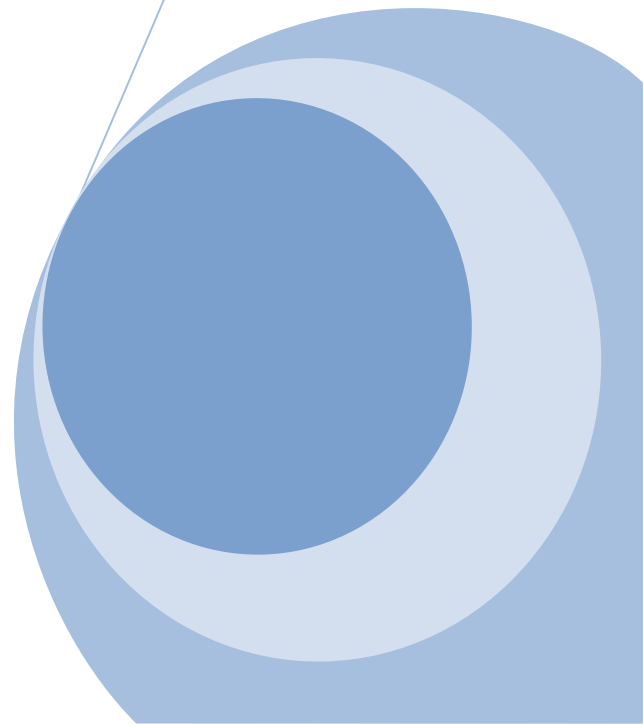
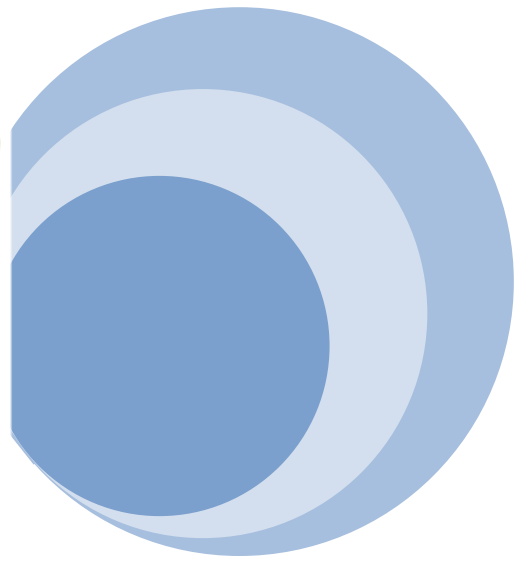




**THE TRINIDAD & TOBAGO SOLID  
WASTE MANAGEMENT  
COMPANY LIMITED (SWMCOL)**  
**Annual Administrative Report**

October 01, 2015 – September 30, 2016

*Get into Green*





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# ANNUAL ADMINISTRATIVE REPORT

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October 01, 2015 – September 30, 2016

## EXECUTIVE SUMMARY

In response to the request received from the Ministry of Public Utilities, the Trinidad and Tobago Solid Waste Management Company Limited (SWMCOL) is pleased to provide its Administrative Report for the period October 01, 2015 to September 30, 2016 in accordance with the requirements of Section 66D of the Constitution and Act No. 29 of 1999. In this regard, herein lies the administrative report outlining the work of SWMCOL to accomplish its strategic mandate.

## STRATEGIC MANDATE

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The Trinidad and Tobago Solid Waste management Company Limited (SWMCOL) was established in 1980, pursuant to a Cabinet decision to implement The Solid Waste Master Plan for Trinidad and Tobago prepared by Planning and Stanley Associates Engineering Limited. The Solid Waste Master Plan outlined the findings of an assessment of the sector at that time and made recommendations for the institutional system and legislative framework required to implement and operate an integrated waste system in Trinidad and Tobago.

To this end, SWMCOL was mandated with the responsibility for the management, collection, treatment and disposal of solid waste in Trinidad and Tobago. The sole landfill in Tobago, the Studley Park Landfill, is managed by the Tobago House of Assembly (THA), while SWMCOL currently manages three (3) landfills in Trinidad as outlined below:

- a) Beetham Estate, which serves the northwest region of Trinidad;
- b) Forres Park, which serves the southern and central regions; and
- c) Guanapo, which serves the northeast region of Trinidad.

The objects for which the Company was established as outlined in its Memorandum of Association are as follows:

- To manage, control, collect, treat and dispose of all wastes either alone or jointly with any other companies, statutory authorities or persons in Trinidad and Tobago.
- To establish and operate:-
  - a) disposal sites in accordance with proper sanitary landfill procedures;
  - b) a central hazardous waste disposal facility;
  - c) transfer stations where appropriate based on sound economic considerations
- To promote, establish and operate resource recovery systems for retrieval of valuable secondary materials wherever technically and economically feasible and in accordance with good public health and sanitation practices.

- To develop technical resources, and advise Local Government Bodies or other agencies and operating branches of the Company on equipment selection, preventative maintenance procedures, routing, scheduling, safety and productivity.
- To provide technical support to Local Government Bodies and operating branches of the Company with respect to evaluation of bids, contracting procedures and contract monitoring.
- To provide a knowledgeable, controlling function as the Central Government's conduit for funds dedicated to solid waste collection.
- To provide procurement management capability to facilitate the process of the letting of contracts and the acquisition of equipment, for the Company and for collection contracts and equipment needs of Local Government Bodies.
- To undertake jointly with the Water and Sewerage Authority the establishment of proper faecal waste receival facilities at sewerage treatment plants.
- To provide technical and managerial support to local health authorities with respect to the selection and procurement of faecal waste collection equipment, and in the scheduling of collection service.
- To educate the public on the hazards of poor sanitation and on their role in maintaining a clear and healthy environment.
- To maintain close liaison with community groups and other public and private agencies in planning and undertaking country-wide and region-wide clean-up campaigns and to encourage public participation
- To develop the network for the receiving, monitoring, transmittal and follow-up on public complaints and/or responses.
- To train such local personnel as shall be required and sufficient to carry out the above object.

## VISION, MISSION AND CORE VALUES

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In positioning itself to achieve its mandate, SWMCOL is guided by its vision, mission and core values as follows:

# VISION

TO LEAD THE ATTAINMENT OF **ENVIRONMENTALLY RESPONSIBLE WASTE MANAGEMENT** AND BE THE **PREFERRED SERVICE PROVIDER** IN TRINIDAD & TOBAGO

# MISSION

TO PROVIDE **INTEGRATED AND ENVIRONMENTALLY-SOUND WASTE MANAGEMENT SOLUTIONS** THAT PROMOTES MAXIMISATION OF **RESOURCE VALUE** AND A **CULTURE OF CARE FOR THE ENVIRONMENT.**

### OWNERSHIP

We are leaders who are also owners. We think long-term and do not sacrifice long-term value for short-term results. We act on behalf of the entire organisation, beyond our own team.

### INTEGRITY

We are always honest, ethical and respectful. We are uncompromising on environmental standard.

### COLLABORATION

We value diversity and work together to achieve the greater goal of the business. We actively seek ways that enable collaborative solutions that drive real change.

## VALUES

### QUALITY

Everyone is responsible for delivering value. We are unwavering in our belief that service excellence is a non-negotiable standard. We strive to raise our standards.

### SOCIAL RESPONSIBILITY

We are committed to the sustainable development of our people, our organisation and our communities.



## STRATEGIC GOALS

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In 2014, SWMCOL undertook a collaborative strategic planning process that engaged both internal and external stakeholders to examine the environmental and stakeholder issues, in addition to the internal capacity of the organisation. This collaborative process resulted in the development of a Strategic Framework 2015-2019, that is responsive to the current needs of the waste sector and delivery-focused to accomplishing the goals of the company.

The Strategic Framework is predicated on the following guiding sector policies given the crucial institutional role envisaged for SWMCOL in the development and implementation of these policies:

- National Environment Policy (2006); and
- The Integrated Solid Waste/Resource Management Policy for Trinidad and Tobago, 2014.

