

# Annual Report

Saint Lucia Solid Waste Management Authority



2012-2013



*Our Mission:*

*To enhance Saint Lucia's environmental integrity and the health of her people through the provision and management of an integrated system for public education and awareness and for the collection, treatment, recycling and disposal of solid and hazardous waste.*

*Saint Lucia Solid Waste Management Authority*  
*Annual Report*

# **SAINT LUCIA SOLID WASTE MANAGEMENT AUTHORITY ANNUAL REPORT**

**APRIL 2012 – MARCH 2013**

**SAINT LUCIA SOLID WASTE MANAGEMENT AUTHORITY**

**SAINT LUCIA SOLID WASTE MANAGEMENT AUTHORITY**

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## **CONTACT INFORMATION**

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### **WEBSITE**

[www.sluswma.org](http://www.sluswma.org)  
[www.groups.yahoo.com/group/slswma](http://www.groups.yahoo.com/group/slswma)

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### **EXTERNAL AUDITORS**

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Mercury Court  
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P.O. Box 364  
Castries  
Saint Lucia

### **SOLICITOR**

Greene Nelson & Associates  
33 Brazil Street  
P.O. Box GM626  
Castries

Saint Lucia

## BOARD OF DIRECTORS



**Mr. John Husbands**  
*Minister's Appointee*



**Mr. Sylvester Clauzel**  
*Permanent Secretary, Ministry of Sustainable  
Development, Energy, Science and Technology*



**Mr. Urban Clovis**  
*Minister's Appointee*



**Mr. Agosta Degazon**  
*Director of Finance, Ministry of Finance*



**Mr. Ross Gardner**  
*Representative, Saint Lucia Chamber of  
Commerce*



**Mr. Justin R. Sealy**  
*Representative, Association of Professional  
Engineers of Saint Lucia*



**Ms. Luvette Louisy**  
*Minister's Appointee*



**Ms. Joana Raynold Arthurton**  
*Permanent Secretary, Ministry of Social Transformation*



**Mr. Nicholas Pinnock**  
*Representative, Saint Lucia Hotel and Tourism Association*



**Mrs. Brender Portland-Reynolds**  
*Senior Crown Counsel, Attorney General's Chambers*



**Ms. Cointha Thomas**  
*Permanent Secretary, Ministry of Health, Wellness, Human Services and Gender Relations*

## HEAD OFFICE



**Mr. Atkinson Alcide**  
*Accountant*



**Mr. Dunley Auguste**  
*General Manager*



**Mr. Laurianus Lesfloris**  
*Deputy General Manager/ Operations*



**Ms. Marva Hippolyte**  
*Education & Public Information Assistant*



**Ms. Emlyn Jean**  
*Education & Public Information Manager*



**Mrs. Arlett Monrose-Ruiz**  
*Administrative Assistant*



**Ms. Janet Niles**  
*Office Assistant*



**Mrs. Julien St. Helen-Fontenelle**  
*Accounting Assistant*

# DEGLOS SANITARY LANDFILL



**Ms. Marie Dalsan**  
*Assistant Deputy General Manager/Operations*



**Mr. Burke Leonce**  
*Zonal Supervisor*



**Mr. Cassian Henry**  
*Zonal Supervisor*



**Mr. Peter Biscette**  
*Heavy Equipment Operator*



**Mr. Davis Mathurin**  
*Weighbridge Attendant*



**Mr. Marlon Houson**  
*Weighbridge Attendant*



**Mr. Densroy Williams**  
*Heavy Equipment Operator*



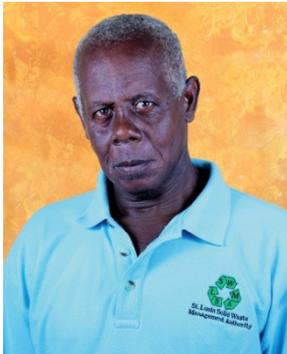
**Mr. Cornelius Montoute**  
*Spotter*



**Mr. Verl Emmanuel**  
*Spotter*



**Mr. Elon Moses**  
*Tire Shredder Operator*



**Mr. Allan Paul**  
*Spotter*



**Mr. Joseph Jules**  
*Spotter*



**Mr. Dannelle Mitchel**  
*Landscaper*



**Mr. Jonus Jeremie**  
*Landscaper*

# VIEUX-FORT SOLID WASTE MANAGEMENT FACILITY



**Ms. Wendy Eristhee**  
*Zonal Supervisor*



**Mr. Davis Poleon**  
*Zonal Supervisor*



**Mr. Linus McFarlane**  
*Heavy Equipment Operator*



**Mr. Shilton Charles**  
*Weighbridge Attendant*



**Ms. Selma Ferdinand**  
*Weighbridge Attendant*



**Mr. Peter Talla**  
*Heavy Equipment Operator*



**Mr. Curtis Isidore**  
*Spotter*



**Mr. Sylvester George**  
*Spotter*



## ***CHAIRPERSON'S MESSAGE***

The period under review has been one of both change and challenges for the Authority as it endeavoured to contribute to the enhancement of the country's environmental integrity and the general health of its people.

As its core function, the Authority is mandated to manage, regulate and treat waste either alone or in conjunction with private companies or organizations. How have we accomplished this over the last year?

The year commenced with the appointment of a new Board of Directors and the appointment of a General Manager during the second half of the financial year. Much attention was given to human resource management, given its critical role in the effective functioning of the organization, including the appointment of staff to fill all of the positions which had become vacant.

On the operational front the organization, through its solid waste collection contractors, continued to collect solid waste from residential properties, institutions and government/public offices. Additionally, the Authority provided for the disposal of solid waste through the management of the Deglos Sanitary Landfill and the Vieux-Fort Solid Waste Management Facility.

The Authority also played an important role in stimulating change in behaviour. Through an island wide education program, it helped the various publics understand the importance of taking responsibility for their waste and, how to contribute to general waste management.

This is not to say that there were no challenges.

Management of the finances of the organization proved to be a difficult task. Significant challenges were experienced with cash flow. Maintenance costs associated with aging and faulty equipment as well as equipment rental were the major contributing factors as the organization continued operating a system that has remained essentially the same since inception. The organization was however able to sustain itself due to the availability of funds previously committed to the settlement of an old dispute over the construction of the Deglos Sanitary Landfill.

The Board of Directors however remains committed to the positioning of the organization for future growth and sustainability through continuous examination of the existing policies, the role of the organization, and how it can continue to be a valuable asset to the nation.

