

TAB 12

**Proof of Financial Responsibility for Closure
and Post-Closure Care**
(Checklist Item #12)

**Cherry Island Landfill
Sanitary Landfill Permit Renewal**

) Section 4.2.1.8 of the Delaware Regulations Governing Solid Waste (DRGSW) requires that proof of financial responsibility for closure and post-closure care be included when applying for a permit (or renewal) to construct and/or operate a sanitary or industrial waste landfill. Attached herein is the documentation necessary to certify DSWA's compliance with the requirements of the state approved Financial Assurance Mechanism for Closure and Post Closure Care for the Fiscal Year ending June 30, 2015.

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DELAWARE SOLID WASTE AUTHORITY

Richard P. Watson, P.E., BCEE
Chief Executive Officer

Robin M. Roddy, P.E., BCEE
Chief Operating Officer

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December 21, 2015

Ms. Nancy Marker
Program Manager II
Division of Waste and Hazardous Substances
DNREC
89 Kings Highway
P.O. Box 1401
Dover, DE 19903

RE: Financial Assurance Mechanism Certification – GASB 18

Dear Ms. Marker:

Attached please find the documentation necessary to certify DSWA's compliance with the requirements of the state approved Financial Assurance Mechanism for Closure and Post Closure Care. The certification is for the Fiscal Year ending June 30, 2015.

If you have any questions please feel free to contact me.

Sincerely,

Joseph J. Koskey
Chief Financial Officer

c: R. P. Watson, P.E., BCEE
R. M. Roddy, P.E., BCEE
L. V. Miller, P.E., BCEE
J. Vescovi, P.E., BCEE
J. M. Munyan, P.E., BCEE
L. B. Kocenko, P.E., BCEE

1128 S. Bradford Street, Dover, Delaware 19904
Phone: (302) 739-5361 Fax: (302) 739-4287

CITIZENS' RESPONSE LINE: 1-800-404-7080 www.dswa.com

CERTIFICATION OF COMPLIANCE
WITH FINANCIAL ASSURANCE MECHANISM
FOR CLOSURE AND POST CLOSURE CARE COSTS

I, Joseph J. Koskey, Chief Financial Officer of the Delaware Solid Waste Authority, do hereby certify that the Delaware Solid Waste Authority has:

- 1) a bond rating of Aa3 from Moody's Investors Service and a rating of AA+ from Standard & Poors rating agencies (Exhibits A1 & A2).
- 2) received an unqualified opinion from its independent auditor following their audit of the financial statements of the Authority for the fiscal year ended June 30, 2015 (see attached Financial Statements).
- 3) accurately presented in the Balance Sheet, and the related footnotes to the Financial Statements, by use of reasonable estimates, the Authority's liabilities for the FY 2015 Landfill Closure and Post-Closure Care Costs for all DSWA facilities.

WITNESS:

Julian H. Baker

SIGNED:

Joseph J. Koskey

DATE:

12/21/15

MOODY'S

INVESTORS SERVICE

Rating Update: Moody's upgrades Delaware Solid Waste Authority to Aa3 from A2

Global Credit Research - 06 May 2015

Aa3 applies to \$102M of debt outstanding

DELAWARE SOLID WASTE AUTHORITY
Solid Waste
DE

NEW YORK, May 06, 2015 --Moody's Investors Service upgrades the Delaware Solid Waste Authority, DE's revenue bonds to Aa3 from A2 affecting approximately \$102 million of debt outstanding. The rating action resolves a review for possible upgrade initiated on March 25, 2015.

SUMMARY RATING RATIONALE

The upgrade partly reflects our evolving view over time that this issuer can be rated using the US Municipal Utility Revenue Debt methodology. The Aa3 rating incorporates several key credit strengths of the authority, particularly its role as the sole provider of municipal solid waste services in the State of Delaware (Aaa stable), substantial liquidity inclusive of a restricted operating, insurance, and capital fund, and a predictable revenue stream generated by medium-term Discount Disposal Fee (DDF) contracts with haulers in the state.

The rating also reflects the authority's ability to implement legal flow control and the legal ability to impose property assessments if necessary.

OUTLOOK

Outlooks are usually not assigned to local government credits with this amount of debt outstanding.

WHAT COULD MAKE THE RATING GO UP

- Increased debt service coverage
- Decreased volatility in revenue

WHAT COULD MAKE THE RATING GO DOWN

- Decreased net revenues
- Failure to renew DDF contracts

STRENGTHS

- Sole entity responsible for waste disposal in the State of Delaware
- Ability to implement legal flow control
- Strong liquidity
- Substantial capacity remaining

CHALLENGES

- Susceptible to waste volume fluctuations
- Increased recycling practices could put pressure on revenue

RECENT DEVELOPMENTS

Recent developments are incorporated in the Detailed Rating Rationale.

DETAILED RATING RATIONALE

SERVICE AREA AND SYSTEM CHARACTERISTICS: AUTHORITY HAS MONOPOLY CONTROL OVER SOLID WASTE DISPOSAL IN THE STATE OF DELAWARE

The authority is the sole entity responsible for municipal solid waste disposal in the State of Delaware. The system has three landfills located in New Castle (Aaa stable), Kent (Aa1), and Sussex Counties (Aa1) in the Northern, Central, and Southern parts of the state, respectively. In addition, the authority owns three transfer stations, five collection stations, and a number of recycling drop off stations.

A key credit strength is the authority's legal ability to implement flow control over the entire state. This power has never been exercised, as the authority encourages the flow of waste with its DDF contracts, which offer financial incentives to haulers that dispose of waste at the authority's facilities. If a hauler chooses not to enter into a DDF agreement, they are required to pay a higher per ton tipping fee when using a facility. A majority (73%) of the authority's revenues come from the top 10 haulers in the state, and the authority has successfully negotiated DDF contracts with each of them. The authority is confident that it will be able to renegotiate new DDF contracts when they expire next year. In addition, the authority grants permits to become a hauler in the state, adding an additional layer of security to the system.

The provisions under the indenture also give the authority, whenever necessary, the power to collect sufficient additional fees and charges from the owners and occupants of all parcels of real estate it serves in order to pay all operating costs, debt service on the bonds, and other payments required under the indenture. The indenture does not explicitly state that the authority has the ability to tax and place a lien on the property, although we believe the authority would exercise this power if necessary.

DEBT SERVICE COVERAGE AND LIQUIDITY: STABLE COVERAGE WITH A SIGNIFICANT AMOUNT OF CASH IN RESERVES

The authority has maintained sufficient debt service coverage with 2.08 times coverage in 2014. Tonnage decreased, cumulatively, in 2012 and 2013 by about 10% but coverage remained sufficient at 2.47 times and 1.74 times, respectively. Tonnage in 2014 increased by 8%, bringing the debt service coverage to over 2 times. Tonnage in 2015 is expected to increase by another 5%. This increase and the established debt service schedule should result in a debt service coverage ratio in excess of 2 times in 2015 as well. The authority conservatively budgets tonnage to be 95% of the previous year. Even with fluctuations in tonnage levels, expenditures have remained relatively stable.

Liquidity

The authority has a significant amount of cash restricted in its Operating, Capital, and Insurance (OIC) reserve that can be used to defray increased operating costs or to replenish its debt service reserve fund. While not specifically pledged as security to bondholders, the OIC offers meaningful liquidity that could be used to support the system's operations or capital needs. In 2014, the OIC fund had \$72.8 million or 658 days cash on hand.

DEBT AND LEGAL COVENANTS: LOW DEBT, STANDARD LEGAL COVENANTS

The bonds are secured by net revenues of the solid waste system, consisting primarily of revenue from DDF contracts and tipping fees. The bonds are also secured by a fully funded debt service reserve fund, a 1.1 times debt service coverage covenant, and a 1.1 times additional bonds test that includes the use of available reserves.

The long term debt is manageable with \$102 million outstanding in 2014, which has been decreasing since 2010. The authority has no capital plans over the next 3-5 years and there is ample capacity in each of the three landfills.

Debt Structure

All the authority's debt is composed of fixed-rate, senior-lien bonds.

Debt-Related Derivatives

The authority has no derivative agreements.

Pensions and OPEB

The authority participates in the Delaware Public Employees' Retirement System, multiple-employer cost sharing, defined benefit plan and in 2013 contributed \$1.2 million. The authority contracts out the management of two of the three landfill facilities which limits the pension risk.

MANAGEMENT AND GOVERNANCE

The authority is the sole provider of waste disposal in the State of Delaware. This is a key credit strength for the system.

KEY STATISTICS

- Type of System: Solid Waste
- Asset Condition (remaining useful life): 13 years
- System Size (O&M): \$40.755 million
- Service Area Wealth, Median Family Income (est % of US median): 111%
- Annual Debt Service Coverage: 2.08x
- Days Cash on Hand: 658 days
- Debt to Operating Revenues: 1.61x
- Rate Covenant: 1.10x
- Debt Service Reserve Requirement: 3 pronged

OBLIGOR PROFILE

The authority is a solid waste management system serving the entire State of Delaware (Aaa Stable).

LEGAL SECURITY

The authority's revenue bonds are secured by a first lien on the net revenues of the system.

USE OF PROCEEDS

Not Applicable.

PRINCIPAL METHODOLOGY

The principal methodology used in this rating was US Municipal Utility Revenue Debt published in December 2014. Please see the Credit Policy page on www.moody.com for a copy of this methodology.

REGULATORY DISCLOSURES

For ratings issued on a program, series or category/class of debt, this announcement provides certain regulatory disclosures in relation to each rating of a subsequently issued bond or note of the same series or category/class of debt or pursuant to a program for which the ratings are derived exclusively from existing ratings in accordance with Moody's rating practices. For ratings issued on a support provider, this announcement provides certain regulatory disclosures in relation to the rating action on the support provider and in relation to each particular rating action for securities that derive their credit ratings from the support provider's credit rating. For provisional ratings, this announcement provides certain regulatory disclosures in relation to the provisional rating assigned, and in relation to a definitive rating that may be assigned subsequent to the final issuance of the debt, in each case where the transaction structure and terms have not changed prior to the assignment of the definitive rating in a manner that would have affected the rating. For further information please see the ratings tab on the issuer/entity page for the respective issuer on www.moody.com.

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Analysts

Jessica Raab
Lead Analyst
Public Finance Group
Moody's Investors Service

Orlie Prince
Additional Contact
Public Finance Group
Moody's Investors Service

Contacts

Journalists: (212) 553-0376
Research Clients: (212) 553-1653

Moody's Investors Service, Inc.
250 Greenwich Street
New York, NY 10007
USA

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Summary:

Delaware Solid Waste Authority; Solid Waste/Resource Recovery

Credit Profile

Delaware Solid Waste Auth solid waste

Long Term Rating

AA+/Stable

Affirmed

Delaware Solid Waste Auth solid waste

Unenhanced Rating

AA+(SPUR)/Stable

Affirmed

Many issues are enhanced by bond insurance.

Rationale

Standard & Poor's Ratings Services has affirmed its 'AA+' long-term rating and underlying rating (SPUR) on Delaware Solid Waste Authority's (DSWA) solid waste system revenue bonds. The outlook is stable.

In our opinion, the rating reflects the following credit strengths including DSWA's:

- Historically solid financial profile characterized by strong debt service coverage (DSC) and robust liquidity metrics;
- Service area that encompasses Delaware with a resilient and expanding economy, which exhibits good income and low unemployment;
- Predominant role in Delaware's solid waste disposal market coupled with ample capacity and resources to fulfill long term waste disposal needs;
- Sound economic flow control mechanism via three-year agreements with its private haulers, competitive tip fees, and tip fee rebate programs;
- Experienced and conservative operational and financial management;
- Manageable capital improvement needs absent additional debt;
- Adequate legal provisions, coupled with additional untapped revenue flexibility tied to DSWA's ability to levy property assessments to support operations and debt service; and
- Financial projections that illustrate the system's capacity to generate strong DSC over the next three fiscal years albeit conservative waste tonnage and fees assumptions

Net solid waste system revenues secure the bonds.

DSWA has been designated by the state as the sole entity with the responsibility for planning and implementing solid waste and resources recovery programs and facilities throughout Delaware. Population trends are positive, increasing 4.8% since 2008 and reaching about 912,000 in 2012. We consider county wealth and income indicators as good, represented by median household effective buying income at 107% of the US level. Furthermore, unemployment has remained consistently below the national average for the past 20 years; 6.5% (October 2013) as compared with 7.3% for the nation.

Over the past decade waste flows have fluctuated with 2003 tonnage of 941,296, peaking in 2006 at 1.175 tons in 2006.

Since 2006, tonnage has steadily decreased an average of 6.1% per year to 675,507 in fiscal 2013. The tonnage decline can be attributed to a sluggish economy and increased recycling.