The Framework established a roadmap to refocusing the efforts of the company to develop key waste management infrastructure and policies to maximize the extraction of value from the waste resources. Consequently, **five (5) areas for priority development** over the period 2015-2019 were identified, namely:



# ORGANIZATIONAL STRUCTURE

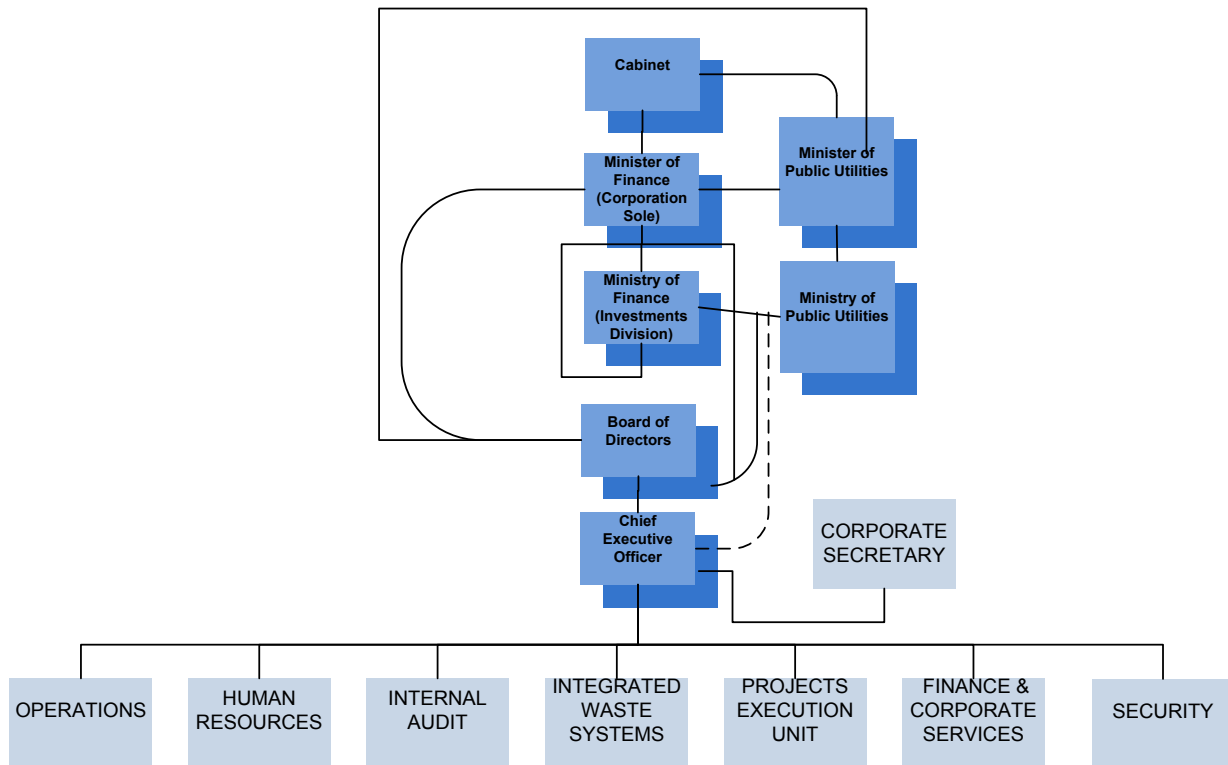
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## CORPORATE STRUCTURE

Over the period October 01, 2015 to September 30, 2016, SWMCOL has a reporting relationship to its line Ministry, the Ministry of Public Utilities and the Corporation Sole, the Ministry of Finance.

The Board of Directors is responsible for policy formulation, strategic planning, overall administration and operations. The daily operations of SWMCOL are managed by the Chief Executive Officer and a team of professionals which includes General Managers of each department.

The Corporate structure of SWMCOL is outlined below



Corporate Structure (Departmental level)

## CONDITIONS OF EMPLOYMENT

SWMCOL's conditions of employment fall within four (4) categories:

- Permanent daily rated, fortnightly paid staff;
- Permanent monthly paid staff;
- Daily rated, contracted staff; and
- Monthly paid contracted staff.

All conditions of employment for monthly paid staff are guided by the respective Collective Bargaining Agreement with the Bankers Insurance and General Workers Union (BIGWU) in conjunction with the company's human resource policy manual while daily rated workers are guided under the Industrial General Sanitation Workers Union (IGSWU). These conditions include but are not limited to: hours of work, employee benefits, disciplinary and grievance processes, recruitment, retirement and termination processes and salary/wage rates.

## STAFFING PROFILE

SWMCOL's staffing compliment for the period October 01, 2015 to September 30, 2016 is outlined below:

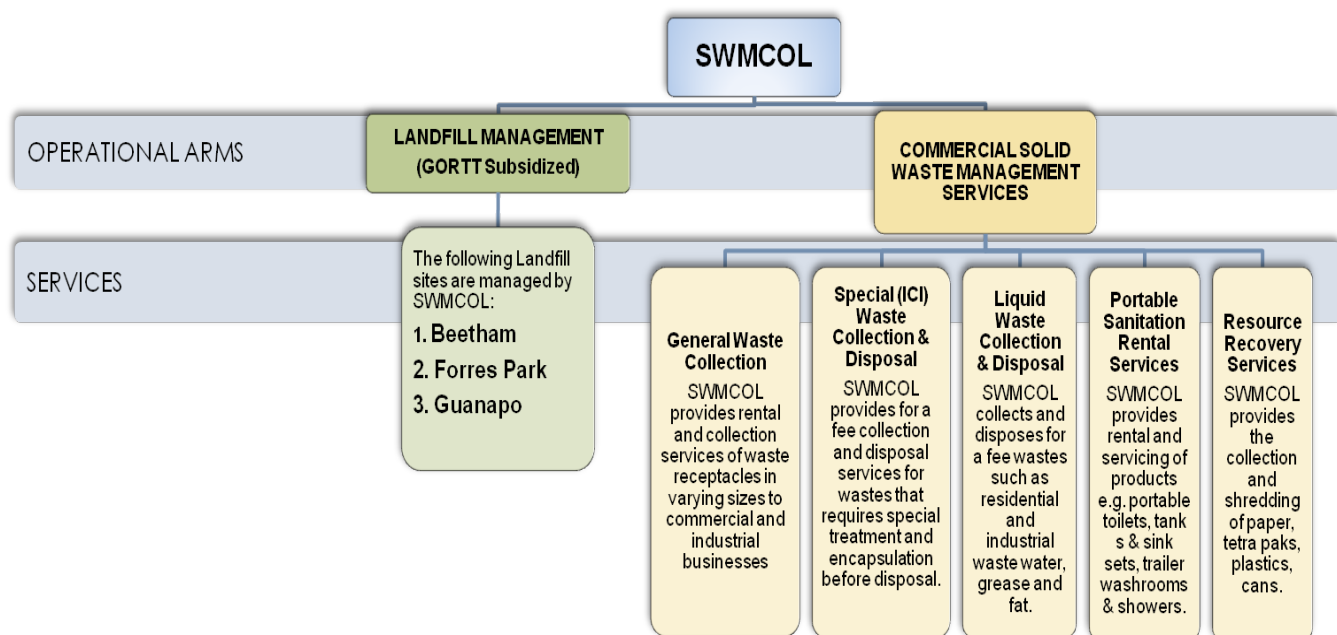
STAFF	EMPLOYMENT STATUS
115	Permanent Daily Rated, Fortnightly paid staff
97	Permanent Monthly paid staff
28	Daily Rated, contracted staff
9	Monthly paid contracted staff

During the period, three (3) employees were confirmed into their respective positions while two (2) persons attained retirement age and have proceeded on retirement leave.

## BUSINESS PROFILE

The operational arms of the company are divided into two (2) components:

- a) **Landfill Management:** This arm is fully funded by Government through the allocation of an annual subvention. It entails the management of the three (3) Landfills controlled by SWMCOL; and
- b) **Commercial Solid Waste Management:** This arm comprises the profit-based commercial waste collection and disposal services offered by the company.



## LANDFILL MANAGEMENT

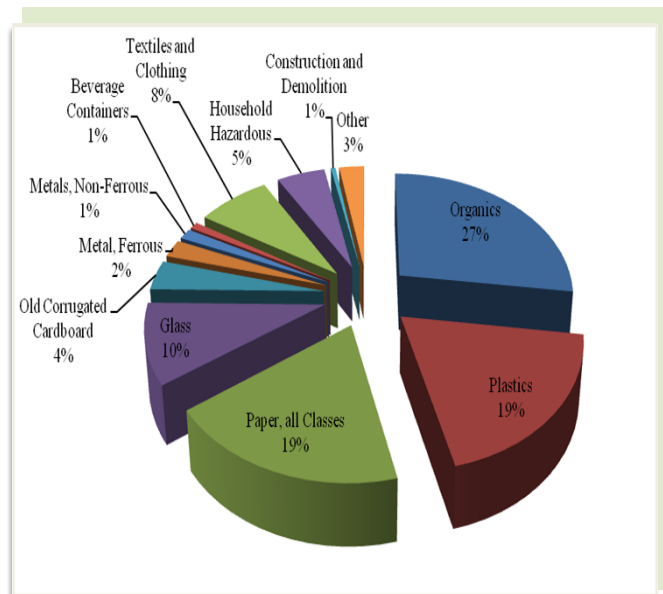
SWMCOL currently manages the three (3) out of four (4) landfills in Trinidad, as depicted below:

- a) Beetham Estate, which serves the northwest region of Trinidad;
- b) Forres Park, which serves the southern and central regions; and
- c) Guanapo, which serves the northeast region of Trinidad.

The Trinidad Solid Waste Management Programme: Waste Characterisation & Centroid Study Final Report, September 2010 estimated that Beetham, Guanapo and Forres Park Landfills annually receive over 700,000 tonnes of solid waste, which represent 95% of waste generated annually.