Over the past reporting period our efforts, though compromised by significant challenges, have paid dividends as is illustrated in our 2013 Annual Report. None of this would have been possible without the contributions of the dedicated staff and members of the Board of Directors. I take the opportunity to thank both groups for their efforts.

On behalf of the Board of Directors I am honoured to present the Authority's annual report for fiscal year April 2012 to March 2013.

## **EXECUTIVE SUMMARY**

The Saint Lucia Solid Waste Management Authority (SLSWMA), experienced mixed fortunes, during the reporting period, as it struggled to fulfill its role of enhancing the public health of Saint Lucians, through the maintenance of waste collection services throughout the island, in collaboration with other stakeholders of relevance to environmental management.

The year under review ushered in a change in both the governance as well as management of the Authority. A new Board of Directors was appointed and took office in April and, a new General Manager was appointed in November, 2012.

It was not long before the task at hand began unraveling, as the Board undertook to complete an already initiated process of restructuring the Authority, whereby the prevalence of a long standing staff contract arrangement was replaced by a permanent establishment, and an already approved Human Resource Policy was subject to review to ensure compliance with the newly enacted Labour Code. Meanwhile, the Board presided over the process of the selection of staff to fill vacancies to facilitate the smooth operation of collection zone monitoring.

The reporting period saw a significant decline in the financial position of the Authority, as had been alluded to in previous audited financial statements. The statement for the current period reflects the largest deficit in the history of the body, as significant expenditures had to be undertaken in an effort to facilitate continuation of its operations. High maintenance cost of old and deteriorating heavy equipment, along with rental of private machines during down time, as well as capital works necessary to undertake commissioning of procured equipment have contributed to the decline in financial position.

In spite of the foregone, the work programme of the Authority progressed and is reflected in the body of the report. There are signs that the public has recognized the importance of waste management to health as is reflected in the number of complaints received relating to non-collection of waste and, illegal dumping in particular.

The passage of legislation establishing Constituency Councils to replace the previously existing City, Town, and Village Councils, whereby the new entities have inherited a broader scale of operations with potential to yield an increase in waste within the entities' jurisdictions, presents a challenge in the implementation of existing collection contracts with waste haulers. This development and the potential to generate additional waste will need to be considered for review and possible revision of approach, in preparation for the pending contracting period.

There are indications from the monitoring of collection zones that many privately operating commercial houses have yet to take responsibility for their waste disposal, and are utilizing residential waste collection bins for disposal of their commercial waste. Efforts are ongoing to encourage compliance with the Waste Management Act through interaction with commercial houses in identified problem areas.

The Authority, in its quest to advance the progress of solid waste management in the country, commissioned a study to assess the state of knowledge, attitudes, and practices of the population with the intention of undertaking a promotional campaign aimed at the segregation of waste at source, and to divert non bio-degradable materials away from the landfills, waterways and coastal areas. It is anticipated that such a development would facilitate the development of a formal group of recyclers that have, by and large, operated with very little collaboration with the Authority.

The Authority looks forward to the future, with the hope that its programmes will be adequately supported financially, thus enabling the achievement of its mission.

General Administration

Human Resource  
& Planning

Administrative  
Assistant

Secretary

Administration  
Department

**OVERVIEW**

The Administration Department continues its function as the hub of the Authority, supporting the various departments in the processing of documents, ensuring that information is disseminated internally and by extension to the wider public in a timely manner. The Department also ensures that all correspondence is filed in a methodical manner for ease of retrieval for future reference.

The Department also offers its support to the Board of Directors by informing members of scheduled meetings, processing of minutes of Board meetings and the preparation of papers for Board Committee meetings. The following table summarizes the Board and Board Committee meetings facilitated for the period under review:

<b>Meetings</b>	<b>Nos.</b>
Board of Directors	7
Technical Committee	4
Human Resource Committee	6
Finance Committee	5
Legal Committee	1
<b>Total</b>	23

**NEW APPOINTMENTS**

The Authority recruited the following staff during the year:

<b>Name</b>	<b>Position</b>	<b>Location</b>	<b>Start Date</b>
Elon Moses	Tire Shredder Operator	Deglos	June, 2012
Dannelle Michel	Landscaper	Deglos	June, 2012
Dunley Auguste	General Manager	Head Office	Nov., 2012

Burke Leonce	Zonal Supervisor	Deglos	Nov., 2012
Davis Poleon	Zonal Supervisor	Vieux fort	Jan., 2013

### **PROMOTIONS**

The Authority promoted two officers during the year:

<b>Name</b>	<b>Position</b>	<b>Location</b>
Mr. Laurianus Lesfloris	Deputy General Manager	Head Office
Mr. Marie Dalsan	Operations & Landfill Manager	Deglos Sanitary Landfill

### **RESIGNATIONS**

Two Zonal Supervisors terminated their employee with the Authority during the year:

<b>Name</b>	<b>Position</b>	<b>Date</b>
Gem Hutchinson-Reyolds	Zonal Supervisor	June, 2012
Rentha Francis	Zonal Supervisor	November, 2012

### **TRAINING**

The Authority encourages staff in the enhancement of the knowledge and, as always welcome every avenue for training. During the period under review, staff of the Authority participated in the following training programmes:-

<b>Period</b>	<b>Name</b>	<b>Mission</b>	<b>Sponsor</b>	<b>Host Country</b>
May 21 - 25, 2012	Ms. Marie Dalsan	Sixth Biennial Caribbean Environmental Forum & Exhibition & 16 <sup>th</sup> Wider Caribbean Waste Management Conference (ReCaribe)	Caribbean Environmental Health Institute	St..Kitts/ Nevis
Aug 27 – Sept 13, 2012	Mr. Cassian Henry	Management of Composting Project Composting	JICA,	Japan
Feb.12 - 13, 2013	Mr. Laurianus Lesfloris	Global Workshop on the Facilitation of the Entry into Force of the Ban Amendment	Basel Convention	El Salvador

### **Waste Haulage Licenses**

The Authority issued twenty (20) waste haulage licenses to persons hauling waste to the Deglos Sanitary Landfill and the Vieux Fort Solid Waste Management Facility during the year.

# EDUCATION DEPARTMENT

Education & Public Relations

Education & Public  
Information Manager

Education & Public  
Information Assistant

## OVERVIEW

Education and public awareness continued to be a core component of the mandate of the Saint Lucia Solid Waste Management Authority all in an effort to promote the need for a clean and healthy environment. Messages and information were disseminated through the print and electronic media with radio, television, brochures, posters, flyers and the internet being the most widely utilized. School and community outreach initiatives were also substantive components of the education programme.