DSWA management forecasts for future annual solid waste tonnage are conservative, with projections of 3% annual declines through 2016. For 2014, management conservatively projects about 700,000 tons; however, that tonnage is coming in favorably to date and management anticipates about 725,000 tons for fiscal 2014, approximately a 7% increase over 2013.

DSWA's position in the solid waste disposal market in Delaware is substantial. DSWA's solid waste system consists of three active landfills (and one closed landfill), with remaining life ranging from 35 to 73 years, four transfers stations, about 170 recycling drop-off centers and five household bagged drop-off collection stations. DSWA ceased curbside collection of single stream recyclables and yard waste during fiscal 2011 as a result of the implementation of the Delaware Universal Recycling law, which mandatorily required all public and private solid waste haulers, in lieu of DSWA, to offer recycling to customers. DSWA customers became new customers of private and public sector haulers. DSWA provides all haulers two locations to direct recyclables to: its Delaware Recycling Center (DRC) in New Castle and the Milford Transfer Station. In February 2012, DSWA entered into service agreement with ReCommunity Delaware LLC to construct and operate a materials recovery facility at DSWA's DRC which began operations in July 2013.

While DSWA operates some of its infrastructure on its own, it mainly has contracts in place with private firms to operate its facilities. Moreover, DSWA has its discount disposal fee (DDF) program to incentivize private haulers to deliver solid waste to DSWA's facilities. The DDF program provides a rebate based on the quantity and facility delivered. The DDF was recently renewed in 2013 with a term of three years through 2016 and is uniform for all haulers. DSWA intends to renew DDF contracts every three years. The authority's solid waste tip fee was increased to \$84 per ton in 2013 from \$80 per ton in 2011. Consideration of the DDF rebate yields an effective tip fee of \$76 per ton. DSWA's revenues predominately rely on tip fees, which constitute 94% of fiscal 2012 operating revenues. Management reports that current tip fees are competitive relative to surrounding states. DSWA continues to receive a favorable response to the DDF program with close to 94% of delivered waste tonnage under DDF contracts according to management. The current contracts include a price escalator by which tip fees per ton will rise from \$85.50 in 2014 to \$88.50 in 2016.

Despite lower waste tonnage trends in recent years, we consider DSWA's financial profile as solid, demonstrated by the system's strong coverage and robust liquidity. Management's ability and willingness to adjust fees coupled with a proactive management of costs has facilitated the maintenance of strong financial metrics. Standard & Poor's calculations, based on audited financial statements, indicate that system operations have yielded DSC of 1.5x (2010), 2.4x (2011), 1.9x (2012), and 1.5x (2013), levels we view as strong. Management conservatively projects DSC to range between 1.7x and 1.8x in fiscal years 2014 through 2016, assuming annual 3% tonnage declines and stable tip fees and rebates, levels we still view as strong. The system's liquidity position has remained relatively stable and strong in our opinion, exceeding 195 days' cash on hand since fiscal 2010 and posting \$22.4 million (223 days) at the close of fiscal 2013. Management projections outline annual cash stability through 2016 of roughly \$22 million.

In our view, the system has been moderately leveraged since 2011 with a current debt-to-plant ratio of 45% (2013).

Given the presence of ample landfill capacity, capital needs are manageable and encompass roughly \$21 million in capital project costs, which do not require additional debt according to management.

Outlook

The stable outlook reflects our expectation that DSWA will sustain its solid financial and operational profiles as it continues to proactively manage and monitor waste delivery trends, tip fees, hauler contracts, and facilities. DSWA's predominant role in Delaware's solid waste disposal market, coupled with a robust liquidity position and strong projected DSC, add to rating stability. Based on these expectations we do not expect to change the rating over the two-year outlook horizon.

Related Criteria And Research

Related Criteria

- USPF Criteria: Solid Waste System Financings, June 15, 2007

Related Research

- U.S. State And Local Government Credit Conditions Forecast, Oct. 1, 2013

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Report on Compliance with Section 9.10 of the
Delaware Solid Waste Authority 2006 Bond Indenture
Independent Auditors' Report

We have audited, in accordance with auditing standards generally accepted in the United States of America, the statements of net position of the Authority as of June 30, 2015, and the related statements of revenues and expenses and changes in net position, and cash flows for the year then ended, and have issued our report thereon dated November 9, 2015.

In connection with our audit, nothing came to our attention that caused us to believe that the Authority failed to comply with the terms, covenants, provisions, or conditions of sections 5.1 and 10.1, of the Indenture dated December 1, 2006, with Wilmington Trust Company insofar as they relate to accounting matters. However, our audit was not directed primarily toward obtaining knowledge of such noncompliance.

This report is intended solely for the information and use of the board of directors and management of the Authority, the bondholders, Wilmington Trust Company and others with knowledge of the Bond Indenture referred to above and is not intended to be and should not be used by anyone other than these specified parties.

Wipfli LLP

November 9, 2015

MEMORANDUM

DELAWARE SOLID WASTE AUTHORITY



TO: Richard P. Watson, P.E., BCEE
Chief Executive Officer

THRU: Robin M. Roddy, P.E., BCEE *RMR*
Chief Operating Officer

FROM: Joseph J. Koskey *JK*
Chief Financial Officer

DATE: August 12, 2015

SUBJECT: FY2015 Closure and Post Closure Care Cost Estimate – FINAL

Attached is the information needed for the FY2015 Closure and Post-Closure Care (PCC) Cost Estimates for all Delaware Solid Waste Authority Facilities. The tables and attachments are further described as follows:

Item	Description
Table 1	Summary of FY2015 Closure and PCC Cost Estimates
Tables 2a, 2b, 2c & 2d	Updated landfill capacity and life estimates for each landfill and totaled for all the landfills
Tables 3a, 3b, 3c	FY2015 tonnage received at each landfill
Attachment 1	FY2015 closure cost estimates for all facilities
Attachment 2	FY2015 PCC cost estimates for all landfills

TABLE 1
 Delaware Solid Waste Authority
 FY 2015
 Closure and Post Closure Care Cost Summary

Number	Facility	Closure Cost	30-Year Post Closure Care Cost	Total Cost
1	Cherry Island Landfill	\$37,634,300	\$17,722,700	\$55,357,000
2	Sandtown Landfill	\$5,594,900	\$14,549,700	\$20,144,600
3	Jones Crossroads Landfill	\$8,786,800	\$18,122,700	\$26,909,500
3	Cells 1&2	\$4,064,900	\$0	\$4,064,900
4	Pigeon Point Landfill	\$0	\$161,500	\$161,500
5	DRCTS	\$16,100	\$0	\$16,100
6	PTCTS	\$16,100	\$0	\$16,100
7	Milford TS	\$16,100	\$0	\$16,100
8	Route 5 TS	\$16,100	\$0	\$16,100
9	Cheswold CS	\$2,300	\$0	\$2,300
10	Ellendale CS	\$2,300	\$0	\$2,300
11	Long Neck CS	\$2,300	\$0	\$2,300
12	Omar CS	\$2,300	\$0	\$2,300
13	Bridgeville CS	\$2,300	\$0	\$2,300
TOTAL		\$56,156,800	\$50,556,600	\$106,713,400

Table 1 Notes

Facility #1 – Cherry Island Landfill (CIL)

Closure and Post-Closure Care (C&PCC) estimates were developed by DSWA staff in July 2012. The detailed estimate for closure is included in Attachment 1. The detailed post-closure care estimate can be found in Attachment 2. The area for closure is 219 acres based on capping Phases I-IIA and the original limits of Phases III-V.

Utilizing information from the U.S. Department of Labor Bureau of Labor Statistics (see Attachment 3), the initial value of 245.247 for the Consumer Price index from June 2014, and 245.675 for June 2015 results in an adjustment of 0.175% for the intervening period. The resulting numbers are as follows:

	<u>FY 2014</u>	<u>FY 2015</u>
Closure Cost	\$37,570,400	\$37,634,300
Post Closure Care Cost	\$17,692,600	\$17,722,700

The C&PCC period for the Cherry Island Landfill is anticipated to begin in FY46. Post Closure Care Period is shown for FY46-FY75.

Facilities #2 and #3 – Sandtown Landfill (SL) & Jones Crossroads Landfill (JCL)

C&PCC estimates were developed for SL in July 2012 by DSWA staff. The acreage that the closure estimate covers is 27 acres based on the remaining uncapped area of Area E. In addition, all of Area F will require capping. However, less than 5 acres of Area F has received waste, therefore, only that portion of the closure costs have been assumed for this estimate. Currently, the SL cell's A, B, C and portions of D and E are already capped.

C&PCC estimates were also developed for JCL in July 2012 by DSWA staff. The acreage that the closure estimate covers is 40.6 acres based on the remaining uncapped area of Cells 3 & 4. Approximately 13.4 acres of capping has been constructed. In addition, all of Cell 5 will require capping. However, less than ten acres of Cell 5 has received waste, therefore, only that portion of closure costs have been assumed for this estimate. In addition, a revised closure cost estimate has been developed for Cells 1 & 2 at the JCL in July 2012 by DSWA staff.

Utilizing information from the U.S. Department of Labor Bureau of Labor Statistics (see Attachment 3), the initial value of 245.247 for the Consumer Price index from June 2014, and 245.675 for June 2015 results in an adjustment of 0.175% for the intervening period. The resulting numbers are as follows:

	<u>FY 2014</u>	<u>FY 2015</u>
Sandtown Landfill		
Closure Cost	\$5,585,400	\$5,594,900
Post Closure Care Cost	\$14,525,000	\$14,549,700
Jones Crossroads Landfill		
Closure Cost	\$8,771,900	\$8,786,800
Post Closure Care Cost	\$18,091,900	\$18,122,700

	<u>FY 2014</u>	<u>FY 2015</u>
Jones Crossroads Landfill		
Cell 1 & 2 Soil Cap	\$4,058,000	\$4,064,900

Table 1 shows the costs for Closure and Post Closure Care Period for SL and JCL anticipated to begin in FY2108 and FY2148 respectively. This information is shown in more detail in Tables 2b and 2c. There are no DNREC imposed limitations on the life of these two landfill facilities at this time.

Facility #4 – Pigeon Point Landfill (PPL)

FY15 Unaudited Post Closure Care Cost = \$323,000

Remaining Post Closure Care Life = 0.5 years (based on post closure period beginning January 1986)

Based upon the actual cost of Post Closure Care during FY15, future year Post Closure Care Annual Costs have been assumed to be \$323,000.

Future post-closure care cost obligations for FY16 = \$323,000 x 0.5 years = \$161,500.

Facilities #5 – 13 Transfer Stations (TS) & Collection Stations (CS)

Cost estimates were developed for the TSs and CSs in July 2012 by DSWA staff. They are included under Attachment 1. The Post Closure Care Costs for all these facilities remains \$0 since DSWA would either find another use for the sites or possibly sell the sites.

Utilizing information from the U.S. Department of Labor Bureau of Labor Statistics (see Attachment 3), the initial value of 240.247 for the Consumer Price index from June 2014, and 245.675 for June 2015 results in an adjustment of 0.175% for the intervening period. The resulting numbers are as follows:

	<u>FY 2014</u>	<u>FY 2015</u>
Closure Cost – TS	\$16,100	\$16,100
Closure Cost - CS	\$2,200	\$2,300
Post Closure Care Cost	\$0	\$0

CHERRY ISLAND LANDFILL

Landfill Capacity in Tons

Capacity Used to	Phase I	Phase II	Phase IA	Permitted	Engineered	Phase VI, VII, VIII	Annual	Cumulative
	716,000	1,718,000	1,001,000	Phase III, IV, V	Phase III, IV, V		Cherry Island	Cherry Island
TOTAL Capacity	716,000	1,718,000	1,001,000	19,937,800	9,240,000	13,500,000	TOTAL	TOTAL
FY10	716,000	1,718,000	924,866	7,956,900				11,315,766
FY11			1,131	367,000			368,131	11,683,897
FY12			1,592	306,000			307,592	11,991,489
FY13			1,145	300,400			301,545	12,293,034
FY14			958	345,284			346,243	12,639,277
FY15			992	374,696			375,688	13,014,965
FY16			940	355,960			356,900	13,371,865
FY17			890	338,160			339,050	13,710,915
FY18			890	338,160			339,050	14,049,965
FY19			890	338,160			339,050	14,389,015
FY20			890	338,160			339,050	14,728,065
FY21			890	338,160			339,050	15,067,115
FY22			890	338,160			339,050	15,406,165
FY23			890	338,160			339,050	15,745,215
FY24			890	338,160			339,050	16,084,265
FY25			890	338,160			339,050	16,423,315
FY26			890	338,160			339,050	16,762,365
FY27			890	338,160			339,050	17,101,415
FY28			890	338,160			339,050	17,440,465
FY29			890	338,160			339,050	17,779,515
FY30			890	338,160			339,050	18,118,565
FY31			890	338,160			339,050	18,457,615
FY32			890	338,160			339,050	18,796,665