The Study also identified the main sources of waste to be:

- a) Households which generate approximately two-thirds of the annual tonnage of which 84% is recyclable; and
- b) Institutional, Commercial and Industrial (ICI) sources which generate approximately one-third of the annual waste tonnage.



## PROFILE OF LANDFILLS

### BEETHAM LANDFILL



#### **LOCATION**

South of the Beetham Highway and less than 2km East of Port of Spain

#### **HISTORY**

Converted from an open dump to a landfill in 1980

#### **AGE**

35 years

#### **SIZE**

61 hectares

#### **APPROX DAILY MSW TONNAGE\***

770 Tonnes

#### **WASTE RECEIVED**

MSW, faecal, construction & demolition, special waste (white goods, offal etc.)

### FORRES PARK LANDFILL

#### **LOCATION**

East of the Solomon Hochoy Highway at the Claxton Bay exit

#### **HISTORY**

Established in 1983 as the only partial engineered landfill

#### **AGE**

32 years

#### **SIZE**

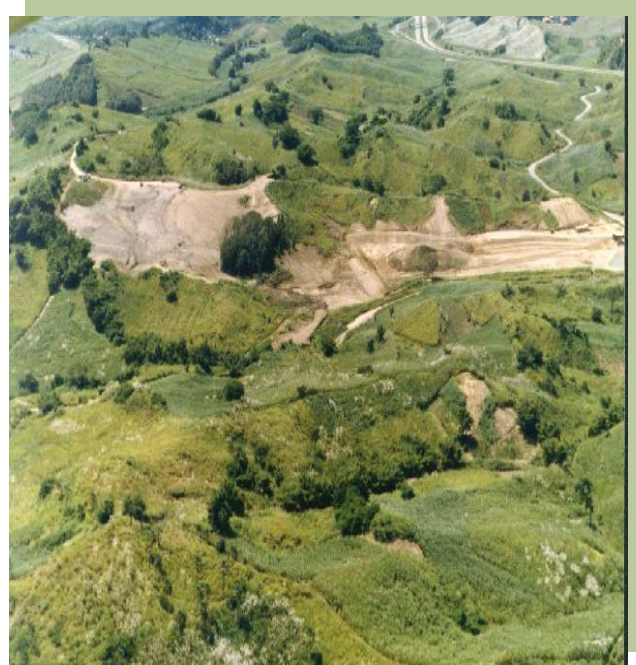
22 hectares

#### **APPROX DAILY MSW TONNAGE\***

503 Tonnes

#### **WASTE RECEIVED**

MSW, construction & demolition, special waste (white goods, offal)



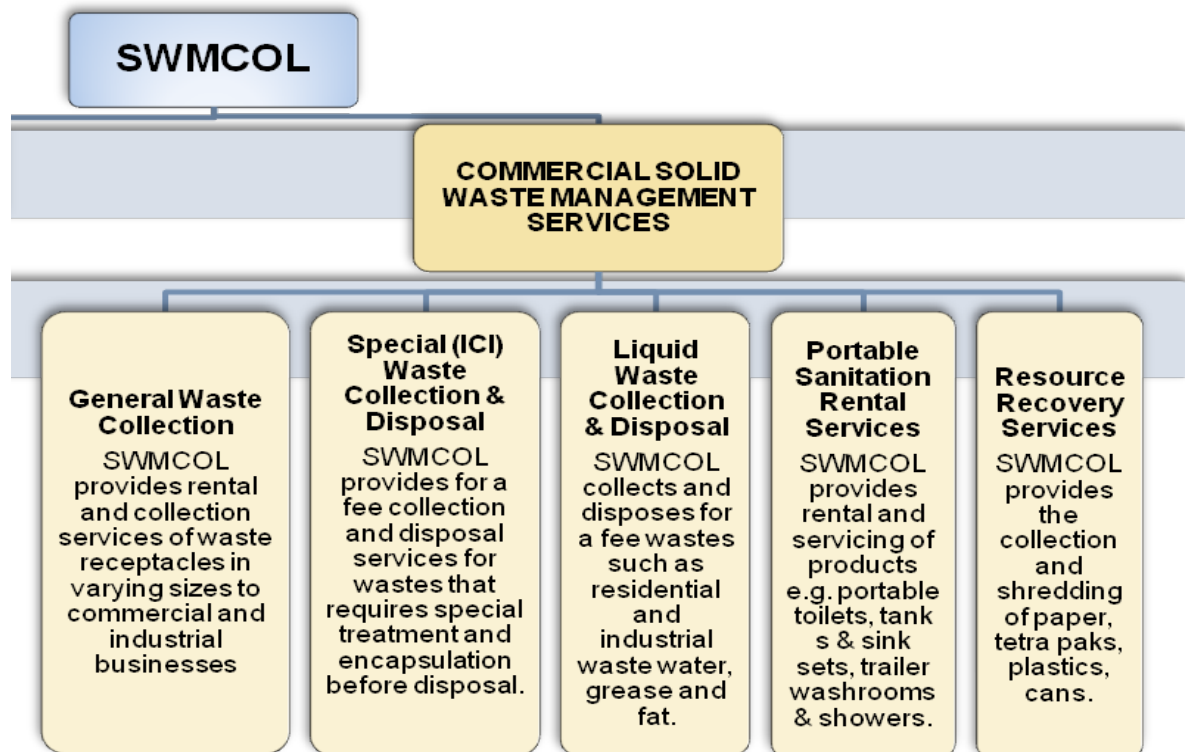
## GUANAPO LANDFILL



<b>LOCATION</b>	
Foothills of the Northern Range (Guanapo Heights) 2km east of Arima	
<b>HISTORY</b>	
Converted from an open dump to a controlled landfill in 1980.	
<b>AGE</b>	35 years
<b>SIZE</b>	12 hectares
<b>APPROX DAILY MSW TONNAGE*</b>	270 Tonnes
<b>WASTE RECEIVED</b>	MSW, special waste

## COMMERCIAL SOLID WASTE MANAGEMENT

In addition to managing the three (3) landfills, SWMCOL also provides commercial services.





## HUMAN RESOURCES

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### CAREER PATH SYSTEMS

SWMCOL is committed to retaining persons of the highest intellectual capacity by ensuring that we have an effective match between: (1) job demands and an individual's skills, knowledge and abilities; (2) between job demands and an individual's career aspirations.

Our assessment process enables skill gaps and development to be addressed and measurable training advanced or recommended.

Job functions are specified by undertaking job analysis processes to determine the current skill set within the company. This analysis enhances the succession planning process and determines those who are most suited for any opportunity or proposed vacancies.

### PERFORMANCE MEASUREMENT TOOLS

SWMCOL is also committed to fostering a high-performance culture, by providing each employee with clear performance objectives, ongoing feedback, recognition for achievements and the necessary developmental tools.

SWMCOL uses a standard performance assessment process which is currently done bi-annually and linked to our annual training plan.

Key performance indicators (KPI's) are developed for each position and employees are educated on these indicators, their objectives and expectations. This allows for a clear guide to both the employee and the manager in ensuring that the company receives value for money and productivity in all areas is achieved and measured. Promotion within the company is linked both to performance of job functions, skills and abilities and qualifications. All employees are encouraged to embrace any opportunity for development and advancement within the company.

## **RECRUITMENT AND SELECTION PROCEDURES**

Currently positions which become vacant are first advertised internally and if no suitable candidate is found within the current staff compliment, then the positions are advertised externally. Online recruiting agencies are used and when necessary, the print media is employed.

Subsequently all resumes received for advertised positions are reviewed and selection is made based on the job criteria. The short-listed applicants are contacted via telephone and invited to an interview.

A panel is selected prior to the date of the interview and consists of the line manager, the HR Manager, the CEO [if available] and another manager. A select group of questions are asked of each applicant and they are scored accordingly. Their scores are tabulated and the applicant with the highest score is offered the position.

## **PROMOTION**

Promotion within the company is linked both to performance of job functions, skills and abilities and qualifications. All employees are encouraged to embrace any opportunity for development and advancement within the company.

## **LEVELS OF AUTHORITY**

- 1) Board of Directors
- 2) Chief Executive Officer
- 3) General Managers
- 4) Senior Managers

## **EMPLOYMENT PRACTICES**

SWCOL believes its human resource are its most valued asset and that these assets can be fostered best in an environment in which the needs for self expression, creativity, personal and professional growth and development are recognized and satisfied.

In order to provide equal employment and advancement opportunities to all individuals, employment decisions are based on merit, qualifications, skills and competencies. SWMCOL is guided by the regulations set out in the Equal Opportunity Act No. 69 of 2000. This prohibits discrimination on the grounds of sex, race, religion, ethnicity, marital status and disability, with regard to any employment or opportunity for promotion, training, mentoring or any other benefit.

Employees concerns about workplace discrimination or unfair practices, real or imagined are brought to the attention of their supervisor or directly to the HR department for redress without fear of reprisals.

## **TRAINING PROGRAMS**

SWMCOL recognizes its responsibility to employee development by ensuring opportunities to develop skills and abilities are made available to all. Before training is provided, a training needs assessment is done through data gathered through the Employee's Performance Appraisal process or if so communicated to the HR department by the employee's manager.

