rate/Ton ⁹	\$11.50	\$11.50	\$11.50	\$11.50	\$11.50

¹ Reserve for closure of the raw waste landfill.

² Reserve necessary for the closure of active disposal cells of the Ash Landfill, required by the State to be established in order for landfilling activities to progress.

³ Reserve necessary to perform closure activities on the completed cells of the Ash Landfill. Closure activities are required by the facilities permit, Environmental Protection Agency, and State regulations.

⁴ The Environmental Reserve has been established primarily for future Environmental Projects.

⁵ Reserve required for the construction of next phase of the ashfill liner system.

⁶ The Construction Reserve is established to provide funds to meet the requirements of current and future construction projects necessary for the operation of the I-95 Landfill, such as drainage and roads.

⁷ Post Closure Care is required for a 30 year-period after the landfill closes and is mandated by Federal and State regulations. FY 2003 funding of \$22,000,000 represents 58 percent of the estimated requirements of \$37,860,000 and is not sufficient to cover all identified costs. Additional funds will be set aside in future years.

⁸ The PC Replacement Reserve was established in FY 1995 in order to meet requirements for the timely replacement of obsolete computer equipment.

⁹ Effective July 1, 2000, the jurisdictional rate was reduced from \$14/ton to \$11.50/ton. The FY 2003 recommended rate remains at \$11.50/ton.

FUND 114 I-95 REFUSE DISPOSAL

FY 2003 Summary of Capital Projects

Fund: 114 I-95 Refuse Disposal

Project #	Description	Total Project Estimate	FY 2001 Actual Expenditures	FY 2002 Revised Budget	FY 2003 Advertised Budget Plan	FY 2003 Adopted Budget Plan
186420	Repair/Maint/Wash Facility	\$1,026,645	\$0.00	\$60,251.00	\$0	\$0
186435	I-95 Landfill Basin 20		5,562,707.58	3,046,056.97	0	0
186440	I-95 Landfill Leachate Facility		21,960.00	2,895,382.00	0	0
186450	I-95 Landfill Rd. Construction		20,025.14	7,606.86	0	0
186455	Perimeter Fence Construction		8,110.00	50,580.50	0	0
186460	Area 7 Roadway Construction	258,000	235,039.00	6,126.00	0	0
186470	Paved Ditch Extension Areas		0.00	362,818.00	0	0
186600	Methane Gas Recovery		250,698.00	1,578,953.00	0	0
186650	I-95 Landfill Closure	57,088,579	744,398.70	16,611,435.78	0	0
Total		\$58,373,224	\$6,842,938.42	\$24,619,210.11	\$0	\$0