Table 2a

CHERRY ISLAND LANDFILL

Landfill Capacity in Tons

Capacity Used to	Phase I	Phase II	Phase IA	Permitted	Engineered	Phase VI, VII, VIII	Annual Cherry Island TOTAL	Cumulative Cherry Island TOTAL
	716,000	1,718,000	1,001,000	Phase III, IV, V	Phase III, IV, V			
TOTAL Capacity				19,937,800	9,240,000	13,500,000		46,112,800
FY33			890	338,160			339,050	19,135,715
FY34			890	338,160			339,050	19,474,765
FY35			890	338,160			339,050	19,813,815
FY36			890	338,160			339,050	20,152,865
FY37			890	338,160			339,050	20,491,915
FY38			890	338,160			339,050	20,830,965
FY39			890	338,160			339,050	21,170,015
FY40			890	338,160			339,050	21,509,065
FY41			890	338,160			339,050	21,848,115
FY42			890	338,160			339,050	22,187,165
FY43			890	338,160			339,050	22,526,215
FY44			890	338,160			339,050	22,865,265
FY45			890	338,160			339,050	23,204,315
FY46			890	124,920	213,280		339,090	23,543,405
FY47			890		338,160		339,050	23,882,455
FY48			890		338,160		339,050	24,221,505
FY49			890		338,160		339,050	24,560,555
FY50			890		338,160		339,050	24,899,605
FY51			890		338,160		339,050	25,238,655
FY52			890		338,160		339,050	25,577,705
FY53			890		338,160		339,050	25,916,755
FY54			890		338,160		339,050	26,255,805
FY55			890		338,160		339,050	26,594,855

Table 2a

CHERRY ISLAND LANDFILL

Landfill Capacity in Tons

Capacity Used to	Phase I	Phase II	Phase IA	Permitted	Engineered	Phase VI, VII, VIII	Annual	Cumulative
	716,000	1,718,000	1,001,000	Phase III, IV, V 19,937,800	Phase III, IV, V 9,240,000	13,500,000	Cherry Island TOTAL	Cherry Island TOTAL
TOTAL Capacity	716,000	1,718,000	1,001,000	19,937,800	9,240,000	13,500,000	339,050	46,112,800
FY56			890		338,160		339,050	26,933,905
FY57			890		338,160		339,050	27,272,955
FY58			890		338,160		339,050	27,612,005
FY59			890		338,160		339,050	27,951,055
FY60			890		338,160		339,050	28,290,105
FY61			890		338,160		339,050	28,629,155
FY62			890		338,160		339,050	28,968,205
FY63			890		338,160		339,050	29,307,255
FY64			890		338,160		339,050	29,646,305
FY65			890		338,160		339,050	29,985,355
FY66			890		338,160		339,050	30,324,405
FY67			890		338,160		339,050	30,663,455
FY68			890		338,160		339,050	31,002,505
FY69			890		338,160		339,050	31,341,555
FY70			890		338,160		339,050	31,680,605
FY71			890		338,160		339,050	32,019,655
FY72			890		338,160		339,050	32,358,705
FY73			890	234,560	103,640		339,090	32,697,795
FY74			890		338,160		339,050	33,036,845
FY75			890		338,160		339,050	33,375,895
FY76			890		338,160		339,050	33,714,945
FY77			890		338,160		339,050	34,053,995
FY78			890		338,160		339,050	34,393,045

Table 2a

CHERRY ISLAND LANDFILL

Landfill Capacity in Tons

Capacity Used to	Permitted					Engineered			Annual Cherry Island TOTAL	Cumulative Cherry Island TOTAL
	Phase I	Phase II	Phase IA	Phase III,IV,V	Phase III, IV, V	Phase VI, VII, VIII	Phase VI, VII, VIII	Phase VI, VII, VIII		
TOTAL Capacity	716,000	1,718,000	1,001,000	19,937,800	9,240,000	13,500,000			339,050	46,112,800
FY79			890			338,160			339,050	34,732,095
FY80			890			338,160			339,050	35,071,145
FY81			890			338,160			339,050	35,410,195
FY82			890			338,160			339,050	35,749,245
FY83			890			338,160			339,050	36,088,295
FY84			890			338,160			339,050	36,427,345
FY85			890			338,160			339,050	36,766,395
FY86			890			338,160			339,050	37,105,445
FY87			890			338,160			339,050	37,444,495
FY88			890			338,160			339,050	37,783,545
FY89			890			338,160			339,050	38,122,595
FY90			890			338,160			339,050	38,461,645
FY91			890			338,160			339,050	38,800,695
FY92			890			338,160			339,050	39,139,745
FY93			890			338,160			339,050	39,478,795
FY94			846			338,160			339,006	39,817,800
FY95						338,160			338,160	40,155,960
FY96						338,160			338,160	40,494,120
FY97						338,160			338,160	40,832,280
FY98						338,160			338,160	41,170,440
FY99						338,160			338,160	41,508,600
FY100						338,160			338,160	41,846,760
FY101						338,160			338,160	42,184,920

Table 2a
Page 4 of 5

CHERRY ISLAND LANDFILL

Landfill Capacity in Tons

Capacity Used to	Permitted					Engineered			Annual		Cumulative
	Phase I	Phase II	Phase IA	Phase III, IV, V	Phase VI, VII, VIII	Phase III, IV, V	Phase VI, VII, VIII	Cherry Island	TOTAL	Cherry Island	TOTAL
TOTAL Capacity	716,000	1,718,000	1,001,000	19,937,800	13,500,000	9,240,000					46,112,800
FY102					338,160			338,160	338,160	338,160	42,523,080
FY103					338,160			338,160	338,160	338,160	42,861,240
FY104					338,160			338,160	338,160	338,160	43,199,400
FY105					338,160			338,160	338,160	338,160	43,537,560
FY106					338,160			338,160	338,160	338,160	43,875,720
FY107					338,160			338,160	338,160	338,160	44,213,880
FY108					338,160			338,160	338,160	338,160	44,552,040
FY109					338,160			338,160	338,160	338,160	44,890,200
FY110					338,160			338,160	338,160	338,160	45,228,360
FY111					338,160			338,160	338,160	338,160	45,566,520
FY112					338,160			338,160	338,160	338,160	45,904,680
FY113					208,120			208,120	208,120	208,120	46,112,800
Total Used	716,000	1,718,000	1,001,000	19,937,800	13,500,000	9,240,000					

CENTRAL SOLID WASTE MANAGEMENT CENTER

Landfill Capacity in Tons

Capacity Used to	Area A/B	Area C	Area D	Area E	Area F Phase I	Area F Phase II	Area G	Area H	Area I	Annual CSWMC TOTAL	Cumulative CSWMC TOTAL
	718,000	605,000	693,700	2,791,300	4,355,000	3,139,000	3,890,000	2,250,000	2,160,000		20,602,000
FY10	718,000	605,000	693,700	1,926,000						187,800	3,942,700
FY11				187,800						178,700	4,130,500
FY12				178,700						184,100	4,309,200
FY13				184,100						182,585	4,493,300
FY14				161,476	21,109					188,371	4,675,885
FY15				46,653	141,718					178,950	4,864,256
FY16				44,320	134,630					170,000	5,043,206
FY17				42,100	127,900					170,000	5,213,206
FY18				20,151	149,849					170,000	5,383,206
FY19					170,000					170,000	5,553,206
FY20					170,000					170,000	5,723,206
FY21					170,000					170,000	5,893,206
FY22					170,000					170,000	6,063,206
FY23					170,000					170,000	6,233,206
FY24					170,000					170,000	6,403,206
FY25					170,000					170,000	6,573,206
FY26					170,000					170,000	6,743,206
FY27					170,000					170,000	6,913,206
FY28					170,000					170,000	7,083,206
FY29					170,000					170,000	7,253,206
FY30					170,000					170,000	7,423,206
FY31					170,000					170,000	7,593,206

CENTRAL SOLID WASTE MANAGEMENT CENTER

Landfill Capacity in Tons

	Area A/B	Area C	Area D	Area E	Area F		Area G	Area H	Area I	Annual CSWMC		Cumulative CSWMC TOTAL
					Phase I	Phase II				CSWMC	TOTAL	
TOTAL Capacity	718,000	605,000	693,700	2,791,300	4,355,000	3,139,000	3,890,000	2,250,000	2,160,000			20,602,000
Capacity Used to												
FY32					170,000						170,000	7,763,206
FY33					170,000						170,000	7,933,206
FY34					170,000						170,000	8,103,206
FY35					170,000						170,000	8,273,206
FY36					170,000						170,000	8,443,206
FY37					170,000						170,000	8,613,206
FY38					170,000						170,000	8,783,206
FY39					170,000						170,000	8,953,206
FY40					170,000						170,000	9,123,206
FY41					39,794	130,206					170,000	9,293,206
FY42						170,000					170,000	9,463,206
FY43						170,000					170,000	9,633,206
FY44						170,000					170,000	9,803,206
FY45						170,000					170,000	9,973,206
FY46						170,000					170,000	10,143,206
FY47						170,000					170,000	10,313,206
FY48						170,000					170,000	10,483,206
FY49						170,000					170,000	10,653,206
FY50						170,000					170,000	10,823,206
FY51						170,000					170,000	10,993,206
FY52						170,000					170,000	11,163,206
FY53						170,000					170,000	11,333,206

CENTRAL SOLID WASTE MANAGEMENT CENTER

Landfill Capacity in Tons

	Area A/B	Area C	Area D	Area E	Area F Phase I	Area F Phase II	Area G	Area H	Area I	Annual CSWMC TOTAL	Cumulative CSWMC TOTAL
TOTAL Capacity	718,000	605,000	693,700	2,791,300	4,355,000	3,139,000	3,890,000	2,250,000	2,160,000		20,602,000
Capacity Used to											
FY54					170,000					170,000	11,503,206
FY55					170,000					170,000	11,673,206
FY56					170,000					170,000	11,843,206
FY57					170,000					170,000	12,013,206
FY58					170,000					170,000	12,183,206
FY59					118,794	51,206				170,000	12,353,206
FY60						170,000				170,000	12,523,206
FY61						170,000				170,000	12,693,206
FY62						170,000				170,000	12,863,206
FY63						170,000				170,000	13,033,206
FY64						170,000				170,000	13,203,206
FY65						170,000				170,000	13,373,206
FY66						170,000				170,000	13,543,206
FY67						170,000				170,000	13,713,206
FY68						170,000				170,000	13,883,206
FY69						170,000				170,000	14,053,206
FY70						170,000				170,000	14,223,206
FY71						170,000				170,000	14,393,206
FY72						170,000				170,000	14,563,206
FY73						170,000				170,000	14,733,206
FY74						170,000				170,000	14,903,206
FY75						170,000				170,000	15,073,206

CENTRAL SOLID WASTE MANAGEMENT CENTER

Landfill Capacity in Tons

Capacity Used to	Area A/B	Area C	Area D	Area E	Area F	Area F	Area G	Area H	Area I	Annual CSWMC	Cumulative CSWMC
	718,000	605,000	693,700	2,791,300	4,355,000	Phase II 3,139,000	3,890,000	2,250,000	2,160,000	TOTAL	TOTAL
FY76							170,000			170,000	15,243,206
FY77							170,000			170,000	15,413,206
FY78							170,000			170,000	15,583,206
FY79							170,000			170,000	15,753,206
FY80							170,000			170,000	15,923,206
FY81							170,000			170,000	16,093,206
FY82							98,794	71,206		170,000	16,263,206
FY83								170,000		170,000	16,433,206
FY84								170,000		170,000	16,603,206
FY85								170,000		170,000	16,773,206
FY86								170,000		170,000	16,943,206
FY87								170,000		170,000	17,113,206
FY88								170,000		170,000	17,283,206
FY89								170,000		170,000	17,453,206
FY90								170,000		170,000	17,623,206
FY91								170,000		170,000	17,793,206
FY92								170,000		170,000	17,963,206
FY93								170,000		170,000	18,133,206
FY94								170,000		170,000	18,303,206
FY95								138,794	31,206	170,000	18,473,206
FY96									170,000	170,000	18,643,206
FY97									170,000	170,000	18,813,206

CENTRAL SOLID WASTE MANAGEMENT CENTER

Landfill Capacity in Tons

	Area A/B	Area C	Area D	Area E	Phase I		Area F	Area G	Area H	Area I	Annual CSWMC TOTAL	Cumulative CSWMC TOTAL
					Area F	Phase II						
TOTAL Capacity	718,000	605,000	693,700	2,791,300	4,355,000	3,139,000	3,890,000	2,250,000	2,160,000	20,602,000		
Capacity Used to												
FY98										170,000	170,000	18,983,206
FY99										170,000	170,000	19,153,206
FY100										170,000	170,000	19,323,206
FY101										170,000	170,000	19,493,206
FY102										170,000	170,000	19,663,206
FY103										170,000	170,000	19,833,206
FY104										170,000	170,000	20,003,206
FY105										170,000	170,000	20,173,206
FY106										170,000	170,000	20,343,206
FY107										170,000	170,000	20,513,206
FY108									88,794	88,794	20,602,000	
Total Used	718,000	605,000	693,700	2,791,300	4,355,000	3,139,000	3,890,000	2,250,000	2,160,000			