The HR department is tasked with evaluating all training recommendations and facilitates the process through sourcing of relevant training programs. SWMCOL engages in two forms of training: In-house training programs and External training. Training providers are sort and courses that meet the company's needs and budget are engaged.

## **INDUSTRIAL RELATIONS**

SWMCOL recognizes the importance of maintaining good industrial relations for the long-term sustainment of the SWMCOL's business growth and success. We view Industrial Relations, not only to negotiate between workers and the Company but as an instrument that lead to increased productivity and improved product quality in exchange for better pay and employment conditions. Bi-lateral talks continue for the period 2013 to 2016 regarding the collective bargaining agreement for monthly paid staff.

## **SWMCOL FINANCIAL PERFORMANCE AND POSITION**

### **Basis of Preparation**

SWMCOL's financial performance, financial position and cash flow together with all relevant notes for the period 2011-2016.

These financial statements are prepared in accordance with International Financial Reporting Standards (IFRS).

These statements, Comprehensive Income, Notes to Comprehensive Income, Financial Position, notes to Financial Position and Cash Flow Statements have been prepared on a historical cost basis.

### **Income**

The Company earns income through the provision of services for the collection of waste, funds for managing the three (3) landfill sites on behalf of GORTT and earns interest by investing in equity investments. sites.

Government grants relating to PPE are credited to the Statement of Comprehensive Income over four (4) years on a straight-line basis.



# SWMCOL

THE TRINIDAD & TOBAGO SOLID WASTE MANAGEMENT COMPANY LIMITED

Solid Waste Mgmt. Co. Ltd.

For the Period Fiscal 2011-2016

STATEMENT OF COMPREHENSIVE INCOME

	September 2016	September 2015	September 2014	September 2013	September 2012	September 2011
	\$	\$	\$	\$	\$	\$
Notes						
<b>Revenue</b>	<b>32666,220</b>	<b>33940,610</b>	<b>32865,217</b>	<b>35408,690</b>	<b>32388,392</b>	<b>40941,781</b>
<b>Operation Loss</b>	<b>(6236,320)</b>	<b>(10761,318)</b>	<b>(5839,923)</b>	<b>(6378,400)</b>	<b>(6571,788)</b>	<b>(507,963)</b>
Interest Income	160,609	172,924	227,332	333,416	399,703	586,708
Finance Cost	(103,722)	(38,499)	(36,305)	(33,994)	(161,008)	(70,860)
<b>Profit before Taxation</b>	<b>(6179,433)</b>	<b>(10626,893)</b>	<b>(5648,896)</b>	<b>(6078,978)</b>	<b>(6333,093)</b>	<b>7,885</b>
Taxation	(239,450)	2598,782	1292,921	1483,242	(149,359)	(191,368)
<b>Loss attributable to Shareholders</b>	<b>(6418,883)</b>	<b>(8028,111)</b>	<b>(4355,975)</b>	<b>(4595,736)</b>	<b>(6482,452)</b>	<b>(183,483)</b>
<b>Other comprehensive Income:</b>						
Actuarial gain/(losses) on net pension asset net of deferred tax	815,000	48,000	328,500	225,000.00		
Gain on revaluation of prop, plant & equip. net of deferred tax	-	-	-	1121,374.00		
(Loss)/Gain on Available for Sale Financial Assets	11,766	(5,305)	122,647	-		
<b>Total comprehensive loss for the year</b>	<b>(5592,117)</b>	<b>(7985,416)</b>	<b>(3904,828)</b>	<b>(3249,362.00)</b>		



# SWMCOL

THE TRINIDAD & TOBAGO SOLID WASTE MANAGEMENT COMPANY LIMITED

**Solid Waste Mgmt. Co. Ltd.  
Notes to the Statement of Comprehensive Income  
For the Period Fiscal 2011-2016**

Notes	September 2016	September 2015	September 2014	September 2013	September 2012	September 2011
<b>1 REVENUE</b>						
Collection services	21550,904	22528,907	20913,355	25042,101	20118,801	27733,706
Recycling	392,154	172,500	204,994	216,839	164,891	-
Projects and consultancy	8649,053	10599,800	11014,811	8851,112	8544,744	10614,260
Other income	2074,109	639,403	732,057	1298,638	3559,956	2593,815
<b>TOTAL</b>	<b>32666,220</b>	<b>33940,610</b>	<b>32865,217</b>	<b>35408,690</b>	<b>32388,392</b>	<b>40941,781</b>
<b>2 OPERATING PROFIT</b>						
Revenue	32666,220	33940,610	32865,217	35408,690	32388,392	40941,781
Less expenses:						
Personnel remuneration and benefits	21777,941	25407,419	19847,934	18022,693	20096,593	18969,604
Other operating expenses	11988,468	14749,225	16545,504	14110,360	15559,652	18871,602
Depreciation	4952,447	4486,905	2443,276	2887,512	3303,935	3608,538
Changes in inventories of plant spares & consumables	183,684	58,379	(131,574)	-	-	-
	38902,540	44701,928	38705,140	35020,565	38960,180	41449,744
<b>Operating Profit</b>	<b>(6236,320)</b>	<b>(10761,318)</b>	<b>(5839,923)</b>	<b>388,125</b>	<b>(6571,788)</b>	<b>(507,963)</b>
Less Spec prov for bad and doubtful debts	-	-	-	6766,525		
	<b>(6236,320)</b>	<b>(10761,318)</b>	<b>(5839,923)</b>	<b>(6378,400)</b>		
<b>Personnel remuneratio and benefits</b>						
Salaries and wages	20094,912	24178,819	17971,300	15971,529	17917,874	16810,719
Directors' fees	409,006	487,662	530,300	510,467	501,551	485,636
Terminal benefits	-	22,128	68,900	100,369	123,278	89,082
Other staff benefits	352,115	360,352	343,372	357,119	520,155	493,216
Net pension expense	921,908	846,120	934,062	1083,209	1033,735	1090,951
	<b>21777,941</b>	<b>25895,081</b>	<b>19847,934</b>	<b>18022,693</b>	<b>20096,593</b>	<b>18969,604</b>
<b>TAXATION</b>						
Corporation tax	-	-	-	-	-	-
Business Levy	(155,455)	68,372	66,163	74,997	62,162	75,826
Green fund levy	(83,994)	34,186	33,082	37,499	31,081	37,913
Deferred tax	-	(2701,340)	(1392,166)	(1595,738)	56,116	77,629
<b>TOTAL</b>	<b>(239,449)</b>	<b>(2598,781)</b>	<b>(1292,921)</b>	<b>(1483,242)</b>	<b>149,359</b>	<b>191,368</b>



# SWMCOL

THE TRINIDAD & TOBAGO SOLID WASTE MANAGEMENT COMPANY LIMITED

Solid Waste Mgmt. Co. Ltd.

For the Period Fiscal 2011-2016

## STATEMENT OF FINANCIAL POSITIONS

	Notes	Fiscal September 2016	Fiscal September 2015	Fiscal September 2014	Fiscal September 2013	Fiscal September 2012	Fiscal September 2011
		\$	\$	\$	\$	\$	\$
<b>ASSETS</b>							
<b>Non-Current Assets</b>							
Property, plant and equipment	1	29210,535	29827,563	27206,293	20597,354	21739,287	24122,793
Available-for-sale investments	2	2255,547	2200,263	2197,712	23940,577	24087,022	23543,661
Net pension asset		660,000	48,000	177,000	45,000	335,000	720,000
Deferred tax asset		6173,444	6173,444	3488,104	2205,437	689,579	745,695
<b>Total Non- Current Assets</b>		<b>38299,526</b>	<b>38249,270</b>	<b>33069,109</b>	<b>46788,368</b>	<b>46850,888</b>	<b>49132,149</b>
<b>Current assets</b>							
Inventories - Spares		1148,732	965,048	1023,427	891,853	871,825	939,137
Receivables and Prepayments	3	21388,603	17435,098	15794,705	23318,435	25079,612	33943,291
Cash and short term funds	4	19796,681	36821,238	58513,516	15640,012	17243,229	15909,851
Taxation Recoverable		-	87,038	88,137	70,207	266,579	
<b>Total Current Assets</b>		<b>42334,016</b>	<b>55308,422</b>	<b>75419,785</b>	<b>39920,507</b>	<b>43461,245</b>	<b>50792,279</b>
<b>Total Assets</b>		<b>80633,542</b>	<b>93557,692</b>	<b>108488,894</b>	<b>86708,875</b>	<b>90312,133</b>	<b>99924,428</b>
<b>EQUITY AND LIABILITIES</b>							
<b>Equity</b>							
Stated Capital		1936,333	1936,333	1936,333	1936,333	1936,333	1936,333
Revaluation Reserve		2550,924	2550,924	2550,924	2550,924	1429,550	1429,550
Fair Value Reserve		(65,573)	(65,573)	(65,573)	(65,573)	(65,573)	(65,573)
Investment Revaluation Reserve		129,109	117,342	122,647	-	-	-
Retained Earnings		33327,868	38931,754	46911,865	50939,340	55867,778	62350,230
<b>Total Equity</b>		<b>37878,661</b>	<b>43470,780</b>	<b>51456,196</b>	<b>55361,024</b>	<b>59168,088</b>	<b>65650,540</b>
<b>Non-current liabilities</b>							
Capital Grants Deferred	5	7408,237	4234,204	-	614,136	1228,272	3561,789
Revenue grants deferred		8585,622	13390,457	16896,161	17012,275	9283,945	9434,539
<b>Total Non-Current Liabilities</b>		<b>15993,859</b>	<b>17624,661</b>	<b>16896,161</b>	<b>17626,411</b>	<b>10512,217</b>	<b>12996,328</b>
<b>Current Liabilities</b>							
Bank Overdrafts		1987,453	1737,714	-	-	-	411,345
Accounts Payables and Accruals	6	24360,825	30724,537	40136,537	13721,440	20631,828	20690,479
Taxation Payable		412,744	-	-	-	-	58,182
Current portion of finance lease obligations		-	-	-	-	-	117,554
<b>Total Current Liabilities</b>		<b>26761,022</b>	<b>32462,251</b>	<b>40136,537</b>	<b>13721,440</b>	<b>20631,828</b>	<b>21277,560</b>
<b>Total Equity and Liabilities</b>		<b>80633,542</b>	<b>93557,692</b>	<b>108488,894</b>	<b>86708,875</b>	<b>90312,133</b>	<b>99924,428</b>
Current Ratio		2	2	2	3	2	2
Quick Ratio		2	2	2	3	2	2
Working Capital		15572,994	22846,171	35283,248	26199,067	22829,417	29514,719