### School Outreach Programme

During the period under review, the Authority facilitated seventy-nine (79) presentations all in an effort to promote positive waste management practices among the school population and various publics (Appendix A, Table 1). With respect to schools, presentations were undertaken upon request. Most presentations sought to address waste management issues faced by the individual school and were either conducted at school assemblies or at the level of the individual classroom. Students, staff and in rare cases ancillary staff were engaged in discussions pertaining to issues such as littering, waste minimization, composting and the impacts of poor waste management.

A notable component of the school outreach programme was undertaken in collaboration with PCI Media Impact and other agencies with an environmental mandate namely Sustainable Development Division, Biodiversity Unit, Forestry Department, Saint Lucia National Trust and the Department of Fisheries. The initiative sensitized students about the value of the island's biodiversity with special emphasis on mangroves, specifically the *Mankòtè Mangrove*, and its role in climate change. Through oral presentations, mascots and song, linkages among the various components of the environment and the work of the various agencies was highlighted. The Authority facilitated appearances by Tin Tin, the mascot of the Authority and educational presentations highlighting the importance of proper solid waste management and the negative impacts of poor waste management on our natural resources. Twenty-two

(22) schools (Appendix A, Table 2) spanning the communities of Mon Repos to Saltibus benefitted from the initiative.

Presentations were also conducted to communities and participants of various community workshops. Presentations focused on the various waste streams produced, littering, proper waste management practices and the impacts of poor waste management.

In the absence of an awards ceremony in recognition of participating schools during the 2011 Antilitter Schools' Marches the Authority during the period under review recognized all schools for their participation during the activity (Appendix A, Table 3). Each participating school received a surprised visit from staff of the Education Department and was presented with awards and or certificates as well as a token of appreciation. Much to the surprise of the staff of the Education Department, the exercise was well received by all twenty-two schools as principals/teachers hastily called impromptu school and/or class assemblies to facilitate formal receipt of the award and documentation of the activity.

### **Community Outreach Programme**

The Department in collaboration with Zonal Supervisors of the Operations Department continued efforts at the abatement of community hotspots and nuisances associated with communal bins. In an effort to garner support, promote ownership/buy in and success with respect to the proposed changes to the collection methodology residents of the affected communities were consulted through house to house visits, formal and informal meetings and the electronic media to a lesser extent. Successful interventions were recorded in the communities of Marchand Road (near the post office), Balata (after numerous complaints from the school principal given the health hazard associated with the communal bins located near the school) and Barre St. Joseph (complete bin

removal exercise in lieu of a proposal from the community to house all bins in concrete structures at the various points along the community road).

One notable success was the total transformation of the Bisee collection point a once prominent eyesore and health hazard which plagued the community for years. The initiative undertaken in collaboration with residents of the community, the Sandals Foundation and the staff of the Sandals Resorts resulted in a major cleanup activity and transformation of the space into a green area adorned with flowers and food crops presently maintained under the short term employment programme.

Dumping in the Marchand River continues to be a challenge despite house to house visits and letter/flyer drop-offs and numerous interventions over the years.

### **Community Cleanup Activities**

The Authority continued to encourage communities to undertake voluntary cleanup activities whenever necessary, as not all communities were regularly serviced by the various City/Town and Village Councils or government sponsored cleanup programmes. The number of cleanup activities however continues to decrease due to the cleanup programmes undertaken by the Short Term Employment Programme (STEP), National Initiative to Create Employment (NICE) and the Caretakers programme. During the period under review, the Authority provided support to twenty-two cleanup activities through the provision of garbage bags and gloves (Appendix A, Table 3). Waste collection contractors for the area assisted with the transportation of waste to the landfill sites.

### **Tours of Deglos Sanitary Landfill and Vieux-Fort Solid Waste Management Facility**

The Department facilitated school visits to the Deglos Sanitary Landfill and the Vieux-Fort Solid Waste Management Facility. Site visits usually served as culmination activities for studies in waste management and pollution as waste management is an

integral component of the physical and social science curriculum of the Ministry of Education. Approximately eight hundred and fifty-four (854) students accompanied by their teachers were accommodated at the sites during the period under review (Appendix A, Table 4 A & B). Site visits also afforded staff of the Authority the opportunity to stress the need/importance for proper management of waste at the household and community level in order that all be transported and disposed of at the two authorized sites for sanitary management.

### **Public Complaints**

The department continued to manage complaints received from the public. During the reporting period three hundred and sixty-one (361) public complaints were received and recorded into the complaints database. All complaints received were forwarded to the operations department for investigation and closure. Assistance was provided with complaints which did not require field investigations e.g. complaints with respect to dead animals and missed collections.

### **Print Media**

The use of the print media such as newspapers, brochures, flyers and letters was generally limited to specific issues and target audiences in an effort to ensure that the target audience remained the focus and wastage and possible littering were minimized.

Letter/flyers were produced and distributed to target communities with specific solid waste management issues such as noncompliance with respect to collection days, use of communal bins, change in methodology for solid waste collection etc. Letters/flyers highlighted the waste management issues and the corrective actions to be undertaken by the targeted community. Six hundred and forty one (641) letters/flyers were distributed to households in twenty – one (21) communities during various interventions (Appendix A, Table 5).

The Authority through the hurricane supplements of the voice and star newspapers highlighted the proper management of solid waste during the hurricane season and in the event of disaster all in an effort to ensure awareness of the requirements for waste management.

The production and electronic distribution of the quarterly newsletter 'SLUSWMA News' continued during the period under review. The Department continued to update the email list in order to ensure that the newsletter was circulated among as many persons as possible.

Sensitization of the public was undertaken during a number of exhibitions/expos in conjunction with organizers of these events. Four of these activities were utilized to promote good waste management practices (Appendix A, Table 6 ). Exhibits/displays highlighted issues and information about solid waste management in keeping with the theme of the event.

## **Electronic Media**

### *Press Releases*

During the period under review nine (9) press releases were issued (Appendix A, Table 8) to all media houses and followed by impromptu radio and television interviews highlighting the various waste management concerns and the corrective action. Impromptu radio and television interviews were also facilitated when initiated by news reporters. Press releases were also disseminated through the Authority's Yahoo Groups.