SOUTHERN SOLID WASTE MANAGEMENT CENTER

Landfill Capacity in Tons

Capacity Used to	Landfill Capacity in Tons									Annual SSWMC TOTAL	Cumulative SSWMC TOTAL
	Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	Cell 6	Cell 7	Cell 8	Cell 9		
TOTAL Capacity	438,000	1,093,885	1,032,200	2,578,300	3,266,400	4,213,000	3,666,000	8,376,000	4,925,000	182,350	29,588,785
Capacity Used to											
FY10	438,000	1,093,885	1,032,200	1,863,500						199,500	4,427,585
FY11				199,500							4,627,085
FY12				186,100						186,100	4,813,185
FY13				179,500	9,800					189,300	5,002,485
FY14				56,146	145,032					201,178	5,203,663
FY15				28,905	173,150					202,055	5,405,718
FY16				27,460	164,490					191,950	5,597,668
FY17				26,090	156,260					182,350	5,780,018
FY18				11,099	171,251					182,350	5,962,368
FY19					182,350					182,350	6,144,718
FY20					182,350					182,350	6,327,068
FY21					182,350					182,350	6,509,418
FY22					182,350					182,350	6,691,768
FY23					182,350					182,350	6,874,118
FY24					182,350					182,350	7,056,468
FY25					182,350					182,350	7,238,818
FY26					182,350					182,350	7,421,168
FY27					182,350					182,350	7,603,518
FY28					182,350					182,350	7,785,868
FY29					182,350					182,350	7,968,218
FY30					182,350					182,350	8,150,568
FY31					182,350					182,350	8,332,918
FY32					75,967	106,483				182,350	8,515,268
FY33						182,350				182,350	8,697,618
FY34						182,350				182,350	8,879,968
FY35						182,350				182,350	9,062,318

SOUTHERN SOLID WASTE MANAGEMENT CENTER

Landfill Capacity in Tons

	Landfill Capacity in Tons									Annual	Cumulative
	Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	Cell 6	Cell 7	Cell 8	Cell 9	SSWMC	SSWMC
TOTAL Capacity	438,000	1,093,885	1,032,200	2,578,300	3,266,400	4,213,000	3,666,000	8,376,000	4,925,000	TOTAL	TOTAL
FY36						182,350				182,350	9,244,668
FY37						182,350				182,350	9,427,018
FY38						182,350				182,350	9,609,368
FY39						182,350				182,350	9,791,718
FY40						182,350				182,350	9,974,068
FY41						182,350				182,350	10,156,418
FY42						182,350				182,350	10,338,768
FY43						182,350				182,350	10,521,118
FY44						182,350				182,350	10,703,468
FY45						182,350				182,350	10,885,818
FY46						182,350				182,350	11,068,168
FY47						182,350				182,350	11,250,518
FY48						182,350				182,350	11,432,868
FY49						182,350				182,350	11,615,218
FY50						182,350				182,350	11,797,568
FY51						182,350				182,350	11,979,918
FY52						182,350				182,350	12,162,268
FY53						182,350				182,350	12,344,618
FY54						182,350				182,350	12,526,968
FY55						94,817		87,583		182,350	12,709,318
FY56								182,350		182,350	12,891,668
FY57								182,350		182,350	13,074,018
FY58								182,350		182,350	13,256,368
FY59								182,350		182,350	13,438,718
FY60								182,350		182,350	13,621,068
FY61								182,350		182,350	13,803,418

Table 2c
Page 2 of 6

SOUTHERN SOLID WASTE MANAGEMENT CENTER
Landfill Capacity in Tons

	Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	Cell 6	Cell 7	Cell 8	Cell 9	Annual SSWMC TOTAL	Cumulative SSWMC TOTAL
	TOTAL Capacity	438,000	1,093,885	1,032,200	2,578,300	3,266,400	4,213,000	3,666,000	8,376,000	4,925,000	182,350
Capacity Used to											
FY62							182,350			182,350	13,985,768
FY63							182,350			182,350	14,168,118
FY64							182,350			182,350	14,350,468
FY65							182,350			182,350	14,532,818
FY66							182,350			182,350	14,715,168
FY67							182,350			182,350	14,897,518
FY68							182,350			182,350	15,079,868
FY69							182,350			182,350	15,262,218
FY70							182,350			182,350	15,444,568
FY71							182,350			182,350	15,626,918
FY72							182,350			182,350	15,809,268
FY73							182,350			182,350	15,991,618
FY74							182,350			182,350	16,173,968
FY75							138,170	68,533		182,350	16,356,318
FY76								182,350		182,350	16,538,668
FY77								182,350		182,350	16,721,018
FY78								182,350		182,350	16,903,368
FY79								182,350		182,350	17,085,718
FY80								182,350		182,350	17,268,068
FY81								182,350		182,350	17,450,418
FY82								182,350		182,350	17,632,768
FY83								182,350		182,350	17,815,118
FY84								182,350		182,350	17,997,468
FY85								182,350		182,350	18,179,818
FY86								182,350		182,350	18,362,168
FY87								182,350		182,350	18,544,518

SOUTHERN SOLID WASTE MANAGEMENT CENTER

Landfill Capacity in Tons

	Landfill Capacity in Tons									Annual	Cumulative
	Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	Cell 6	Cell 7	Cell 8	Cell 9	SSWMC TOTAL	SSWMC TOTAL
TOTAL Capacity	438,000	1,093,885	1,032,200	2,578,300	3,266,400	4,213,000	3,666,000	8,376,000	4,925,000		
Capacity Used to											
FY88								182,350			182,350
FY89								182,350			18,909,218
FY90								182,350			19,091,568
FY91								182,350			19,273,918
FY92								182,350			19,456,268
FY93								182,350			19,638,618
FY94								182,350			19,820,968
FY95								182,350			20,003,318
FY96								182,350			20,185,668
FY97								182,350			20,368,018
FY98								182,350			20,550,368
FY99								182,350			20,732,718
FY100								182,350			20,915,068
FY101								182,350			21,097,418
FY102								182,350			21,279,768
FY103								182,350			21,462,118
FY104								182,350			21,644,468
FY105								182,350			21,826,818
FY106								182,350			22,009,168
FY107								182,350			22,191,518
FY108								182,350			22,373,868
FY109								182,350			22,556,218
FY110								182,350			22,738,568
FY111								182,350			22,920,918
FY112								182,350			23,103,268
FY113								182,350			23,285,618

SOUTHERN SOLID WASTE MANAGEMENT CENTER

Landfill Capacity in Tons

	Landfill Capacity in Tons									Annual	Cumulative
	Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	Cell 6	Cell 7	Cell 8	Cell 9	SSWMC	SSWMC
										TOTAL	TOTAL
TOTAL Capacity	438,000	1,093,885	1,032,200	2,578,300	3,266,400	4,213,000	3,666,000	8,376,000	4,925,000		29,588,785
Capacity Used to											
FY114								182,350			182,350
FY115								182,350			23,650,318
FY116								182,350			23,832,668
FY117								182,350			24,015,018
FY118								182,350			24,197,368
FY119								182,350			24,379,718
FY120								182,350			24,562,068
FY121								182,350	80,633		24,744,418
FY122								182,350	182,350		24,926,768
FY123								182,350	182,350		25,109,118
FY124								182,350	182,350		25,291,468
FY125								182,350	182,350		25,473,818
FY126								182,350	182,350		25,656,168
FY127								182,350	182,350		25,838,518
FY128								182,350	182,350		26,020,868
FY129								182,350	182,350		26,203,218
FY130								182,350	182,350		26,385,568
FY131								182,350	182,350		26,567,918
FY132								182,350	182,350		26,750,268
FY133								182,350	182,350		26,932,618
FY134								182,350	182,350		27,114,968
FY135								182,350	182,350		27,297,318
FY136								182,350	182,350		27,479,668
FY137								182,350	182,350		27,662,018
FY138								182,350	182,350		27,844,368
FY139								182,350	182,350		28,026,718

SOUTHERN SOLID WASTE MANAGEMENT CENTER

Landfill Capacity in Tons

	Landfill Capacity in Tons									Annual	Cumulative
	Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	Cell 6	Cell 7	Cell 8	Cell 9	SSWMC TOTAL	SSWMC TOTAL
TOTAL Capacity	438,000	1,093,885	1,032,200	2,578,300	3,266,400	4,213,000	3,666,000	8,376,000	4,925,000	182,350	29,588,785
Capacity Used to											
FY140										182,350	28,209,068
FY141										182,350	28,391,418
FY142										182,350	28,573,768
FY143										182,350	28,756,118
FY144										182,350	28,938,468
FY145										182,350	29,120,818
FY146										182,350	29,303,168
FY147										182,350	29,485,518
FY148										103,267	29,588,785
Total Used	438,000	1,093,885	1,032,200	2,578,300	3,266,400	4,213,000	3,666,000	8,376,000	4,925,000		

Comments to Tables 2a, 2b & 2c

Table 2a - Cherry Island Landfill - Remaining Capacity in Tons

During FY14, 374,696 tons were landfilled at CIL (see Table 3a).

The DSWA had a contract with Geosyntec Consultants who designed an expansion for the Cherry Island Landfill that would provide additional capacity in Phases III, IV and V if the landfill were built to a final elevation of 288 feet. The permit application for this expansion was submitted to DNREC in May 2003.

Subsequently in June 2004 the permit application was revised and resubmitted to DNREC reflecting a final elevation of 195 feet. This application was approved and a permit issued on January 6, 2006.

Cherry Island Permitted Phase III, IV, V Capacity and Life Projection

- 1) Permitted Phase III, IV, V
 - a. Assume average waste density is 0.66 tons of MSW/1 cy of airspace.
 - b. Remaining capacity from June 2015 ~ 15,587,152 cy. = 10,287,520 tons.
 - c. Assume a 5% per year tonnage reduction through FY2017 and level thereafter consistent with most recent long term forecasts.

Tonnage used to date: ~9,650,280 tons

Therefore total tonnage adjusted to – 19,937,800 tons

- 2) Phase III, IV, V Life

Assuming a tonnage decrease of 5% per year through FY2017 and level thereafter, the life projection for Permitted Phase III, IV, V is summarized on Table 2a CIL Landfill Capacity.

Engineered Phase III, IV, V

The original design for the expansion of Phase III, IV, V submitted to DNREC in May 2003 had an engineered top elevation of 288'. Although DSWA ultimately modified the permit application to a lower elevation, it is possible that the facility could utilize the existing airspace in the future if allowed by DNREC.

From the design drawings prepared by Geosyntec Consultants, the volume of space available for cover soil and waste between the elevation of 195' and 288' is 14,000,000 cy. Using the same average waste density as above (i.e. 0.66 tons/cy) the capacity for waste in tons for the "Engineered Phase III, IV, V" is:

$$(14,000,000\text{cy}) \times (0.66 \text{ tons/cy}) = 9,240,000 \text{ tons} \quad (\text{Engineered Capacity})$$

Assuming a tonnage decrease of 5% per year through FY2017 and flat thereafter, the life projection for Engineered Phase III, IV, V is summarized on Table 2a CIL Landfill Capacity.

Phase VI, VII, VIII

In August 2000, the DSWA acquired access to additional adjacent land from the US Army Corp of Engineers (COE). If DSWA is allowed to use this area, it could provide approximately an additional 13,500,000 tons of capacity and we are referring to it as Phase VI, VII, and VIII. The DSWA will have access to this property only after the COE has finished using the site for their dredge spoil disposal activity.

Asbestos Disposal

Based upon the asbestos tonnage for the past several years, the future annual tonnage assumption is a 5% reduction per year through FY2017 and level thereafter. The average of the last 5 years is below 1,200 tons per year. For this reason, the prior assumption of 3,000 tons per year going forward was determined to be excessive.

In 2011, the remaining airspace was evaluated and determined that approximately 517,000 cy remained for asbestos disposal. The average density for asbestos is low because of the nature of the material. Based on past experience, we assume a density of 0.145 tons/cy.

$$(517,000\text{cy}) \times (0.145 \text{ tons/cy}) = 74,965 \text{ tons of remaining capacity}$$

Adding the remaining capacity of 74,965 tons to the total capacity used before FY11 of 925,997 tons yields the Total Capacity of Current Phase IA of approximately 1,001,000 tons.

Assuming a tonnage decrease of 5% per year through FY2017 and flat thereafter, the life projection for the Asbestos Disposal area is summarized on Table 2a CIL Landfill Capacity.

Table 2b - Central Solid Waste Management Center – Remaining Capacity in Tons

During FY15, 188,371 tons were landfilled at CSWMC (see Table 3b). Area E received 46,653 tons and the remaining 141,718 tons were received into Area F Phase I.