# SWMCOL

THE TRINIDAD & TOBAGO SOLID WASTE MANAGEMENT COMPANY LIMITED

**Solid Waste Mgmt. Co. Ltd.**  
**Notes to the Statement of Financial Position**  
**For the Period Fiscal 2011-2016**

Notes	September 2016	September 2015	September 2014	September 2013	September 2012	September 2011
<b>1 PROPERTY, PLANT AND EQUIPMENT</b>						
Land and Buildings	16889,233	16800,743	16695,194	16695,193	13697,788	13364,305
Plant, machinery & equipment	36028,183	36063,478	34485,964	26898,110	29315,362	34287,344
Motor Vehicles	2613,881	2245,307	2456,635	2234,766	2817,877	2152,261
Office furniture & equipment	8407,091	8805,676	7666,367	8944,104	12898,801	12500,197
Computer Equipment	1100,017	1711,132	1608,780	-	-	-
Portable Toilets	1539,931	-	-	-	-	-
Accum. Depreciation - Land & Buildings	(4547,892)	(4197,535)	(3971,584)	(3741,918)	(3194,248)	(3002,881)
Accum. Depreciation - Plant, machinery & Equipment	(22054,889)	(22201,789)	(22927,508)	(22077,412)	(22222,786)	(24270,157)
Accum. Depreciation - Motor Vehicle	(1967,853)	(1467,969)	(1362,806)	(1168,698)	(1239,776)	(1013,598)
Accum. Depreciation - Office, furniture & equipment	(6797,079)	(6950,885)	(6642,551)	(7186,792)	(10333,732)	(9894,678)
Accum. Depreciation - Computer Equipment	(558,783)	(980,595)	(802,198)	-	-	-
Accum. Depreciation - Portable Toilets	(1441,305)	-	-	-	-	-
<b>TOTAL</b>	<b>29210,535</b>	<b>29827,563</b>	<b>27206,293</b>	<b>20597,353</b>	<b>21739,286</b>	<b>24122,793</b>
<b>2 AVAILABLE-FOR-SALE-INVESTMENTS</b>						
First Citizens Bank Limited - Abercrombie Fund	-	-	-	4346,882	4846,248	4723,897
UTC - Money Market Fund	2255,547	2200,263	2197,712	19590,695	19240,774	18819,764
<b>TOTAL</b>	<b>2255,547</b>	<b>2200,263</b>	<b>2197,712</b>	<b>23937,577</b>	<b>24087,022</b>	<b>23543,661</b>
<b>3 RECEIVABLE AND PREPAYMENTS</b>						
Accounts Receivable Trade	18172,281	16490,539	16561,776	22209,592	23897,184	25575,816
Provision for Doubtful Debt	(11389,552)	(11358,552)	(11358,552)	(7928,927)	(4060,346)	(4239,287)
Trade Receivables - net	6782,729	5131,987	5203,224	14280,665	19836,838	21336,529
Other Receivables and Prepayments	1634,206	471,816	1402,910	4390,714	5242,774	5839,988
Ministry of Public Utilities and the Environment/Local Govt	12971,668	11831,293	9188,571	4647,056	-	6766,774
<b>TOTAL</b>	<b>21388,603</b>	<b>17435,096</b>	<b>15794,705</b>	<b>23318,435</b>	<b>25079,612</b>	<b>33943,291</b>
<b>4 CASH AND SHORT TERM FUNDS</b>						
Cash in Hand	17,000	17,000	13,500	12,100	12,100	10,000
Other Investments - UTC	11072,167	11129,053	14451,390	-	-	-
First Citizens Bank Limited -	6980,342	18747,577	42282,886	14469,892	12294,800	12911,085
Scotia Bank (T&T) Limited	235,295	307,535	897,550	1073,033	679,162	385,714
Citibank (T&T) Limited	1491,877	6620,073	868,190	84,987	4257,167	2603,052
<b>TOTAL</b>	<b>19796,681</b>	<b>36821,238</b>	<b>58513,516</b>	<b>15640,012</b>	<b>17243,229</b>	<b>15909,851</b>
<b>5 GOVERNMENT REVENUE GRANTS DEFERRED</b>						
Balance as at October 1	13390,457	16896,160	17012,275	9283,945	9434,539	12854,628
Grants received	-	-	-	7812,521	-	-
Amounts utilised	(4804,835)	(3505,703)	(116,114)	(84,191)	(150,594)	(3420,089)
<b>TOTAL</b>	<b>8585,622</b>	<b>13390,457</b>	<b>16896,161</b>	<b>17012,275</b>	<b>9283,945</b>	<b>9434,539</b>
<b>6 PAYABLES AND ACCRUALS</b>						
Accounts Payable Trade	10168,116	10564,504	9431,447	8025,404	4158,458	8850,854
Other payables and accruals	13749,082	16419,349	6910,030	5696,036	6903,821	4027,104
Beverage Container Project	-	3322,718	23798,518	-	-	-
Value Added Tax	443,627	417,966	(3,458)	-	-	-
Ministry of Local Government	-	-	-	-	1757,028	-
Ministry of Finance (CEII)	-	-	-	-	7812,521	7812,521
<b>TOTAL</b>	<b>24360,825</b>	<b>30724,537</b>	<b>40136,537</b>	<b>13721,440</b>	<b>20631,828</b>	<b>20690,479</b>





# SWMCOL

THE TRINIDAD & TOBAGO SOLID WASTE MANAGEMENT COMPANY LIMITED

Solid Waste Mgmt. Co. Ltd.