### *Public Service Announcements (PSAs)*

Radio and television public service announcements (English & Creole) addressing various waste management issues were aired on radio stations and television stations. Two (2) PSAs were aired over the period under review (Appendix A, Table 9). Public Service Announcements encouraged the practice of proper waste management among the public.

## Appendix A

**Table 1: School/Private/Public Presentations**

<b>Public/Private Sector Name</b>	<b>No. of Presentations</b>	<b>No. of Participants</b>
Vieux-Fort Primary School	1	100
Vieux-Fort Comprehensive Secondary School Campus B	15	460
Staff Vieux-Fort Comprehensive Secondary School Campus B	1	40
Environmental Committee Vieux-Fort Comprehensive Secondary School Campus B	1	15
Janitors, caretakers Vieux-Fort Comprehensive Secondary School Campus B	1	8
Laborie Development Foundation Summer Camp	1	60
Cultural Development Foundation Laborie Summer Camp	1	40
Lamaze Summer Camp	1	25
Roblot Library Summer Programme	1	35
Mongouge Library Summer Programme	1	40
Choiseul Village Library Summer Camp	1	50
Choiseul Scouts	1	60
Royal Saint Lucia Police Community relations Branch Summer Camp, Laborie	1	60
Royal Saint Lucia Police Community Relations Branch Summer Camp in Banse	1	40
Social Development Fund summer programme, Soufriere	1	75
Coconut Bay (composting)	1	10
Micoud Library summer workshop	1	35
Ti Rocher Library summer workshop	1	40
Harvest pentecostal church summer workshop	1	56

Belle Vue summer workshop	2	50
AnseGer summer workshop	1	24
Vieux-Fort Library Workshop	1	35
Solid Rock Pentecostal Church Daily vocational bible school	1	85
Micoud Secondary School	1	18
Vieux-Fort Technical Secondary School	1	50
Student Nurses SALCC	1	12
Teenagers in-service education programme - Cul de Sac Mothers' & Fathers' Group	1	35
Ministry of Health/Ministry of Sustainable Development workshop	1	150
Ti Colon/Barre St. Joseph Development Committee summer workshop	1	45
Montesorri Centre, Rodney Height	1	30
New Discoveries Learning Centre	1	35
La Guerre Primary School	1	30
Vendors, Jounen Creole Activities	2	40
Lucelec staff	1	19
Parents, Belle Vue Combined School	1	16
PCI Media Impact Collaboration (schools from Mon Repos to Saltibus)	22	4820
Vendors, Desruisseaux	1	5
Vendors, Ti Rocher	1	2
Vendors, fish market	1	20
Vendors, food court	1	25
Barre St. Joseph	1	30
Bexon Community	1	40
<b>TOTAL</b>	<b>79</b>	<b>6865</b>

**Table 2: Participating Schools, PCI Media Impact Collaboration**

<b>School Name</b>	<b>School Population</b>
Mon Repos Combined School	160
Emmanuel SDA Combined School	109
Patience Combined School	131
Micoud Infant School	187
Micoud Primary School	248
Blanchard Combined School	194
Ti Rocher (Micoud) Combined School	189
Augier Combined School	325
Belle Vue Combined School	166
Grace Combined School	144
Pierrot Combined School	270
Plain View Combined School	620
Vieux-Fort Infant	235
Vieux-Fort Primary	347
Vigier Combined School	52
Banse La Grace Combined School	100
Laborie Boys' Primary	125
Laborie Girls' Primary	123
Piaye Combined School	101
Saltibus Combined School	170
Vieux-Fort Secondary School – Campus A	522
Vieux-Fort Technical Secondary School	302
<b>TOTAL</b>	<b>4820</b>

**Table 3: Community Cleanup Activities**

<b>Group</b>	<b>Area Cleaned</b>
Lamaze Development Committee and students of the summer programme	Lamaze community
Lamaze Development Committee and students of the summer programme	Lamaze bus shelter to Roblot Community
Boy scouts of the Reunion summer camp	La Fargue playing field, reunion, around the church and fisheries complex
Participants community relations branch summer camp - Laborie	La Mar, Citrus grove, Labatwi, La Croix Road
Participants community relations branch summer camp - Banse	Banse la Grace, Banse community
Grande Anse Sea Turtle Conservation network	Grande Anse Marine Reserve
Universal Church of God	Trois Piton/Deglos
Monchy youth empowered	Mongiraud Junction to Monchy village
Staff of Smugglers Cove	Main road and general community in the vicinity of the hotel
Lucian Aid	Barre D'lisle
Caritas	Marchand and Environs
Caritas	Forestierre
Lombard Committee	Lombard community
Lucian Aid	Praslin beach
Lucian Aid	Patience near the court and school
Blanchard Community group	Titoo community
Special Education Center	Area surrounding the school
Dennerly South District Council	Beach area
Micoud North District Council	Micoud beach area and cemetery
Vieux Fort South District Council and Residents of Bellevedere	Community of Bellevedere
Praslin Group	Praslin
Dennerly South District council	Dennerly Village
<b>Total</b>	<b>22</b>

**Table 4 A: Tours Deglos Sanitary Landfill**

<b>Group Name</b>	<b>No. of Tours</b>	<b>No. of Participants</b>
Tiny Hands Pre School	1	22
A-Level Southern Division	2	37
Monchy Combined School	1	51
Carmen Rene Memorial	2	283
Ti Rocher Combined School	1	32
New Discoveries Early Childhood Development Centre	1	27
Fond St. Jacques Primary School	1	37
Adventure of the Seas Cruise line	1	2
Representatives of JICA/Embassy of Japan	1	3
Soufriere Library summer programme	1	50
Ti Colon/Barre St. Joseph Development Committee summer workshop	1	32
Gros-Islet Infant School	1	47
Nursing Students	1	35
Bocage Secondary School	1	2
Corinth Secondary School	1	25
Odsan Combined School	1	36
Sir Arthur Lewis Community College	1	33
<b>TOTAL</b>	<b>19</b>	<b>754</b>

**Table 4 B: Vieux-Fort Solid Waste Management Facility**

<b>Group Name</b>	<b>No. of Tours</b>	<b>No. of Participants</b>
Ti Rocher/Micoud Library summer camp	1	60
Vieux-Fort Library summer camp	1	40
<b>TOTAL</b>	<b>2</b>	<b>100</b>