CSWMC Area E Capacity and Life Projection

- 1) Area E
 - a. Assume average waste density is 0.4566 tons of MSW/1 cy of airspace.
 - b. Remaining capacity from June 2015 ~ 233,401 cy. = 106,571 tons.

- c. Assume a 5% per year tonnage reduction through FY2017 and level thereafter consistent with most recent long term forecasts as Area E capacity allows.

Tonnage used to date: ~2,684,729 tons
Therefore total tonnage adjusted to – 2,791,300 tons

2) Area E Life

Assuming a 5% per year tonnage reduction through FY2017 and level thereafter consistent with most recent long term forecasts, the life projection for Area E is summarized on Table 2b CSWMC Landfill Capacity.

CSWMC Area F Phase I Capacity and Life Projections

1) Area F

- a. Assume average waste density is 0.4566 tons of MSW/1 cy of airspace.
- b. Remaining capacity from June 2015 is approximately 9,181,281 cy = 4,192,173 tons.
- c. Assume a 5% per year tonnage reduction through FY2017 and level thereafter consistent with most recent long term forecasts. Tonnage used to date is 162,827 tons. Therefore, total tonnage capacity is 4,355,000 tons.

2) Area F Phase I Life

Assuming a 5% per year tonnage reduction through FY2017 and level thereafter consistent with most recent long term forecasts, the life projection for Area F is summarized on Table 2b CSWMC Landfill Capacity.

CSWMC – Areas F Phase II, G, H, & I Capacity and Life Projection

1) Capacity Estimate

This estimation method provided the following site capacity in tons:

Area F Phase II	3,139,000
Area G	3,890,000
Area H	2,250,000
Area I	<u>2,160,000</u>
Total F Phase II-Area I	11,439,000

2) Calculation CSWMC Future Cell Life

Using the same assumption as for Area E life projection, the life projection for future cells is summarized on Table 2b CSWMC Landfill Capacity.

Table 2c - Southern Solid Waste Management Center – Remaining Capacity in Tons

During FY15, 28,905 tons were landfilled in Cell 4 and 173,150 tons were landfilled in Cell 5 for a total of 202,055 tons landfilled at SSWMC (see Table 3c).

SSWMC Cell 4 Capacity and Life Projection

- 1) Cell 4
 - a. Assume average waste density is 0.4566 tons of MSW/1 cy of airspace.
 - b. Remaining capacity from June 2015 = 141,588 cy. = 64,649 tons.
 - c. Assume a 5% per year tonnage reduction through FY2017 and level thereafter consistent with most recent long term forecasts.

Tonnage used to date: ~2,513,651 tons
Therefore total tonnage adjusted to – 2,578,300 tons

- 2) Cell 4 Life

Assuming a 5% per year tonnage reduction through FY2017 and level thereafter consistent with most recent long term forecasts, the life projection for Cell 4 is summarized on Table 2c SSWMC Landfill Capacity.

SSWMC Cell 5 Capacity and Life Projection

- 1) Cell 5
 - a. Assume average waste density is 0.4566 tons of MSW/1 cy of airspace.
 - b. Remaining capacity from June 2015 = 6,435,431 cy. = 2,938,418 tons.
 - c. Assume a 5% per year tonnage reduction through FY2017 and level thereafter consistent with most recent long term forecasts.

Tonnage used to date: 327,982 tons
Therefore total tonnage adjusted to – 3,266,400 tons

- 2) Cell 5 Life

Assuming a 5% per year tonnage reduction through FY2017 and level thereafter consistent with most recent long term forecasts, the life projection for Cell 5 is summarized on Table 2c SSWMC Landfill Capacity.

SSWMC – Cells 6, 7, 8 & 9 Capacity and Life Projection

- 1) Capacity Estimate

This estimation method provided the following site capacity in tons:

Cell 6	4,213,000
Cell 7	3,666,000
Cell 8	8,376,000
Cell 9	<u>4,925,000</u>
Total 6-9	21,180,000

2) Calculation SSWMC Future Cell Life

Using the same assumption as for Cells 4 & 5 life projections, the life projection for future cells is summarized on Table 2c SSWMC Landfill Capacity.

DSWA LANDFILL LIFE CAPACITY

FACILITY	CELL	CAPACITY (TONS)	USED	CAPACITY REACHED BY:
CIL	PHASE I	716,000	716,000	FILLED
	PHASE II	1,718,000	1,718,000	FILLED
	PHASE IA	1,001,000	930,684	FY94
	CURRENT PHASE III, IV, V	19,937,800	9,650,280	FY46
	ENGINEERED PHASE III, IV, V	9,240,000	0	FY73
	PHASE VI, VII, VIII	13,500,000	0	FY113
SITE CAPACITY		46,112,800	13,014,965	
CSWMC	AREA A/B	718,000	718,000	FILLED
	AREA C	605,000	605,000	FILLED
	AREA D	693,700	693,700	FILLED
	AREA E	2,791,300	2,684,729	FY18
	AREA F PHASE I	4,355,000	162,827	FY41
	AREA F PHASE II	3,139,000	0	FY59
	AREA G	3,890,000	0	FY82
	AREA H	2,250,000	0	FY95
	AREA I	2,160,000	0	FY108
SITE CAPACITY		20,602,000	4,864,256	
SSWMC	CELL 1	438,000	438,000	FILLED
	CELL 2	1,093,885	1,093,885	FILLED
	CELL 3	1,032,200	1,032,200	FILLED
	CELL 4	2,578,300	2,513,651	FY18
	CELL 5	3,266,400	327,982	FY32
	CELL 6	4,213,000	0	FY55
	CELL 7	3,666,000	0	FY75
	CELL 8	8,376,000	0	FY121
	CELL 9	4,925,000	0	FY148
SITE CAPACITY		29,588,785	5,405,718	
TOTAL FACILITIES CAPACITY			96,303,585	TONS
TOTAL CAPACITY FILLED (as of 6/30/2015)			23,284,938	TONS
TOTAL CAPACITY REMAINING			73,018,647	TONS

ATTACHMENT 1

FY 2015

Closure Cost Estimates

for

All Facilities

SSWMC Product\Destination Report

July 28, 2015

[Date Out] Between '7/1/2014' and '6/30/2015'

D E S T I N A T I O N

	100-Inventary	1040-Cell-1	1050-Cell 5	110-Stockpile	120-Market	130-Cover	1-Not Specified	3991-Asbestos Transfer	5000-Main Pump Station	5050-Stanford Waste Water	Total
M											
1000-Solid Waste	0.00	326.12	68,216.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68,543.07
A											
10-Not Specified	0.00	0.00	0.00	0.00	0.00	0.00	3.34	0.00	0.00	0.00	3.34
T											
1100-Tires	222.23	0.00	8.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	231.05
1120-Yard Waste	0.00	0.00	0.00	959.15	0.00	0.00	0.00	0.00	0.00	0.00	959.15
E											
1160-Shredded Tires	0.00	0.00	11.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.04
R											
1180-Sludge	0.00	0.00	2,205.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,205.30
1190-C & D Waste	0.00	2,733.90	5,095.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,829.47
I											
1191-C & D Waste DDF	0.00	25,700.62	19,212.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44,912.74
A											
1230-Non-Printable Cnt #2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.69	0.00	0.00	18.69
L											
2160-CFC WGoods - Recycled	0.00	0.00	0.00	0.00	32.00	0.00	0.00	0.00	0.00	0.00	32.00
2180-NCFC WGoods - Recycled	0.00	0.00	0.00	0.00	271.54	0.00	0.00	0.00	0.00	0.00	271.54
2220-EGR (Electronic Goods)	0.00	0.00	0.00	0.00	0.00	0.00	151.76	0.00	0.00	0.00	151.76
2240-20 lb. Gas Cylinders - Recycl	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00	1.50
2410-Metal Shreds	0.00	0.00	0.00	0.00	71.37	0.00	0.00	0.00	0.00	0.00	71.37
2411-Metal Misc	0.00	0.00	0.00	0.00	26.86	0.00	0.00	0.00	0.00	0.00	26.86
2500-Mattresses - Recycled	0.00	0.00	0.00	0.00	44.72	0.00	0.00	0.00	0.00	0.00	44.72
2870-Recycle Tires	0.00	0.00	0.00	0.00	314.84	0.00	0.00	0.00	0.00	0.00	314.84
2951-Segregiated Drywall	0.00	0.00	0.00	0.00	592.64	0.00	0.00	0.00	0.00	0.00	592.64
2954-Mitch Sales	0.00	0.00	0.00	0.00	32.52	0.00	0.00	0.00	0.00	0.00	32.52
7000-Category 2 Leachate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,981.28	60,147.08	64,128.36

	1040-Cell 4	1050-Cell 5	110-Stockpile	120-Market	130-Cost	1-Soil Specified	3001-Asbestos Transfer	7000-Main Pump Station	7000-Scoured Waste Water	Initial
8000-Soil Test	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.39
8090-Small Load Roll-Out	0.00	143.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	143.37
8250-Transfer Load	0.00	77,803.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77,803.95
8282-RTS TS Yrnt Waste Transfer	0.00	0.00	1,550.63	0.00	0.00	0.00	0.00	0.00	0.00	1,550.63
8284-RTS TS Tire Transfer	19.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.04
8285-RTS TS Drywall Transfer	63.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.19
8340-SSW/MC Asbestos	0.00	0.00	0.00	0.00	0.00	19.69	0.00	0.00	0.00	19.69
8625-Soil	0.00	0.00	0.00	0.00	572.59	0.00	0.00	0.00	0.00	572.59
8643-Metal from Landfill	70.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.48
8650-Drywall Rejects	0.00	0.00	0.00	0.00	0.00	38.40	0.00	0.00	0.00	38.40
8660-Drywall from Landfill	748.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	748.87
8665-Tires from Landfill	10.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.33
8710-R.D.P. Debris	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8720-DSWA Debris	0.00	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11
8725-DSWA C&D Waste	0.00	0.00	13.65	0.00	0.00	0.00	0.00	0.00	0.00	13.65
8738-Electronic Goods Debris	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1,134.14	28,905.12	2,523.43	1,387.99	572.59	213.58	18.69	3,981.28	60,147.08	272,033.71

CSWMC Product/Destination Report

July 28, 2015

[Date Out] Between '7/1/2014' and '6/30/2015'

D E S T I N A T I O N

	100-Inventory	110-Stockpile	120-Market	130-Cover	1-Not Specified	3030-Area B	3050-Area F	3991-Asbestos Transfer	5000-Main Pump Station	5040-KC Wastewater	Total
1000-Solid Waste	0.00	0.00	0.00	0.00	0.00	16,198.50	55,465.70	0.00	0.00	0.00	71,664.20
10-Not Specified	0.00	0.00	0.00	0.00	1,439.01	0.00	0.00	0.00	0.00	0.00	1,439.01
1100-Tires	187.83	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.13
1120-Yard Waste	0.00	535.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	535.38
1190-C & D Waste	0.00	0.00	0.00	0.00	0.00	6.02	81.80	0.00	0.00	0.00	87.82
1191-C & D Waste DDJF	0.00	0.00	0.00	0.00	0.00	2,177.99	6,482.17	0.00	0.00	0.00	8,660.16
1230-Non-Friable Cat #2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.52	0.00	0.00	6.52
2160-CFC WGoods - Recycled	0.00	0.00	32.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.43
2180-NCFC WGoods - Recycled	0.00	0.00	44.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.71
2220-EGR (Electronic Goods)	0.00	0.00	0.00	0.00	21.69	0.00	0.00	0.00	0.00	0.00	21.69
2240-20 lb. Gas Cylinders - Recycled	0.00	0.00	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79
2500-Mattresses - Recycled	0.00	0.00	33.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.83
2870-Recycle Tires	0.00	0.00	257.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	257.53
2951-Segregated Drywall	0.00	0.00	65.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.98
7000-Category 2 Lincinto	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	424.67	52,527.46	52,952.13
8000-Seale Test	0.00	0.00	0.00	0.00	9.26	0.00	0.00	0.00	0.00	0.00	9.26
8024-2a Mod Chitsteel	0.00	1,690.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,690.57
8090-Small Load Roll-Off	0.00	0.00	0.00	0.00	2,660.02	0.00	0.00	0.00	0.00	0.00	2,660.02
8250-Transfer Load	0.00	0.00	0.00	0.00	0.00	28,269.87	79,658.22	0.00	0.00	0.00	107,928.09