**Statement of Cash Flows**

For the Period Fiscal 2011-2016

	September 2016	September 2015	September 2014	September 2013	September 2012	September 2011
	\$	\$	\$	\$	\$	\$
<b>Cash flows from operating activities</b>						
Profit/(Loss) before taxation	(6179,433)	(10626,893)	(5648,896)	(6078,978)	(6333,093)	7,985
Adjustments to reconcile net loss to net cash from operating activities:						
Depreciation	4952,447	4486,905	2443,276	2887,512	3303,935	3608,536
Loss/(gain) on disposal of property, plant & equipment	271,575	94,895	233,246	1004,599	191,990	121,731
Net Change in Pension Asset	203,000	177,000	196,500	307,000	385,000	359,000
Amortisation of Government grants	-	-	-	(614,136)	(2333,517)	(2333,517)
Prorie year adjustments	-	-	-	-	-	(947,885)
<b>Operating profit/(loss) before working capital changes</b>	<b>(752,411)</b>	<b>(5868,093)</b>	<b>(2775,874)</b>	<b>(2494,003)</b>	<b>(4785,685)</b>	<b>815,850</b>
Increase/(Decrease) in inventories	(183,684)	58,379	(131,574)	(20,028)	67,312	242,065
Increase/(Decrease) in receivables and prepayments	(3953,505)	(1640,393)	7523,730	1761,177	8863,679	(1842,728)
Increase/(Decrease) in payables and accruals	(6363,712)	(9412,000)	26415,097	902,133	(58,651)	(445,311)
Cash (used in)/generated by Operations	(11253,312)	(16862,107)	31031,379	149,279	4086,655	(1230,124)
Net Taxation	260,333	(85,459)	(7,676)	83,876	(418,005)	(2082,975)
<b>Net cash from operating activities</b>	<b>(10992,979)</b>	<b>(16947,566)</b>	<b>31023,703</b>	<b>233,155</b>	<b>3668,650</b>	<b>(3313,099)</b>
<b>Cash flows from investing activities</b>						
Additions to property, plant and equipment	(4615,832)	(7647,542)	(9336,550)	(2270,542)	(1668,461)	(3984,495)
Proceeds on disposal of property, plant & equipment	8,836	444,472	51,089	371,916	556,043	135,490
Net change in investments	(43,518)	(7,856)	(5,223)	146,445	(543,361)	8517,875
<b>Net cash used in investing activities</b>	<b>(4650,514)</b>	<b>(7210,926)</b>	<b>(9290,684)</b>	<b>(1752,181)</b>	<b>(1655,779)</b>	<b>4668,870</b>
<b>Cash flows from financing activities</b>						
Repayment of bank loans	-	-	-	-	(117,554)	(758,359)
Net movement in revenue grants deferred	(1630,802)	728,500	(730,250)	(84,191)	(150,594)	(3420,089)
Capital grants received	-	-	-	-	-	2456,550
<b>Net cash used in financing activities</b>	<b>(1630,802)</b>	<b>728,500</b>	<b>(730,250)</b>	<b>(84,191)</b>	<b>(268,148)</b>	<b>(1721,898)</b>
Net (decrease)/increase in cash and cash equivalents	(17274,295)	(23429,992)	21002,769	(1603,217)	1744,723	(366,127)
Cash and cash equivalents at beginning of year	35083,524	58513,516	37510,747	17243,229	15498,506	15864,633
<b>Cash and cash equivalents at end of year</b>	<b>17809,229</b>	<b>35083,524</b>	<b>58513,516</b>	<b>15640,012</b>	<b>17243,229</b>	<b>15498,506</b>
<b>Cash and cash equivalents</b>						
Cash and short term funds	19796,681	36821,238	-	15640,012	17243,229	15909,851
Bank overdrafts	(1987,452)	(1737,714)	58513,516	-	-	(411,345)
<b>Total cash and cash equivalents</b>	<b>17809,229</b>	<b>35083,524</b>	<b>58513,516</b>	<b>15640,012</b>	<b>17243,229</b>	<b>15498,506</b>

## CHALLENGES FACED BY SWMCOL IN MEETING ITS TARGET

- Frequent equipment downtime – resulting in unfulfilled service commitments and loss of lucrative contracts.
- Disgruntled operational staff – as a result of stalled union negotiations and back-pay, workers made their grievances obvious through poor attendance and failure to service clients in a timely, efficient manner.
- Loss of HDC’s contract- these contracts realized income of approximately \$66,000 per month in General Waste together with the disposal of bulky waste of \$1.56m per year.
- Greater competition from private companies who operate more efficiently and offer package deals to customers.
- Need for resources such as bins and vehicles to establish and service a nationwide school recycling program.
- Due to the restricted allocation, the company is unable to buy new and up- to-date trucks. These have significantly increased our vehicle maintenance costs.

## PROCUREMENT OF RESOURCES

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The Procurement Department continued its effort to efficiently support the growth of SWMCOL and to meet the demands of the various departments with guidance from the appointed Board Tenders Sub Committee.

Procurement activities directly impact the profitability and operational success of SWMCOL. The procurement function has a key strategic role within SWMCOL as it:

- a) Improves the bottom line
- b) Acts as an information source
- c) Increases efficiency and productivity
- d) Improves competitive position and customer satisfaction
- e) Impacts organizational image and social policy
- f) Assists in the attainment of strategic objectives

Since procurement is such an important element to the success of an organization. It is imperative that adequate controls are in place to ensure that these benefits are fully realized. The procurement function shall obtain goods, services and works for SWMCOL at the best value, in a timely manner, abiding by the applicable laws while maintaining fairness to vendors and the highest ethical standards. SWMCOL shall ensure that its procurement policies are congruent with “Standard Procurement Procedures for the Acquisition of goods, Provision of Services, Undertaking Works and Disposal of Unserviceable Item in State Enterprises/ Statutory Bodies (State Agencies)”, Appendix B of the State Enterprises Performance Monitoring Manual.

SWMCOL shall be guided by the principles of **Value for Money, Transparency** and **Accountability**, where:

- a) **Value for Money** is the achievement of the best combination of price and quality to meet the particular needs of SWMCOL within an acceptable time frame.
- b) **Transparency** allows potential suppliers, contractors and consultants to have full access to information on procurement requirements, rules and decision-making criteria.

**Accountability** requires that all persons who have been delegated the authority to commit SWMCOL funds through procurement functions, adhere to the policies contained in this manual and be accountable to their reporting authority for their actions

Over the period October 01, 2015 to September 30, 2016, SWMCOL successfully tendered operational service contracts and procured specialized recycling equipment such as the Edge MPS 48 Modular Picking Station and TRT 622 Trommel. The total contracts awarded for the period was Thirty-Two Million, Three Hundred and Thirty Thousand, One Hundred and Twenty-Two Dollars (\$32,330,122.00).

## INTERNAL AUDIT POLICIES AND PROCEDURES

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The Internal Auditing Department is an independent, objective assurance and consulting activity designed to add value and improve an organization's operations.

The department helps an organization accomplish its objectives by bringing a systematic, disciplined approach to evaluate and improve the effectiveness of risk management, control, and governance processes.

The tools used are:

- Risk management which is a process to identify, assess, manage, and control potential events or situations to provide reasonable assurance regarding the achievement of the organization's objectives.
- Risk is measured in terms of impact and likelihood.
- Financial Standards
- Internal Auditing Standards

Over the period October 01, 2015 to September 30, 2016 the following internal audits were conducted:

<b>Audits during period October 2015 to September 2016</b>		
<b>No.</b>	<b>Audit Work Description</b>	
<b>1</b>	Audits Reports: Tobago Sales; Donated computers	
<b>2</b>	Administrative- Audit Manual; Audit Charter	
<b>3</b>	Retroactive pay audits: Daily paid workers	
<b>4</b>	Operational audits-Reclassification for daily paid	
<b>5</b>	Landfill audits: land fill hiring evaluations	

## ENVIRONMENT POLICY

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The Quality, Health, Safety and Environmental (QHSE) Department provides corporate support services through the implementation of Management Systems that serve to improve and monitor the company's performance in the areas of QHSE. The key QHSE objectives areas are:

<b>Improving the Quality of Products</b>
<b>Services and Operational Efficiency</b>
<b>Legislative Compliance</b>
<b>Risk Reduction and Accident Prevention</b>
<b>Education and Training</b>
<b>Pollution Prevention &amp; Resource Conservation</b>
<b>Business Sustainability and Continual Improvement</b>

## QUALITY PERFORMANCE

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Management continues to support the Company's Document Control System comprising of standardised processes and procedures in efforts to improve the quality service. For the period, 84 documents were prepared achieving a 74% annual target. The main achievement is the internal publication and printing of the "Employee Safety Handbook" which was distributed to all employees and contractors of SWMCOL.

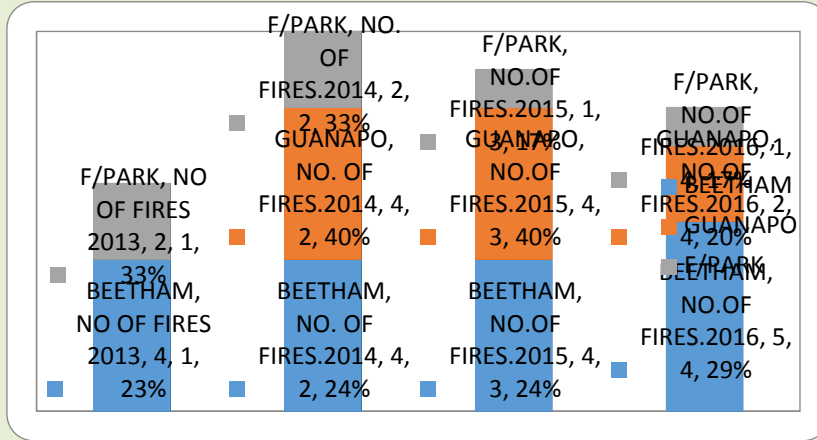
## HSE PERFORMANCE

There was an overall five percent (5%) improvement in the OSHA compliance, mainly attributed to continued improvements in welfare/operational facilities, management systems and the monitoring of environmental quality. Although incremental improvements were made non-compliances remain in the following areas; sub-standard welfare conditions, poor landfill fire prevention and mitigation measures due to the lack of resources to implement daily covering of waste, installation of effective fire response and suppressant infrastructure and equipment. There is a consistent fall in the number of landfill fires, however fires continue to be challenging to control and result in significant health and environmental impacts to the surrounding communities. Main contributing factors remain the uncontrolled and authorised presence of salvagers and their daily burning of waste on the active areas of the site, lack of financial resources and site control to install proper landfill management techniques.