**Table 5: Letter/Flyer Drop-offs**

<b>Brief Description</b>	<b>Community Name</b>	<b>No. Distributed</b>
Proper use of communal bins	Labatwi	25
Illegal dumping	Laborie Vieux-Fort Highway	10
Use of communal bin	Jetrine	10
Bin Removal	Barons Drive	26
Illegal dumping	Palmiste	25
Proper disposal of green waste	Black Bay	90
Change in collection service	Monkey Town	60
Non placement of waste near Marchand Post Office	Marchand Road	20
Proper use of community chute	Arundel Hill	50
Change in collection service	Independence City	15
Placement of waste at collection point only on collection days	Independence City	15
Dumping in Marchand river	Marchand	40
Illegal dumping in ravine	Bexon	15
Change in collection service	Barre St. Joseph	60
Bin removal	Marisule	20
Change in collection point	Bisee	25
Proper use of communal bins/observance of collection days	Balata	60
Transportation of waste/observance of collection days	Bocage	22
Change in collection service	Union Hilltop	8
Change in collection service to kerbside collection	Flambouyant, Drive Corinth	35
Change in collection service	Glasgow Hill	10
<b>TOTAL</b>	<b>21</b>	<b>641</b>

**Table 6: Exhibitions Utilized for Promotion of Good Solid Waste Management Practices**

<b>Organizer</b>	<b>Event</b>
Caribbean Youth Environment Network	Earth Day Expo
Ministry of Health	Health & Wellness Expo
Sacred Heart Parish, Marchand	Health Expo
Ministry of Commerce	World Consumer Rights Day

**Table 7: Press Releases**

<b>Month</b>	<b>Brief Description</b>
April	Illegal dumping in Bisee
April	Bisee Illegal Dump Cleanup Activity
April	Green Waste Training for Hotel Properties
August	Transportation of Waste to York Hill
August	Illegal Dumping at La Tourney
August	Suspension of Garbage Collection Service due to Tropical Storm Ernesto
September	Suspension of Collection Service in Cas En Bas due to road works
December	Management of Solid Waste during the Christmas Season
December	Waste Management Services during the Holiday Season
<b>Total</b>	<b>9</b>

**Table 8: Public Service Announcements**

<b>Title</b>	<b>No. of PSAs</b>
Eradicate Rats	1
Christmas Jingle	1
<b>Total</b>	<b>2</b>

## **APPENDIX B**

### **List of Participating Schools Visited**

#### **Participating Schools Southern Antilitter Schools' March 2011**

1. Vieux-Fort Special Education Centre
2. Aux Lyons Combined School
3. River Doree Anglican Combined School
4. Vieux-Fort Primary School
5. Pierrot Combined School
6. Augier Combined School
7. Technical Vocational School
8. Micoud Secondary School
9. VFCSS Campus A
10. Lions Pre School

#### **Participating Schools Northern Antilitter Schools' March 2011**

1. Ave Maria Infant School
2. Ave Maria Primary School
3. Gros-Islet Infant School
4. Vide Boutielle Primary School
5. Anglican Infant School
6. Anse La Raye R.C. Infant School
7. Leon Hess Comprehensive Secondary School
8. Bexon Infant School
9. R.C. Boys Infant School
10. Seventh Day Academy
11. Ciceron Secondary School
12. Millet Primary School

## Appendix C

### Anti-litter Schools' March 2011 Results

#### Castries March

##### ***Most creative Slogan/Placard***

<b>1st Place Infant/Primary:</b>	Ave Maria Girls' Infant School
<b>1st Place Secondary:</b>	Ciceron Secondary School
<b>2nd Place Infant/Primary:</b>	Vide Boutielle Primary School
<b>2nd Place Secondary:</b>	Leon Hess Comprehensive Secondary School
<b>3rd Place Infant/Primary:</b>	Anglican Infant School
<b>3rd Place Secondary:</b>	Seventh Day Academy

##### ***Best Organized/Energetic Group***

<b>1st Place Infant/Primary:</b>	Ave Maria Girls' Primary School
<b>1st Place Secondary:</b>	Ciceron Secondary School
<b>2nd Place Infant/Primary:</b>	Vide Boutielle Primary School
<b>2nd Place Secondary:</b>	Leon Hess Comprehensive Secondary School
<b>3rd Place Infant/Primary:</b>	Anglican Infant School
<b>3rd Place Secondary:</b>	Seventh Day Academy

#### Vieux-Fort March

##### ***Most Creative Slogan/Placard***

<b>1st Place Infant/Primary:</b>	Augier Primary School
<b>1st Place Secondary:</b>	Vieux-Fort Comprehensive Secondary School Campus A
<b>2nd Place Infant/Primary:</b>	<i>Aux Lyons Combined School</i>
<b>2nd Place Secondary:</b>	<i>Micoud Secondary School</i>
<b>3rd Place Infant/Primary:</b>	<i>Vieux-Fort Primary School</i>

***Best Organized/Energetic Group***

**1st Place Infant/Primary:**

Augier Primary School

**1st Place Secondary:**

Vieux-Fort Comprehensive Secondary

School Campus A

**2nd Place Infant/Primary:**

Vieux-Fort Primary School

**2nd Place Secondary:**

Micoud Secondary School

**3rd Place Infant/Primary:**

Pierrot Combined School

Operations & Landfill

Operations & Landfill Manager

North

Zonal  
Supervisor  
(2)

South

Zonal  
Supervisor  
(2)

**OPERATIONS  
DEPARTMENT**

## **OVERVIEW**

The operations department oversees the Authority's mandate for the waste collection and disposal throughout the island. The Authority has the mandate for the collection of solid waste generated by residential properties and state-owned agencies and institutions including public schools, health care facilities and government offices. In addition, to its waste collection mandate, it has the responsibility for the management of island's two waste management facilities namely the Deglos Sanitary Landfill and Vieux Fort Solid Waste Management Facility. The operations department also oversees a number of programs aimed at the environmentally sound management of various waste streams. These program areas include biomedical waste, ship-generated waste, used oil and used lead acid batteries. In addition, the Authority undertakes audits of a number of facilities to ensure environmental sound management of waste. These include audits of garages, hotel properties and schools.

During the period, the Authority began placing focus on waste diversion initiatives aimed at reducing the amount of waste destined to the landfills.

## ***SOLID WASTE DISPOSAL***

Solid waste generated on the island and that received from ships are deposited at one of the two landfills. The landfills, which are equipped with weighbridges, records all waste entering by weight, category, origin and carrier. The waste management facilities accept the following waste categories:

- Residential & Institutional Waste – this is waste generated from residential properties and government institutions and facilities e.g. schools, hospitals, health centres, prisons, offices, etc.
- Commercial waste – waste generated from commercial activities e.g. hotels, restaurants, supermarkets, shops, etc.
- Industrial waste – waste generated from industrial operations e.g. electricity production, factories, manufacturing processes, etc.