	100-Inventory	110-Stockpile	120-Market	130-Cover	1-Not Specified	3030-Area E	3050-Area F	3991-Asbestos Transfer	5000-Main Pump Station	5040-KC Wastewater	Total
8255-PTCTS Yard Waste Transfer	0.00	417.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	417.61
8272-MTS Yard Waste Transfer	0.00	356.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	356.94
8273-MTS Tire Transfer	25.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.50
8277-MTS Drywall Transfer	29.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.32
8625-Soil	0.00	0.00	0.00	210,782.45	0.00	0.00	0.00	0.00	0.00	0.00	210,782.45
8640-Drywall	0.00	14.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.22
8710-R.D.P. Debris	0.00	0.00	0.00	0.00	0.13	0.00	1.47	0.00	0.00	0.00	1.60
8720-DSWA Debris	0.00	0.00	0.00	0.00	0.00	0.19	17.45	0.00	0.00	0.00	17.64
8990-Yard Waste Chips	0.00	1,779.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,779.88
9010-Yard Waste Rejects	0.00	0.00	0.00	0.00	0.00	0.00	11.45	0.00	0.00	0.00	11.45
Total	242.65	4,795.90	435.27	210,782.45	4,130.11	46,652.57	141,718.25	6.52	424.67	52,527.46	461,715.85

RCI Sludge 0.00

PTCTS Transfer Loads 69,702.51

MTS Transfer Loads 38,225.58

Cherry Island Product\Destination Report

July 28, 2015

[Date Out] Between '7/1/2014' and '6/30/2015'

D E S T I N A T I O N

	100-Inventory	110-Stockpile	120-Market	130-Cover	1-Not Specified	2060-Phase I -asbestos area	2070-PHASE III-IV-V	Total
M								
	1000-Solid Waste	0.00	0.00	0.00	0.00	0.00	365,329.70	365,329.70
A	10-Not Specified	0.00	0.00	0.00	1,742.09	0.00	0.00	1,742.09
T	1100-Tires	146.04	0.00	0.00	0.00	0.00	0.00	146.04
E	1120-Yard Waste	0.00	2,865.07	0.00	0.00	0.00	0.00	2,865.07
	1190-C & D Waste	0.00	0.00	0.00	0.00	0.00	8,067.39	8,067.39
R	1191-C & D Waste DDF	0.00	0.00	0.00	0.00	0.00	788.68	788.68
I	1200-Friable Asbestos	0.00	0.00	0.00	0.00	228.07	0.00	228.07
	1210-Non-Friable Cat #1	0.00	0.00	0.00	0.00	412.70	0.00	412.70
A	1230-Non-Friable Cat #2	0.00	0.00	0.00	0.00	331.46	0.00	331.46
L	2160-CFC WGoods - Recycled	0.00	0.00	41.81	0.00	0.00	0.00	41.81
	2180-NCFC WGoods - Recycled	0.00	0.00	150.80	0.00	0.00	0.00	150.80
	2240-20 lb. Gas Cylinders - Recyc	0.00	0.00	1.12	0.00	0.00	0.00	1.12
	2500-Mattresses - Recycled	0.00	0.00	17.05	0.00	0.00	0.00	17.05
	2870-Recycle Tires	0.00	0.00	328.29	0.00	0.00	0.00	328.29
	2951-Segregated Drywall	0.00	0.00	188.69	0.00	0.00	0.00	188.69
	5030-Barrier	0.00	47,948.44	0.00	0.00	0.00	0.00	47,948.44
	7580-RV Crushed Concrete	0.00	5,918.13	0.00	0.00	0.00	0.00	5,918.13
	8000-Scale Test	0.00	0.00	0.00	0.00	7.70	0.00	7.70
	8910-Topsoil	0.00	1,195.22	0.00	0.00	0.00	0.00	1,577.26
	8024-2a Mod Cttsteel	0.00	4,543.11	0.00	0.00	0.00	0.00	4,543.11

	100-Inventory	110-Stockpile	120-Market	130-Cover	1-Not Specified	2000-Phase I - asbestos area	2070-PHASE III-IV-V	Total
8025-2x4 Critsteel	0.00	409.41	0.00	0.00	0.00	0.00	0.00	409.41
8027-2A Mod Coalsville	0.00	11,967.95	0.00	0.00	0.00	0.00	0.00	11,967.95
8028-1/4 Coalsville	0.00	436.95	0.00	0.00	0.00	0.00	0.00	436.95
8256-PTCTS Tire Transfer	47.65	0.00	0.00	0.00	0.00	0.00	0.00	47.65
8340-SSWMC Asbestos	0.00	0.00	0.00	0.00	0.00	19.79	0.00	19.79
8610-Clean Earth Cover	0.00	412,263.51	0.00	0.00	0.00	0.00	0.00	412,263.51
8611-Clean Earth Agg-NCC	0.00	7,936.00	0.00	0.00	0.00	0.00	0.00	7,936.00
8612-Clean Earth Agg-PHL	0.00	16,963.41	0.00	0.00	0.00	0.00	0.00	16,963.41
8625-Soil	0.00	231.52	0.00	18,905.23	0.00	0.00	0.00	19,136.75
8710-R.D.P. Debris	0.00	0.00	0.00	0.00	0.00	0.00	101.01	101.01
8715-R.D.P. YW Debris	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.16
8720-DSWA Debris	0.00	0.00	0.00	0.00	0.00	0.00	240.95	240.95
8760-12th St. Cleanup	0.00	0.00	0.00	0.00	0.00	0.00	3.29	3.29
8990-Yard Waste Chips	0.00	1,630.68	0.00	0.00	0.00	0.00	0.00	1,630.68
9010-Yard Waste Rejects	0.00	0.00	0.00	0.00	0.00	0.00	164.61	164.61
Total	193.69	514,309.56	727.76	19,287.27	1,749.79	992.02	374,695.63	911,955.72

**SUMMARY OF
TABLES 3a, 3b, & 3c
FY15 Landfilled Tons**

<u>Facility</u>	<u>Solid Waste Tons</u>	<u>Asbestos Tons</u>
Cherry Island Landfill	374,696	992
Central Solid Waste Management Center	188,371	0
Southern Solid Waste Management Center	202,055	0
TOTAL	765,122	992

FINAL CLOSURE CONSTRUCTION ESTIMATE
Cherry Island Landfill Expansion Project
Wilmington, DE

Item No.	Description	Units	Quantity	Unit Price (\$)	Total
1	Mobilization & demobilization	LS	1	\$100,000.00	\$100,000.00
2	Site preparation	Acre	218.7	\$3,500.00	\$765,450.00
3	Fine grading	Acre	218.7	\$1,500.00	\$328,050.00
4	18" Protective cover layer	SY	1,058,508	\$6.00	\$6,351,048.00
5	6" Topsoil layer	SY	1,058,508	\$3.50	\$3,704,778.00
6	Geocomposite drainage layer	SF	9,526,572	\$0.90	\$8,573,914.80
7	Geomembrane	SF	9,526,572	\$0.50	\$4,763,286.00
8	Geotextile cushion	SF	9,526,572	\$0.85	\$8,097,586.20
9	Sediment & erosion control	Acre	218.7	\$1,000.00	\$218,700.00
10	Seed & mulch	Acre	218.7	\$3,000.00	\$656,100.00
11	20' Wide access road	LS	218.7	\$4,000.00	\$874,800.00
12	Leachate & LFG system improvements	LS	218.7	\$2,500.00	\$546,750.00
13	Stormwater management	LS	218.7	\$5,000.00	\$1,093,500.00
14	Construction inspection	LS	218.7	\$1,200.00	\$262,440.00
15	Project surveying	LS	218.7	\$150.00	\$32,805.00
Total (at FY 2012 base unit prices) :					\$36,369,208.00

Fiscal Year	Estimated Cost (most current acreage)	CPI
FY12	\$36,369,200	-
FY13	\$36,918,400	1.510%
FY14	\$37,570,400	1.766%
FY15	\$37,634,300	0.170%

FINAL CLOSURE CONSTRUCTION ESTIMATE
Central Solid Waste Management Center
Sandtown, DE

Item No.	Description	Units	Quantity	Unit Price (\$)	Total
1	Mobilization & demobilization	LS	1	\$100,000.00	\$100,000.00
2	Site preparation	Acre	32	\$3,500.00	\$112,000.00
3	Fine grading	Acre	32	\$1,500.00	\$48,000.00
4	18" Protective cover layer	SY	154,880	\$6.00	\$929,280.00
5	6" Topsoil layer	SY	154,880	\$3.50	\$542,080.00
6	Geocomposite drainage layer	SF	1,393,920	\$0.90	\$1,254,528.00
7	Geomembrane	SF	1,393,920	\$0.50	\$696,960.00
8	Geotextile cushion	SF	1,393,920	\$0.85	\$1,184,832.00
9	Sediment & erosion control	Acre	32	\$1,000.00	\$32,000.00
10	Seed & mulch	Acre	32	\$3,000.00	\$96,000.00
11	20' Wide access road	Acre	32	\$4,000.00	\$128,000.00
12	Leachate & LFG system improvements	Acre	32	\$2,500.00	\$80,000.00
13	Stormwater management	Acre	32	\$5,000.00	\$160,000.00
14	Construction inspection	Acre	32	\$1,200.00	\$38,400.00
15	Project surveying	Acre	32	\$150.00	\$4,800.00
Total (at FY 2012 base unit prices) :					\$5,406,880.00

Fiscal Year	Estimated Cost (most current acreage)	CPI
FY12	\$5,406,900	-
FY13	\$5,488,500	1.510%
FY14	\$5,585,400	1.766%
FY15	\$5,594,900	0.170%

FINAL CLOSURE CONSTRUCTION ESTIMATE
 Southern Solid Waste Management Center
 Hard Scrabble, DE

Item No.	Description	Units	Quantity	Unit Price (\$)	Total
1	Mobilization & demobilization	LS	1	\$100,000.00	\$100,000.00
2	Site preparation	Acre	50.6	\$3,500.00	\$177,100.00
3	Fine grading	Acre	50.6	\$1,500.00	\$75,900.00
4	18" Protective cover layer	SY	244,904	\$6.00	\$1,469,424.00
5	6" Topsoil layer	SY	244,904	\$3.50	\$857,164.00
6	Geocomposite drainage layer	SF	2,204,136	\$0.90	\$1,983,722.40
7	Geomembrane	SF	2,204,136	\$0.50	\$1,102,068.00
8	Geotextile cushion	SF	2,204,136	\$0.85	\$1,873,515.60
9	Sediment & erosion control	Acre	50.6	\$1,000.00	\$50,600.00
10	Seed & mulch	Acre	50.6	\$3,000.00	\$151,800.00
11	20' Wide access road	Acre	50.6	\$4,000.00	\$202,400.00
12	Leachate & LFG system improvements	Acre	50.6	\$2,500.00	\$126,500.00
13	Stormwater management	Acre	50.6	\$5,000.00	\$253,000.00
14	Construction inspection	Acre	50.6	\$1,200.00	\$60,720.00
15	Project surveying	Acre	50.6	\$150.00	\$7,590.00
Total (at FY 2012 base unit prices) :					\$8,491,504.00

Fiscal Year	Estimated Cost (most current acreage)	CPI
FY12	\$8,491,500	-
FY13	\$8,619,700	1.510%
FY14	\$8,771,900	1.766%
FY15	\$8,786,800	0.170%

FINAL CLOSURE CONSTRUCTION ESTIMATE
 Southern Solid Waste Management Center Cells 1 and 2
 Hard Scrabble, DE

Item No.	Description	Units	Quantity	Unit Price (\$)	Total
1	Mobilization & demobilization	LS	1	\$100,000.00	\$100,000.00
2	Site preparation	Acre	40.8	\$500.00	\$20,400.00
3	18" Protective cover layer	SY	197,472	\$6.00	\$1,184,832.00
4	6" Topsoil layer	SY	197,472	\$3.50	\$691,152.00
5	Geocomposite drainage layer	SF	1,777,248	\$0.90	\$1,599,523.20
6	Sediment & erosion control	LS	1	\$125,000.00	\$125,000.00
7	Seed & mulch	Acre	40.8	\$3,000.00	\$122,400.00
8	Landfill gas collection system improvements	LS	1	\$20,000.00	\$20,000.00
9	Stormwater management	LS	1	\$25,000.00	\$25,000.00
10	Construction inspection	LS	1	\$30,000.00	\$30,000.00
11	Project surveying	LS	1	\$10,000.00	\$10,000.00
Total (at FY 2012 base unit prices):					\$3,928,307.20

Fiscal Year	Estimated Cost (most current acreage)	CPI
FY12	\$3,928,300	-
FY13	\$3,987,600	1.510%
FY14	\$4,058,000	1.766%
FY15	\$4,064,900	0.170%

FINAL CLOSURE CONSTRUCTION ESTIMATE
 Transfer stations
 Pine Tree Corners, Milford & Route 5 Transfer Stations