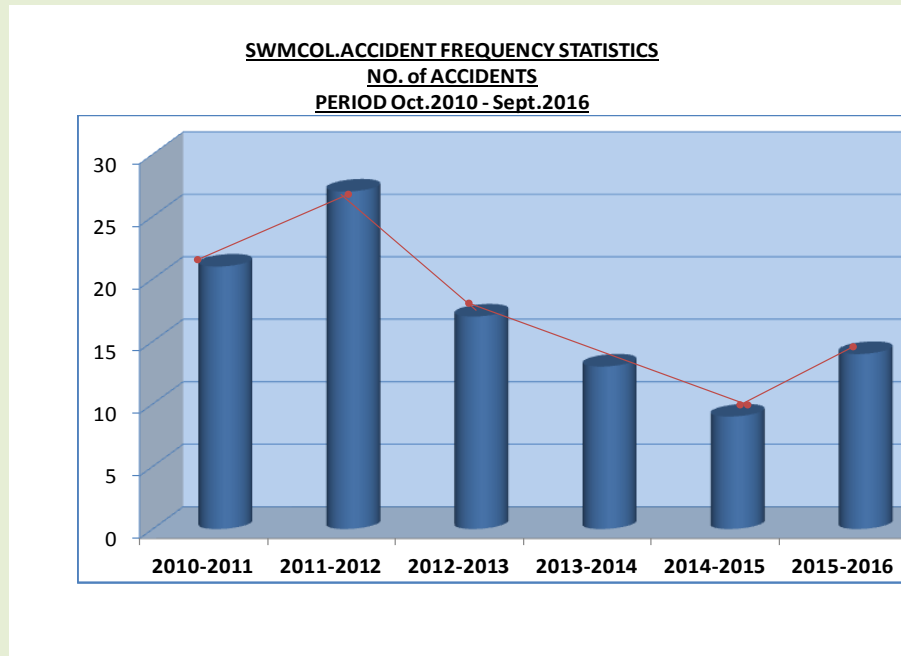
**Table 1.0 Leading and Trailing HSE Performance Indices for 2015-2016**

LEADING HSE KPI'S; partial list			2015-2016
2	Hazard Identification; Number of HSE Inspections		12
3	OSHA COMPLIANCE  (LEGISLATIVE COMPLIANCE)	Scale	2014-2015
		% Compliance	53%
		% Partial Compliance	32%
		% Non-Compliance	15%
4	Number of HSE Tool Box Meetings		75
5	Number of New Employee and Contractor Orientation		16
7	Number of QHSE Training Sessions		69
TRAILING HSE KPI's			

**8. Number of Landfill Fires .2016 = 8**



**9. Number of Accidents for 2016 =-14**



## COMMUNITY SERVICE PROGRAMMES AND POLICIES

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The Public Education Department continued the roll-out of its Community & Youth Outreach Programme (CYOP) that was launched in January, 2012. Themed ‘My Community, My Responsibility’ the CYOP aims to sensitize communities across Trinidad & Tobago on the importance of proper waste management to the health of people, animals and the environment. The main objectives of the CYOP include:

- involving members of the community in an environmental education process aimed at generating awareness of the dangers of poor waste management;
- sensitizing the local communities on the need to protect and conserve their environment, particularly where there are threats to delicate eco-systems, watersheds or areas of historical value;
- encouraging community leaders, teachers and mass media to use their clout to address local environmental issues;
- encouraging youths to be part of the solution to some of the problems within their immediate communities and, ultimately, the national environment;
- transforming the attitudes within the wider community to one of civic pride, responsibility, and respect for the environment; and
- building capacity within each community such that citizens are empowered with the knowledge and resources to sustain their environmental conservation programmes.

The Research & Information Unit falls under the umbrella of the Public Education Department. It consists of a special collection of educational material which focuses primarily on waste management issues. Its functions are to:

- compile and circulate information gathered from daily newspapers, including topical articles, tender notices, etc. In addition, circulation of periodicals, government publications, internet and journal articles on topics relevant to the company’s services;
- research and provide information on waste types and waste management issues to students and members of the public, as well as to support internal projects and reports;
- assist management and staff with research projects, providing information from internal library collection, internet, inter-library loans, or purchase of materials locally or internationally; and
- maintain an up-to-date database of local, regional and international waste management issues.



## MAJOR ACHIEVEMENTS OF COMMUNITY SERVICE PROGRAMMES

<b>Public Awareness Campaign</b>	<p>In February 2016, SWMCOL received .5M from the Public Sector Investment Programme to undertake a one-year Public Awareness Campaign. Some of the components of the Campaign achieved during the period April-September 2016 are listed hereunder.</p>
<b>Tunapuna/Piarco Pilot Curbside Recycling Project</b>	<p>Public Education played a key role in the roll-out and ultimate success of this programme which undertook the curbside collection of post-consumer beverage containers in communities within the East Grove, Dinsley and Trincity areas. Flyers and posters highlighting the collection days and how-to's were distributed door-to-door within the 13 participating communities and schools. Lines of communication were established via social media and email to address collection issues and other teething problems. Material collected was taken to SWMCOL's Beverage Container Recycling Facility where quantities were recorded before being processed.</p>
<b>Educational Eco-Products</b>	<p>SWMCOL developed two (2) original, educational products aimed at children 5 years and up.</p> <ol style="list-style-type: none"> <li>(1) The <i>Island Eco-Trip Board Game</i> takes players on a one-way trip to a recycling depot, learning valuable lessons about environmental conservation and recycling along the way.</li> <li>(2) The <i>Folio &amp; Friends Eco-Activity &amp; Colouring Book</i> seeks to reinforce lessons shared at the primary level about recycling, water conservation, and more.</li> </ol> <p>Games and books were promoted and distributed during CYOP events at schools and public exhibitions.</p>
<b>Environmental Awareness Competitions</b>	<p>Two (2) competitions were staged:</p> <ol style="list-style-type: none"> <li>(i) The "<i>Eyesore I Saw</i>" Competition encouraged citizens (from the secondary school level upwards) to become more aware of their environment by posting photographs of perennially littered public spaces via Facebook, along with suggestions on how the spaces can be sustainably remediated. Cash prizes were awarded to the three (3) top winners.</li> <li>(ii) The "<i>Litter Song</i>" Competition targeted primary schools who were asked to video record one or more children singing a short jingle about littering and recycling and post the video to SWMCOL's Facebook page where the public can vote on the best entry. Cash prizes were awarded to winners and runners-up.</li> </ol>
<b>Tobago Pride</b>	<p>SWMCOL submitted a proposal to the Tobago House of Assembly on an</p>

<b>Project</b>	island-wide campaign to brand Tobago “ <i>Clean, Green, Safe and Serene</i> ”. The first phase of the initiative commenced with the “greening” of the 2016 Tobago Heritage Festival. During July to October 2016, recycling centers were established at each Festival event venue to facilitate capture of post-consumer beverage containers.
<b>Community &amp; Youth Outreach Programme (CYOP)</b>	Over 7,500 adults and children reached via educational programmes at schools, corporate events, and public exhibitions.
<b>Success/Laventille Lions Club Project</b>	SWMCOL participated in the Lions Club Plastics Recycling Project by conducting an educational programme on “Plastics & Our Environment” at five (5) primary schools in the Success/Laventille area. The programme successfully reached 228 students and 13 teachers during the period 2017 March 09-17.
<b>United Way’s National Day of Caring</b>	The United Way’s National Day of Caring (NDOC) took place on 2016 May 22. One of the NDOC initiatives was a one-day, nationwide recycling programme and material collected was accepted by SWMCOL’s Beverage Container Recycling Facility for sorting and processing.

**OPERATIONAL ISSUES**

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Beetham Landfill

Waste disposal at the Beetham Landfill started around 1964 and continued essentially in an uncontrolled manner until 1983 when management of the facility fell to SWMCOL. The site receives waste mainly from the North-West Region (as far east as Curepe) and mainly includes: domestic, special and hazardous wastes. Key statistics recorded for the Beetham Landfill for the period 2015 to 2016 are below.

**Key Statistics for the Beetham Landfill (2015-2016)**

Details	Year	
	2015	2016
<b>Total Annual No. of Vehicles</b>	187,027	324,887
<b>Monthly Average No. of Vehicles</b>	15,586	27,074
<b>Daily Average No. of Vehicles</b>	511	888
<b>Total Estimated Annual Tonnes</b>	210,056	291,760
<b>Monthly Average Tonnes</b>	17,505	24,313
<b>Daily Average Tonnes</b>	574	797

### Forres Park Landfill

Operations started at the Forres Park Landfill in 1983 and the site has been managed by SWMCOL since the start of its operations. This site is the only one of the three (3) landfills managed by SWMCOL that was designed as an engineered landfill and incorporates landfill gas and leachate management systems. Waste entering this landfill is generated mainly from central and southern regions of Trinidad and mainly includes: domestic, special and hazardous wastes. Key statistics recorded for the Forres Park Landfill for the period 2015 to 2016 are shown below.