- Construction and Demolition waste – waste generated from construction activities and renovation of properties e.g. waste building materials, land clearing, etc.
- Certain hazardous wastes - hazardous waste which can be disposed of without posing a significant risk to human health and the environment e.g. asbestos, fiberglass, certain pharmaceuticals and biomedical waste etc.
- Scrap metal/derelict vehicles – scrap metal and derelict vehicles which are no longer useful to the generator or owner of the waste.
- Quarantine waste – waste generated on ships and aircraft visiting the island.

## **WASTE QUANTITIES**

During the period a total of seventy thousand, three hundred and sixty-six and six tenths (70,366.6) tons of solid waste was disposed of at both landfills in the island. This represented an increase less than one half of a percent or four hundred (400) tons over the previous period. Of the total waste disposed of, Deglos Sanitary Landfill (DSL) received fifty two thousand, eight hundred and forty-nine and two tenths (52,849.2) tons or seventy-five (75) percent of all waste while the Vieux Fort Solid Waste Management Facility (VFSWMF) received seventeen thousand, five hundred and seventeen and four tenths (17,517.4) tons or twenty-five (25) percent. The Deglos Sanitary Landfill recorded an increase of one thousand, one hundred and ninety-seven and eight tenths (1,197.8) tons or two and three tenths (2.3) percent over the previous period while VFSWMF recorded a decrease of seven hundred and ninety-seven and three tenths (797.3) tons or four and six tenths (4.6) percent (see Figure 1).

Residential/institutional waste continues to represent the largest category of waste disposed of representing forty-five (45) percent, followed by commercial waste at twenty (20) percent. At the Deglos Sanitary Landfill residential/institutional waste accounted for thirty-nine (39) percent of the waste disposed while at the Vieux Fort facility it accounted for sixty-four (64) percent.

Waste quantities have decreased marginally for the past four (4) years at the Deglos Sanitary Landfill with an average of fifty nine thousand, one hundred and thirty-two (59,132) tons per year for the ten (10) years of operation of the landfill site. At the Vieux Fort Solid Waste Management Facility, the trend appears to be similar with waste quantities averaging seventeen thousand, six hundred and forty (17, 640) tons.

It is anticipated that this trend will continue due primarily to the increased interest in waste diversion/recycling. The Authority has started the sorting of certain waste streams e.g. cardboard, plastics, metals etc. coming into the landfills and it is anticipated that this will increase due to demand for these items by recyclers. In addition, it is anticipated that with the pending deposit refund system on containers particularly plastics, the landfills will see very little of this waste stream in the future. Figure 2 shows the trend in the quantities of waste disposal at both landfills in the island.

**Figure 1 Waste Disposal by Category at Landfills in St. Lucia**

Waste Category	April 2011 to March2012			April 2012 toMarch2013		
	DSL	VFSWMF	Total	DSL	VFSWMF	Total
	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)
Aircraft	0.0	95.2	95.2	0.0	104.9	104.9
Asbestos	9.3	0.0	9.3	3.8	6.3	10.1
Biomedical	46.0	3.8	49.8	45.5	3.5	49
Beach Cleaning	182.4	67.2	249.6	208.2	62.2	270.4
Bulky	1206.7	1702.7	2909.3	1250.9	1209.7	2460.6
Cardboard	0.0	40.0	40.0	-	-	0
Coconuts	812.2	63.3	875.5	1362.2	61.6	1423.8

Commercial	12073.0	2784.4	14857.4	11410.8	2780.6	14191.4
C & D	4431.9	60.9	4492.8	3995.9	57.2	4053.1
Condemned Foods	313.8	7.9	321.7	388.8	14.9	403.7
Dead Animals	0.1	3.2	3.4	-	-	0
Derelict Vehicles	77.1	55.6	132.7	100.5	29.9	130.4
Fiberglass	0.9	0.0	0.9	0.0	0.2	0.2
Green	3958.7	314.3	4273.0	6600.4	850.67	6776.1
Industrial	53.6	487.6	541.2	-	-	0
Metal	118.8	28.2	147.0	106.2	26.7	132.9
Pharmaceuticals	1.2	10.0	11.2	0.1	3.5	3.6
Plastics	24.2	10.9	35.0	33.2	27.2	60.4
Residential/Institutional	22821.3	11659.1	34480.4	20811.9	11140.6	31952.5
Ship	1894.0	12.1	1906.1	1719.3	5.7	1725
Street Cleaning	2691.6	588.8	3280.4	3068.5	958.1	4026.6
Tires	526.8	180.1	706.9	494.3	135.5	629.8
Other	407.8	139.6	547.4	1248.7	38.4	1287.1
<b>Total</b>	<b>51,651.4</b>	<b>18,314.7</b>	<b>69,966.1</b>	<b>52,849.2</b>	<b>17,517.4</b>	<b>70,366.6</b>