Item No.	Description	Cost
1	Advertise closure	\$100.00
2	Terminate waste receipt	\$0.00
3	Remove remaining waste	\$0.00
4	Sweep roads	\$500.00
5	Wash down tipping floors	\$5,000.00
6	Pump/transport wastewaters	\$2,000.00
7	Remove transfer station signage	\$500.00
8	Relocate equipment	\$3,000.00
9	Disconnect utilities & security services	\$750.00
10	Lock gates	\$0.00
11	Certify completion of closure	\$1,100.00
	Subtotal	\$12,950.00
12	Contingency (20%)	\$2,590.00
	Total (FY 2012 basis):	\$15,540.00

Fiscal Year	Estimated Cost	CPI
FY12	\$15,600	-
FY13	\$15,800	1.510%
FY14	\$16,100	1.766%
FY15	\$16,100	0.170%

FINAL CLOSURE CONSTRUCTION ESTIMATE
Collection Stations
Cheswold, Bridgeville, Omar, Long Neck, Ellendale

Item No.	Description	Cost
1	Advertise closure	\$100.00
2	Terminate waste receipt	\$0.00
3	Remove remaining waste	\$0.00
4	Sweep roads	\$500.00
7	Remove collection station signage	\$200.00
8	Relocate roll-off & collection attendant shack	\$500.00
9	Disconnect utilities & security services	\$300.00
10	Lock gates	\$0.00
11	Certify completion of closure	\$100.00
	Subtotal	\$1,700.00
12	Contingency (20%)	\$340.00
	Total (FY 2012 basis):	\$2,040.00

Fiscal Year	Estimated Cost	CPI
FY12	\$2,000	-
FY13	\$2,100	1.510%
FY14	\$2,200	1.766%
FY15	\$2,300	0.170%

ATTACHMENT 2

FY 2015

Post-Closure Care Cost Estimates

for

All Landfills

Cherry Island Landfill (CIL)
Post-Closure Care Costs

a) Professional Services		
502010	Legal counsel	\$500
502062	Consulting engineering services	\$60,000
502063	Environmental monitoring & analysis	\$25,000
Subtotal		\$85,500
b) Utilities		
504010	Electric	\$58,000
504030	Sewer	\$144,000
504040	Telephone	\$5,000
Subtotal		\$207,000
c) Supplies & materials		
505050	Safety supplies	\$300
504110	Field supplies	\$2,500
Subtotal		\$2,800
d) Contractual services		
506032	Pest control	\$100
506042	M&R office equipment	
506042	M&R automobile	
506044	M&R field equipment	\$5,000
506045	M&R scales	
506047	Landscaping	\$2,000
506051	Surveying	\$4,000
506052	Aerial photography	\$5,000
506060	Insurance	\$5,000
506071	Leachate hauling	
506072	Leachate treatment	
506100	Site security	\$4,500
506120	Methane gas recovery	\$25,000
506141	Public notice	
506180	Permit fees	\$205,000
Subtotal		\$255,600
e) Contract operating costs		
507090	Seep repairs	
507110	Drainage maintenance	\$5,000
507120	Site maintenance	\$15,000
Subtotal		\$20,000
Total Annual Post-Closure Care Costs		\$570,900
Total 30-year Post-Closure Care Costs (FY 2012 basis)		\$17,127,000

Cherry Island Landfill (CIL)
Post-Closure Care Costs

Fiscal Year	Estimated Cost	CPI
FY12	\$17,127,000	-
FY13	\$17,385,600	1.510%
FY14	\$17,692,600	1.766%
FY15	\$17,722,700	0.170%

Notes:

502010 – Legal counsel – minor annual review of permits, notices, insurance etc.
502062 – Consulting engineer services – geotechnical monitoring. Assume that completed landfill geotechnical monitoring will be reduced by 50%. FY12 forecast * 50%
502063 – Environmental monitoring & analysis – annual groundwater, surfacewater and gas monitoring of the entire site. Assume that there are same number of monitored less frequently and for fewer parameters than current. FY12 forecast * 1 * 50% frequency * 50% parameters
504010 – Electric – based on forecasted FY12
504030 – Sewer – based on forecasted FY12 * 25% to account for capping
504040 – Telephone – autodialers
505050 – Safety supplies – minimal amount needed for field monitoring
505110 – Field supplies – replacement for existing meters, controls, lights etc.
506032 – Pest control – insect & rodent control; minimal
506042 – M&R office equipment – not applicable
506043 – M&R automobiles – not applicable
506044 – M&R field equipment – pump station, flare station M&R.

Cherry Island Landfill (CIL)
Post-Closure Care Costs

506045 – M&R scales – not applicable
506047 – Landscaping – minimal costs necessary to allow access
506051 – Surveying – aerial survey
506052 – Aerial photography – annual aerial survey
506060 – Insurance – estimated
506071 – Leachate hauling – not applicable
506072 – Leachate treatment – covered by sewer costs
506100 – Site security – Assume to be half of FY12 forecast.
506120 – Methane gas recovery – operation and maintenance of landfill gas collection and flare system. Offset by revenues from electric generation. Assume net cost to operate = \$25,000
506141 – Public notice – Not applicable.
506180 – Permit fees – Based on FY12 forecast
507090 – Seep repairs – Assume that landfill is capped, therefore, not applicable.
507110 – Drainage maintenance – Assume that landfill is capped and stable. Therefore, only necessary drainage maintenance is under landscaping.
507120 – Site maintenance – fencing, monitoring wells, grading as necessary.

Central Solid Waste Management Center (CSWMC)
Post-Closure Care Costs

a) Professional Services		
502010	Legal counsel	\$500
502062	Consulting engineering services	
502063	Environmental monitoring & analysis	\$27,500
Subtotal		\$28,000
b) Utilities		
504010	Electric	\$40,000
504030	Sewer	
504040	Telephone	\$5,000
Subtotal		\$45,000
c) Supplies & materials		
505050	Safety supplies	\$300
504110	Field supplies	\$2,500
Subtotal		\$2,800
d) Contractual services		
506032	Pest control	\$100
506042	M&R office equipment	
506042	M&R automobile	
506044	M&R field equipment	\$5,000
506045	M&R scales	
506047	Landscaping	\$2,000
506051	Surveying	\$4,000
506052	Aerial photography	\$5,000
506060	Insurance	\$5,000
506071	Leachate hauling	
506072	Leachate treatment	\$263,787
506100	Site security	\$10,000
506120	Methane gas recovery	
506141	Public notice	
506180	Permit fees	\$78,000
Subtotal		\$372,887
e) Contract operating costs		
507090	Seep repairs	
507110	Drainage maintenance	\$5,000
507120	Site maintenance	\$15,000
Subtotal		\$20,000
Total Annual Post-Closure Care Costs		\$468,687
Total 30-year Post-Closure Care Costs (FY 2012 basis)		\$14,060,622

Fiscal Year	Estimated Cost	CPI
FY12	\$14,060,600	-
FY13	\$14,272,900	1.510%
FY14	\$14,525,000	1.766%
FY15	\$14,549,700	0.170%

Central Solid Waste Management Center (CSWMC)
Post-Closure Care Costs

Notes:

502010 – Legal counsel – minor annual review of permits, notices, insurance etc.
502063 – Environmental monitoring & analysis – annual groundwater, surfacewater and gas monitoring of the entire site. Assume that there are same number of monitored less frequently and for fewer parameters than current. FY12 forecast * 1 * 50% frequency * 50% parameters
504010 – Electric – based on forecasted FY12
504040 – Telephone – autodialers
505050 – Safety supplies – minimal amount needed for field monitoring
505110 – Field supplies – replacement for existing meters, controls, lights etc.
506032 – Pest control – insect & rodent control; minimal
506042 – M&R office equipment – not applicable
506043 – M&R automobiles – not applicable
506044 – M&R field equipment – pump station, flare station M&R.
506045 – M&R scales – not applicable
506047 – Landscaping – minimal costs necessary to allow access
506051 – Surveying – aerial survey
506052 – Aerial photography – annual aerial survey
506060 – Insurance – estimated
506071 – Leachate hauling – assume that leachate pipeline to Kent County is installed and leachate hauling is eliminated

Central Solid Waste Management Center (CSWMC)
Post-Closure Care Costs

506072 – Leachate treatment – based on FY12 forecast * (343.6/101.6) acres * 25%
506100 – Site security – Assume to be half of FY12 forecast.
506120 – Methane gas recovery – operation and maintenance of landfill gas collection and flare system. Offset by revenues from electric generation. Assume net cost to operate = \$0
506141 – Public notice – Not applicable.
506180 – Permit fees – Based on FY12 forecast
507090 – Seep repairs – Assume that landfill is capped, therefore, not applicable.
507110 – Drainage maintenance – Assume that landfill is capped and stable. Therefore, only necessary drainage maintenance is under landscaping.
507120 – Site maintenance – fencing, monitoring wells, grading as necessary.

Southern Solid Waste Management Center (SSWMC)
Post-Closure Care Costs

a) Professional Services		
502010	Legal counsel	\$500
502062	Consulting engineering services	
502063	Environmental monitoring & analysis	\$32,500
Subtotal		\$33,000
b) Utilities		
504010	Electric	\$20,000
504030	Sewer	
504040	Telephone	\$5,000
Subtotal		\$25,000
c) Supplies & materials		
505050	Safety supplies	\$300
504110	Field supplies	\$2,500
Subtotal		\$2,800
d) Contractual services		
506032	Pest control	\$100
506042	M&R office equipment	
506042	M&R automobile	
506044	M&R field equipment	\$5,000
506045	M&R scales	
506047	Landscaping	\$2,000
506051	Surveying	\$4,000
506052	Aerial photography	\$5,000
506060	Insurance	\$5,000
506071	Leachate hauling	\$244,943
506072	Leachate treatment	\$144,937
506100	Site security	\$10,000
506120	Methane gas recovery	
506141	Public notice	
506180	Permit fees	\$82,000
Subtotal		\$502,980
e) Contract operating costs		
507090	Seep repairs	
507110	Drainage maintenance	\$5,000
507120	Site maintenance	\$15,000
Subtotal		\$20,000
Total Annual Post-Closure Care Costs		\$583,780
Total 30-year Post-Closure Care Costs (FY 2012 basis)		\$17,513,392

Fiscal Year	Estimated Cost	CPI
FY12	\$17,513,400	-
FY13	\$17,777,900	1.510%
FY14	\$18,091,900	1.766%
FY15	\$18,122,700	0.170%

Southern Solid Waste Management Center (SSWMC)
Post-Closure Care Costs

Notes:

502010 – Legal counsel – minor annual review of permits, notices, insurance etc.
502063 – Environmental monitoring & analysis – annual groundwater, surfacewater and gas monitoring of the entire site. Assume that there are same number of monitored less frequently and for fewer parameters than current. FY12 forecast * 1 * 50% frequency * 50% parameters
504010 – Electric – based on forecasted FY12
504040 – Telephone – autodialers
505050 – Safety supplies – minimal amount needed for field monitoring
505110 – Field supplies – replacement for existing meters, controls, lights etc.
506032 – Pest control – insect & rodent control; minimal
506042 – M&R office equipment – not applicable
506043 – M&R automobiles – not applicable
506044 – M&R field equipment – pump station, flare station M&R.
506045 – M&R scales – not applicable
506047 – Landscaping – minimal costs necessary to allow access
506051 – Surveying – aerial survey
506052 – Aerial photography – annual aerial survey
506060 – Insurance – estimated
506071 – Leachate hauling – based on FY12 forecast * (274.8/94.8) acres * 25%
506072 – Leachate treatment – based on FY12 forecast * (274.8/94.8) acres * 25%
506100 – Site security – Assume to be half of FY12 forecast.
506120 – Methane gas recovery – operation and maintenance of landfill gas collection and flare system. Offset by revenues from electric generation. Assume net cost to operate = \$0
506141 – Public notice – Not applicable.
506180 – Permit fees – Based on FY12 forecast
507090 – Seep repairs – Assume that landfill is capped, therefore, not applicable.

Southern Solid Waste Management Center (SSWMC)
Post-Closure Care Costs

507110 – Drainage maintenance – Assume that landfill is capped and stable. Therefore, only necessary drainage maintenance is under landscaping.

507120 – Site maintenance – fencing, monitoring wells, grading as necessary.

507110 – Drainage maintenance – Assume that landfill is capped and stable. Therefore, only necessary drainage maintenance is under landscaping.

507120 – Site maintenance – fencing, monitoring wells, grading as necessary.