### Key Statistics Recorded for the Forres Park Landfill (2015-2016)

Details	Year	
	2015	2016
<b>Total Annual No. of Vehicles</b>	120,490	117,657
<b>Monthly Average No. of Vehicles</b>	10,041	9,805
<b>Daily Average No. of Vehicles</b>	329	321
<b>Total Estimated Annual Tonnes</b>	226,047	223,216

<b>Monthly Average Tonnes</b>	18,837	18,601
<b>Daily Average Tonnes</b>	618	610

### Guanapo Landfill

The Guanapo Landfill began operations in 1964 and was managed by the then County Council (now the Tunapuna-Piarco Regional Corporation). SWMCOL took over management of the facility in 1983. Waste entering this landfill is generated mainly from the north-eastern regions and includes mainly domestic wastes. Key statistics recorded for the Guanapo Landfill for the period 2015 to 2016 are shown below.

#### Key Statistics Recorded for the Guanapo Landfill (2015-2016)

Details	Year	
	2015	2016
<b>Total Annual No. of Vehicles</b>	40,112	39,065
<b>Monthly Average No. of Vehicles</b>	3,343	3,255
<b>Daily Average No. of Vehicles</b>	110	107
<b>Total Estimated Annual Tonnes</b>	78,731	80,650
<b>Monthly Average Tonnes</b>	6,561	6,721
<b>Daily Average Tonnes</b>	216	221

### Operational Issues at Landfill Sites

The efficient operations of the Landfill sites managed by SWMCOL continued to be constrained for the Fiscal Year 2016. SWMCOL budgeted draft estimate for recurrent expenditure for the period was One and Eight Million, Three Hundred and Seventy-Two Thousand, Nine Hundred and Fifty-Six Dollars (\$108,372,956.00), while the actual expenditure was Seven Six Million, Five Hundred and Fifty Three Thousand, Five Hundred and Eighty Three Dollars (\$76,553,583) however, the Ministry of Finance allocated Seventy-Five Million, One Hundred and Fifty Thousand Dollars (\$75,150,000) for the period. As a result, several operational issues,

including environmental monitoring were constrained. The main operational issues faced at all the disposal sites are outlined below.

Site	ISSUES									
	Is the site at the end of its useful life?	Is the site engineered?	Are tipping fees charged?	Is there a weigh-bridge?	Are there leachate ponds?	Is there adequate gas venting?	Is ground-water monitored routinely?	Is there daily cover?	Is waste compacted ?	Is air quality monitored routinely?
<b>Beetham</b>	Y	N	N	N	N	N	N	N	N	N
<b>Forres Park</b>	N	Y	N	N	Y	N	N	N	N	N
<b>Guanapo</b>	Y	N	N	N	Y	N	N	N	N	N

### Waste Salvaging and Landfill Fires

Of all the landfill sites in Trinidad, Beetham is most impacted by the informal sector of salvagers. SWMCOL estimates that 150 illegal salvagers operate within the Beetham Landfill. Salvagers routinely excavate previously covered areas within the landfill in order to access recyclable metal from wastes disposed and then set fires to separate the metal from their recovered waste. All three landfill sites are bounded by communities that are adversely affected by uncontained landfill fires. For the fiscal year 2016, SWMCOL experienced eight (8) landfill fires of which four (4) were major fires at its landfill sites. The total cost to extinguish those fires was estimated to be \$833,000.

### ACHIEVEMENT & PRIORITY AREAS FY2016

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- **Establishment of a Pilot Material Recovery Facility at Guanapo Site.**

SWMCOL procured a trommel and picking station to initiate the operations of a Materials Recovery Facility at the Guanapo Landfill site. This equipment would be used to sort recyclable wastes from the comingled municipal solid waste collected from the service areas of St. Augustine to Toco and southwards to Mayaro. With the introduction of the equipment, it is note worthy to highlight the employment of 40 persons, 2 of whom were salvagers. This presented an opportunity to improve the quality of life for the salvagers and their families.



- **Collaboration with the University of the West Indies (UWI) – Trinidad and Tobago Research and Development Impact Fund and the Guanapo Community Development Group** to undertake a full characterization and remodeling exercise of the Guanapo Landfill to assess the impact of the operations of the Guanapo Landfill to the surrounding environment and communities.

- **Launch of the Island Eco-Trip Board Game and Folio & Friends Eco-Activity and Colouring Book**

On May 25<sup>th</sup>, 2016, SWMCOL proudly launched its Eco-Trip Board Game and Folio & Friends



Friends Eco-Activity and Colouring Book at the Tranquility Government Primary School. The board game and activity book introduces a team of cartoon eco-heroes called Folio and Friends while Charlie the Litterbug is featured with his band of mischief-makers, the Binions. Both initiatives seek to engage its targeted audience and reinforce SWMCOL’s public education and awareness message of waste reduction, reuse, recycling and energy conservation.

- **Shipment of 1.2 Million PET bottles shipped to Rotterdam, Amsterdam**

In May, 2016 SWMCOL successfully recovered 1.2 Million polyethylene terephthalate (PET) plastic bottles which was shipped to Rotterdam, Amsterdam for further processing to help manufacture new products.

**Pilot Curb-side Recycling Collection Project in partnership with the Tunapuna/ Piarco Regional Corporation:**



In April, 2016 SWMCOL partnered with the Tunapuna/ Piarco Regional Corporation to undertake a six (6) months pilot segregated curb-side collection project to collect post-consumer beverage containers such as glass, plastic, cans and tetra-paks on a weekly basis. As a result of the ongoing success of the project, the service areas were expanded from the original eight (8) residential areas and three (3) schools to the following thirteen (13) residential areas and five (5) schools:

<b>RESIDENTIAL</b>	Millennium Lakes (East Gate on the Greens); Millennium Park; Sunrise Park; Lime Grove; Dinsley; Cazabon; Cane Farm; Roland; St. Claire; Casselton; Montague; Beaulieu; De La Marre.
<b>SCHOOLS</b>	Tacarigua Presbyterian Primary School, Tacarigua Anglican Primary School; Sital College of Tertiary Education; Dinsley/Trincity Government Primary; Bishop Anstey & Trinity College East.

- **National Solid Waste Management Strategy and Action Plan**

Under the Water and Sanitation Initiative (GN-2446-2), the Inter-American Development Bank is assisting the Government of the Republic of Trinidad (GORTT) to develop a National Solid Waste Management Strategy and Action Plan to propose solutions to the sector challenges. An Inter-Ministerial Committee charged with oversight on the development of this Plan was established for the period March to November, 2015. However, prior to the submission of the Final Report to the Inter-Ministerial Committee by the Consultant, the tenure of the Inter-Ministerial Committee expired. As such, there is need to reconstitute the Cabinet-appointed Inter-Ministerial Committee under the Chairmanship of SWMCOL to provide oversight for the completion of the Solid Waste Management Strategic Plan for Trinidad and Tobago was submitted to Cabinet in FY2016. This matter is presently before Cabinet.

- **GEF-UNIDO Regional Project - Development and Implementation of a Sustainable Management Mechanism for Persistent Organic Pollutants (POPs) in the Caribbean**

SWMCOL has partnered with the Global Environmental Fund, United Nations Industrial Development Organisation (UNIDO) and the Basel Convention Regional Centre for the Caribbean to undertake this integrated project for the Caribbean region. The project seeks to build both institutional and human resource capacity to deal with the impacts of both intentionally and unintentionally produced Persistent Organic Pollutants (POPs) in eight (8) of the Caribbean countries that are parties to the Stockholm Convention. The key activities of this project include:

- Prioritization and selection of candidate sites for remediation;
- Development of site remediation plan for one site; and
- Demonstration of remediation on one contaminated site.

- **Development of Engineered Sanitary Landfill Conceptual Designs**

SWMCOL has engaged a consultant for FY2016, to develop the conceptual designs for the Engineered Sanitary Landfill at Forres Park at an estimated cost of \$501,000. Subsequent to the development of the conceptual designs, SWMCOL would undertake the development of the detailed designs and the preparation of the tender documents for the construction of the new engineered landfill in fiscal year 2017.

- **Phase II – Beverage Containers Recycling Project**



In undertaking the Beverage Containers Cleanup Project in partnership with the Environment Management Authority (EMA), a polyethylene terephthalate (PET) Plant was installed at SWMCOL's Sealots Recycling Facility. SWMCOL recovered and processed the following recyclables as at FY2016:

<b>Plastics</b>	<b>Glass</b>	<b>Aluminum Cans</b>
4,557,469	762,871	535,694

## **PLANS FOR FY2017**

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In the upcoming year (2017), SWMCOL plans to undertake an evaluation of its current Infrastructure Communications and Technology (ICT) infrastructure and systems with the objective of improving the efficiency and adopting best practice standards. It was determined that the existing ICT system and infrastructure does not adequately facilitate the efficient use and management of information to support the operations or business continuity of SWMCOL.

In addition, SWMCOL intends to develop key national infrastructure for the treatment and disposal of waste in a manner that is environmentally safe and meets international waste management standards.

SWMCOL plans to promote self-sustainability through the introduction of adequate cost recovery and revenue generation measures and increase public awareness and education in proper waste management practices and public participation in waste recovery and recycling.