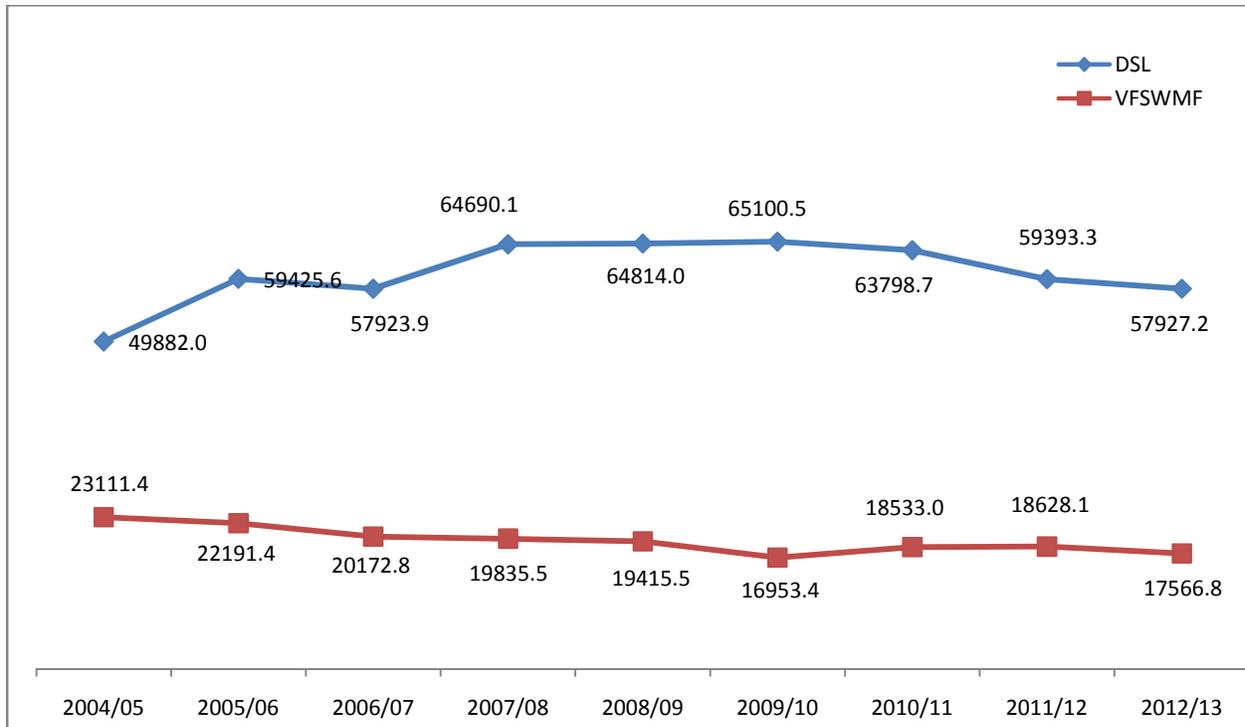


Figure 2 Changes in Solid Waste Disposal at Landfills in St. Lucia (tons)

### SOLID WASTE COLLECTION

The Authority undertakes its mandate of waste collection of solid waste generated from private households, government offices, government institutions and government agencies through a privatization mechanism. Private waste contractors are awarded contracts to undertake collection in defined solid waste collection zones following a competitive bidding process. The service provided consists of a collection for regular solid waste at a minimum frequency of twice weekly and a once monthly collection of bulky waste items e.g. old appliances, furniture.

Under the contract, waste collection contractors are required to procure their own equipment, facilities and staff in order to undertake the service. In addition to the collection of solid waste, the collection contractors are responsible for the removal of derelict vehicles in public places, the remediation of indiscriminate dump sites and public awareness related to the service which they provide.

During the period, waste collection contractors collected approximately thirty-five thousand, three hundred and two (35,302) tons of solid waste compared with thirty-four thousand, four hundred and eighty (34,480) tons during the last period.

**ENVIRONMENTAL MONITORING**

The Authority continued its environmental monitoring program aimed at minimizing any adverse impacts from the operations of the waste management facilities on the environment. Physical parameters such as dust, odour, flies, birds and rodents are routinely monitored at both landfills. Also monitored on a monthly basis to detect pollution are groundwater and surface water. Groundwater, surface water and leachate is analyzed on a yearly basis to detect pollution and to determine the adequacy of leachate treatment

From the table, it can be seen that the leachate generated at Deglos Sanitary Landfill is relatively weak which can be attributed to the dilution factor caused by the high rainfall level and the numerous active springs present at the base of the landfill. Total Coliform, Total Dissolved Solids, Ammonia, and BOD results are well below the acceptable discharge limits of the US EPA. The result therefore indicates that the present treatment method utilizing biological treatment adequately treats the leachate generated at the landfill.

Parameter	Units	Mixing Box	Aeration Pond	River Upstream	River Downstream	CEHI Guidelines
Temperature	°C	29.2	28.7	28.2	28.1	-
Fecal Coliform	CFU/100 ml	<1	<1	4	<1	<400 mg/L
Dissolved Oxygen	mg/L	4.93	7.45	4.93	8.24	-
Total Suspended Solids	mg/L	14	21	7	7	30 mg/L*

BOD5	mg/L	13.3	8.3	6.8	6.7	20 mg/L*
COD	mg/L	107	23	<1	<1	-
Conductivity	ms	1.34	0.716	1.34	0.312	-
Chromium (Cr)	mg/L	<0.002	<0.002	<0.002	<0.002	5.0 mg/L
Copper (Cu)	mg/L	<0.002	<0.002	<0.002	<0.002	1.0mg/L
Arsenic (As)	mg/L	0.0042	0.0038	0.0007	0.0007	-
Cadmium (Cd)	mg/L	<0.00002	<0.00002	<0.00002	<0.00002	0.5mg/L
Lead (Pb)	mg/L	<0.00002	<0.00002	<0.00002	<0.00002	5.0mg/L
Mercury (Hg)	mg/L	<0.00002	<0.00002	<0.00002	<0.00002	0.05mg/L
Nickel	mg/L	<0.01	<0.01	<0.01	<0.01	5.0mg/L
Silver	mg/L	<0.00002	<0.00002	<0.00002	<0.00002	5.0mg/L
Zinc	mg/L	<0.005	<0.005	<0.005	<0.005	10mg/L
Fluoride (F)	mg/L	0.31	0.11	0.21	0.28	20mg/L
Ammonia (NH3-N)	mg/L	1.8	7.6	<0.01	0.14	-
Chloride (Cl)	mg/L	225	100.6	30	31.5	600mg/L
Sulfate (SO4)	mg/L	8.0	17.0	43.0	42.0	1000mg/L

\*Royal Commission Standards

**Figure 3 Sampling Results for Deglos Sanitary Landfill in September 2012**

### **SHIP-GENERATED WASTE**

The Authority has a program in place for the management of ship-generated waste as required under the Convention for the Prevention of Pollution from Ships (Marpol). Under the program, ships wishing to discharge waste in the island are required to notify the Authority on the prescribed form forty-eight (48) hours in advance of their intention to do so. The Authority grants the discharge of waste only if it can be treated in an environmentally sound manner in the island. Once received, the waste is deep-buried at the landfills.