TRIAL BALANCE
PIGEON POINT LANDFILL
FY2015

Account	Subaccount	Description	Balance
501011	1N0102-01	SALARIES & WAGES - REG.	\$ -
501012	1N0102-01	SALARIES & WAGES - O/T	\$ -
501021	1N0102-01	FICA EXPENSE	\$ -
501034	1N0102-01	PENSION EXPENSE	\$ -
501035	1N0102-01	WORKMAN'S COMP.	\$ -
502061	1N0102-01	CONSULT ENG. SVC. - MGT.	\$ -
502063	1N0102-01	ENVIRONMENTAL MON. & ANALYSIS	\$ 64,376.04
502999	1N0102-01	MISC. PROFESSIONAL SVC.	\$ 1,000.00
504010	1N0102-01	ELECTRIC	\$ 3,841.30
504030	1N0102-01	SEWER	\$ -
505040	1N0102-01	MAINTENANCE SUPPLIES	\$ -
505050	1N0102-01	SAFETY SUPPLIES	\$ 508.00
505083	1N0102-01	AUTOMOTIVE - ACCESS.	\$ -
505110	1N0102-01	FIELD SUPPLIES	\$ 81.23
505120	1N0102-01	TESTING SUPPLIES	\$ 620.33
506042	1N0102-01	M & R FURNITURE & EQUIPMENT	\$ 649.51
506044	1N0102-01	M & R MACHINERY & EQUIPMENT	\$ 5,019.13
506047	1N0102-01	LANDSCAPING	\$ -
506072	1N0102-01	LEACHATE - TREATMENT	\$ 211,957.52
506100	1N0102-01	SITE SECURITY	\$ -
506120	1N0102-01	METHANE GAS RECOVERY	\$ 8,600.92
506141	1N0102-01	PUBLIC NOTICE	\$ -
506170	1N0102-01	POSTAGE/FREIGHT	\$ 11.64
506180	1N0102-01	PERMIT FEES	\$ 8,113.00
507050	1N0102-01	SEEDING	\$ -
507090	1N0102-01	SEEP REPAIRS	\$ -
507110	1N0102-01	DRAINAGE MAINTENANCE	\$ -
507120	1N0102-01	SITE MAINTENANCE	\$ 18,010.91
507130	1N0102-01	ROAD REPAIR	\$ -
Total Annual Post-Closure Care Costs			\$ 322,789.53

ATTACHMENT 3

U.S. Department of Labor

Consumer Price Index Table

for

Philadelphia-Wilmington-Atlantic City Area

Table 16. Consumer Price Index for All Urban Consumers (CPI-U): Selected areas, by expenditure category and commodity and service group-Continued

(1982-84=100, unless otherwise noted)

Item and group	Monthly cities and pricing schedule 2 ¹								
	Miami-Fort Lauderdale, FL			New York-Northern N.J.-Long Island, NY-NJ-CT-PA			Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD		
	Index	Percent change from—		Index	Percent change from—		Index	Percent change from—	
		June 2014	June 2013		Apr. 2014	June 2014		June 2013	Apr. 2014
Expenditure category									
All items	243.428	2.4	-0.3	261.350	1.7	0.5	245.247	1.8	0.6
All items (1967=100) 2	392.372	-	-	755.527	-	-	708.506	-	-
Food and beverages	251.737	2.6	.5	250.529	1.3	.8	228.092	2.4	1.0
Food	254.310	2.9	.6	250.540	1.4	.8	228.173	2.7	1.1
Food at home	254.338	3.7	.7	251.449	1.5	1.2	238.517	2.5	1.2
Food away from home	255.787	1.8	.4	255.905	1.2	.3	208.875	3.2	.9
Alcoholic beverages	216.092	-2.6	-1.6	246.005	-5	-.1	224.526	-1.8	.3
Housing	239.216	3.2	.2	277.240	2.5	.5	248.850	1.8	1.1
Shelter	265.859	3.2	.3	340.982	3.0	-.4	302.613	2.3	1.4
Rent of primary residence 3	256.567	4.3	.4	348.329	3.0	.5	279.936	2.3	.5
Owners' equivalent rent of residences 3 4	270.483	2.7	.4	347.803	3.2	-.4	308.370	2.4	.4
Owners' equivalent rent of primary residence 3 4	270.483	2.7	.4	347.553	3.2	-.4	308.370	2.4	.4
Fuels and utilities	179.010	5.8	.0	206.320	2.1	1.9	217.435	1.2	-.2
Household energy	157.293	5.5	.0	204.652	2.0	2.2	185.415	.3	-.3
Energy services 3	153.729	5.6	.0	189.149	1.1	3.2	191.593	-.4	.3
Electricity 3	150.051	5.6	.0	189.893	3.6	7.7	192.829	-1.3	.4
Utility (piped) gas service 3	217.344	7.6	1.0	161.867	-4.7	-6.7	155.503	1.5	-.1
Household furnishings and operations	161.367	-.6	.2	118.076	-2.4	-.2	118.413	-2.8	.5
Apparel	189.658	-1.8	-6.3	123.067	-2.0	-2.5	108.605	-1.7	-5.2
Transportation	238.722	.5	-1.5	235.944	1.7	1.3	226.025	2.0	.6
Private transportation	241.806	.3	-1.5	221.243	1.6	.5	224.538	2.4	.8
Motor fuel	329.380	2.8	-3.0	295.662	3.7	2.1	325.112	4.8	1.4
Gasoline (all types)	325.521	2.6	-3.0	294.351	3.6	2.2	320.547	4.7	1.4
Gasoline, unleaded regular 5	323.678	2.7	-3.1	297.203	3.8	2.1	320.436	4.7	1.4
Gasoline, unleaded midgrade 5 6	307.362	2.9	-2.4	295.491	3.2	2.2	314.572	4.8	1.1
Gasoline, unleaded premium 5	327.029	3.1	-2.3	290.257	2.9	2.2	304.355	4.7	1.5
Medical care	430.505	4.1	-.4	438.739	2.8	1.1	468.414	2.4	.8
Recreation 7	114.609	.7	-.5	119.654	.2	.6	125.297	1.1	.2
Education and communication 7	126.294	2.5	.3	140.700	.5	.0	131.655	1.6	-.3
Other goods and services	314.651	3.3	.8	398.378	1.5	-.4	473.510	2.2	.8
Commodity and service group									
All items	243.428	2.4	-.3	261.350	1.7	.5	245.247	1.8	.6
Commodities	207.640	1.5	-.9	195.135	.5	.1	185.133	1.3	-.1
Commodities less food and beverages	180.894	.6	-2.0	158.725	-.1	-.3	160.022	.7	-.6
Nondurables less food and beverages	222.460	1.2	-3.1	203.778	.7	-.5	204.382	1.6	-.5
Durables	135.435	-.6	.4	101.780	-1.7	-.1	110.061	-1.1	-.7
Services	271.805	2.9	.1	318.122	2.4	-.7	307.322	2.0	1.0
Special aggregate indexes									
All items less medical care	234.875	2.3	-.3	253.555	1.7	.5	235.796	1.7	.6
All items less shelter	231.434	1.9	-.6	230.277	1.0	.6	227.401	1.4	.2
Commodities less food	182.632	.5	-2.0	162.359	-.1	-.3	162.432	.5	-.5
Nondurables	238.931	2.0	-1.2	229.506	1.0	.1	218.176	1.9	-.2
Nondurables less food	222.625	1.0	-3.0	205.708	.6	-.5	205.550	1.4	-.5
Services less rent of shelter 4	287.217	2.5	-.2	304.227	1.7	1.1	318.354	1.5	.4
Services less medical care services	259.114	2.8	.1	308.427	2.4	.7	284.127	1.8	.9
Energy	230.318	3.9	-1.8	242.270	2.8	2.1	237.470	2.5	.6
All items less energy	244.962	2.2	-.1	265.088	1.6	.4	247.958	1.7	.6
All items less food and energy	243.182	2.1	-.2	259.435	1.7	.3	253.898	1.5	.6

See footnotes at end of table.

Table 16. Consumer Price Index for All Urban Consumers (CPI-U): Selected areas, by expenditure category and commodity and service group-Continued

(1982-84=100, unless otherwise noted)

Item and group	Monthly cities and pricing schedule 2 ¹								
	Miami-Fort Lauderdale, FL			New York-Northern N.J.-Long Island, NY-NJ-CT-PA			Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD		
	Index	Percent change from—		Index	Percent change from—		Index	Percent change from—	
		June 2015	June 2014		Apr. 2015	June 2015		June 2014	Apr. 2015
Expenditure category									
All items	245.245	1.2	0.4	261.512	0.1	0.6	245.675	0.2	0.8
All items (1967=100) ²	398.913	-	-	755.996	-	-	709.742	-	-
Food and beverages	256.580	1.9	.4	256.896	2.1	.1	233.426	2.3	1.0
Food	259.252	1.9	.5	255.920	2.1	.0	233.877	2.5	1.3
Food at home	256.378	.8	.7	254.763	1.3	-.4	244.848	2.7	.8
Food away from home	266.891	3.9	.2	254.286	3.3	.6	213.688	2.3	1.8
Alcoholic beverages	219.366	1.5	-1.6	251.093	2.1	1.4	225.087	.2	-2.3
Housing	246.268	2.9	-.3	279.665	.9	.6	250.647	.7	.2
Shelter	277.626	4.0	-1	348.425	2.2	.3	308.032	1.8	.2
Rent of primary residence ³	270.360	5.4	-4	357.922	2.8	.7	289.233	3.3	.2
Owners' equivalent rent of residences ^{3 4}	279.564	3.4	.1	355.525	2.2	.6	316.707	2.7	.4
Owners' equivalent rent of primary residence ^{3 4}	279.564	3.4	.1	355.136	2.2	.6	316.707	2.7	.4
Fuels and utilities	171.515	-4.2	-2.0	193.123	-7.3	3.9	205.368	-5.5	-2
Household energy	149.553	-4.9	-2.6	185.936	-8.7	4.4	173.311	-7.0	-.3
Energy services ³	146.439	-4.7	-2.4	178.813	-5.5	5.7	184.821	-3.7	-2
Electricity ³	142.951	-4.7	-2.5	195.445	-2.2	5.0	195.936	1.6	1.4
Utility (piped) gas service ³	205.708	-5.4	2.7	139.717	-13.7	7.9	154.550	-15.8	-4.4
Household furnishings and operations	162.812	.9	-.4	115.347	-2.3	-.3	119.192	.7	1.5
Apparel	143.031	2.4	-3.2	126.205	2.5	-3.6	100.509	-8.3	-6.4
Transportation	221.433	-7.2	2.8	221.481	-6.1	3.7	210.967	-6.7	3.1
Private transportation	224.079	-7.3	2.7	205.629	-7.1	3.2	208.902	-7.0	2.8
Motor fuel	249.471	-24.3	8.0	221.242	-25.2	13.7	242.637	-25.4	10.1
Gasoline (all types)	246.546	-24.3	8.0	220.269	-25.2	13.7	239.309	-25.4	10.2
Gasoline, unleaded regular ⁵	244.158	-24.6	8.3	220.453	-25.8	14.2	237.770	-25.8	10.4
Gasoline, unleaded midgrade ^{5 6}	235.411	-23.4	5.8	224.650	-24.0	11.4	239.315	-23.9	9.5
Gasoline, unleaded premium ⁵	256.064	-21.7	6.6	224.191	-22.8	11.1	234.391	-23.0	9.4
Medical care	455.954	5.9	3.2	444.312	1.3	-1.4	494.014	5.5	.3
Recreation ⁷	115.452	.8	.7	119.294	-.3	-.2	125.423	.1	.0
Education and communication ⁷	127.498	1.0	.1	140.695	.0	.3	133.273	1.2	.4
Other goods and services	337.519	7.3	-.3	404.141	1.4	1.0	511.924	8.1	10.1
Commodity and service group									
All items	245.245	1.2	.4	261.512	.1	.6	245.675	.2	.8
Commodities	202.240	-2.7	.8	190.200	-2.5	.6	179.038	-3.3	.8
Commodities less food and beverages	169.518	-6.3	1.1	149.081	-6.1	1.0	149.014	-6.9	.7
Nondurables less food and beverages	202.847	-8.8	1.3	187.080	-8.2	1.6	184.382	-9.8	.8
Durables	134.249	-.9	.8	100.100	-1.7	-.1	108.763	-1.2	.5
Services	280.642	3.3	.3	322.317	1.3	.6	313.733	2.1	.8
Special aggregate indexes									
All items less medical care	237.068	.9	.3	253.519	.0	.7	235.247	-.2	.8
All items less shelter	229.912	-.7	.8	227.346	-1.3	.8	225.810	-.7	1.2
Commodities less food	171.650	-6.0	1.0	153.078	-6.7	1.0	151.764	-6.6	.6
Nondurables	231.566	-3.1	.8	223.245	-2.7	.8	209.794	-3.8	.9
Nondurables less food	204.170	-8.3	1.1	191.125	-7.5	1.6	186.766	-9.1	.6
Services less rent of shelter ⁴	293.181	2.1	.8	304.731	.2	.9	327.056	2.4	1.5
Services less medical care services	267.189	3.1	.0	312.586	1.3	.8	299.540	1.8	.8
Energy	192.811	-16.3	2.8	202.639	-16.4	8.1	198.856	-16.3	4.1
All items less energy	252.321	3.0	.2	269.051	1.5	.1	252.689	1.9	.5
All items less food and energy	250.988	3.2	.2	273.167	1.4	.1	258.494	1.8	.4

See footnotes at end of table