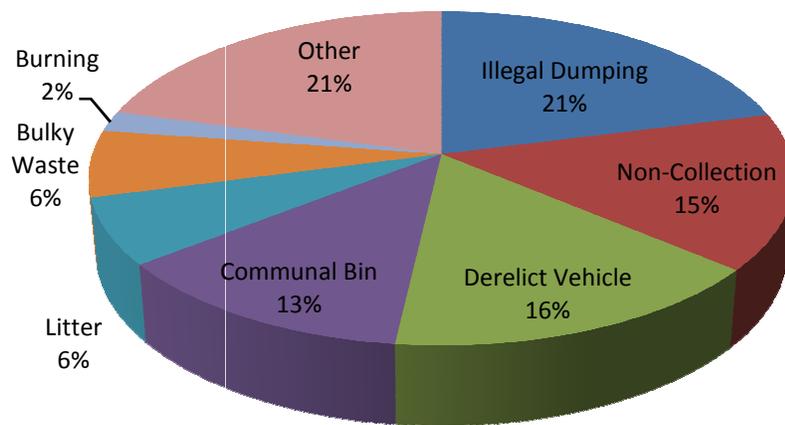
During this period, the island disposed of one thousand, seven hundred and twenty-five (1,725) tons of ship-generated waste a decrease of one hundred and ninety-one (191) tons over the previous period. The waste consisted mainly of dry garbage, incinerator ash, cardboard, ground glass, plastics and cooked food.

### **COMPLAINTS**

The number of complaints received by the Authority during the period decreased from four hundred and twenty-six (426) in the previous period to three hundred and fifty-seven (357). As expected, the majority of the complaints originated from the northern part of the island which has the greater population. The northern part of the island from Gros-Islet to the north to Cul De Sac in the south, comprising four of the most densely populated waste collection zones accounted for eighty-five (85) percent of all complaints received.

Indiscriminate disposal of waste accounted for twenty-one (21) percent of the complaints received followed by sixteen (16) percent for derelict vehicles, non-collection of solid waste fifteen (15) percent) and complaints related to communal bins at thirteen (13) percent (see Figure 4).

While the numbers of complaints have decreased significantly in each of the above categories, by the Authority estimation these numbers could be significantly reduced further by increased public education, increased supervision and monitoring of the waste collection contractors and more focused enforcement activities.



**Figure 4. Distribution of Complaints by Category**

### ***DERELICT VEHICLES MANAGEMENT***

Under the Authority’s Derelict Vehicles Management Program, derelict vehicles in public places are identified and removed by the owner or the Authority in the event the owner cannot be identified.

Like the previous year, the management program for derelict vehicles was impacted due in part to insufficient financial resources. As a result less emphasis was placed on the issue. However, in spite of this limitation thirty-six (36) derelict vehicles were removed from public places.

It is anticipated that in the next fiscal period, sufficient financial resources will be allocated in order to effect the removal of most derelict vehicle found along the public roads and highways.

### **BIOMEDICAL WASTE MANAGEMENT**

The Authority continues to ensure that biomedical waste generated on the island is managed in an environmentally sound manner. To this end, biomedical waste is managed under a program which pays due regard to its generation, handling, storage collection, transportation, treatment and disposal. Through a privatized arrangement, biomedical waste is collected, transported, treated and disposed of in an environmental sound manner. The treatment of biomedical waste undertaken by autoclaving the waste followed by deep burial at the landfill.

During the year approximately forty-five and eighty-four hundredths (45.84) tons of biomedical waste was collected and treated. This represented a marginal decrease from forty-five and ninety-seven hundredths (45.97) tons from the previous period. Of this total, forty and a half (40.5) tons or eighty-eight (88) percent originated from public health care facilities private health care institutions accounted for twelve (12) percent. The Government-owned Victoria Hospital generated thirty and a half (30.5) tons or sixty-six (66) percent of all biomedical a decrease of one and a half (1.5) tons over the previous period. The government-owned, St. Jude's Hospital generated eight and three tenths (8.3) percent and the private institution, Tapion Hospital eight and seven tenths (8.7) percent of the total (see Figure 5).

The Authority continued to undertake audits of health care institutions to ensure that biomedical waste is handled, segregated, stored, transported with due regard to human health, safety and the environment. In this regard, all public health care institutions were audited and found to be generally in compliance with internationally accepted practices.

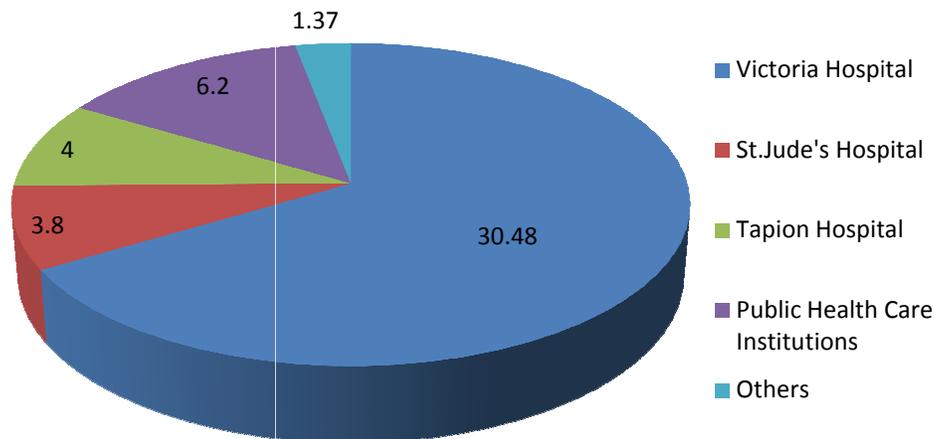


Figure 5 – Biomedical Waste Generation in Tons

### **3R'S**

#### ***Recycling***

During the period, the Authority continued to support 3R's initiatives by the private sector. To this end, several meetings were held with persons interested in various initiatives. The Authority has long recognized the benefits of supporting waste diversion initiatives and has always encouraged these initiatives as it believes there is no need to dispose of a resource which can be utilized by others. Support have been given to recyclers by making available to them e-waste, cardboard, plastics, scrap metal and used lead acid batteries when these items are disposed of at the landfills.

A draft Returnable Containers Bill which has been in the pipeline is long awaited. It is hoped that during the next fiscal period the Bill will become a reality so that not only will it assist in reducing littering associated with plastic bottles in the environment but will also add another element to the recycling sector.

Used lead acid batteries are collected and exported for recycling. Due to the demand for the batteries by recyclers, few batteries ever reach the landfill. When they do, they are made available to recyclers.

Like used lead acid batteries, scrap metal is in demand by recyclers. Usually, scrap metal hardly enters the landfill as it is intercepted by recyclers before it gets to the landfill. Whatever little scrap metal that finds its way to the landfill, it is made available to recyclers for export.

There is some limited collection for export of other items e.g. paper, cardboard, plastics and glass bottles. However, these items are obtained at a few points of generation and as a result a lot of these items which are not captured at these points find their way to the landfill. There is therefore some scope for the collection of more of these items at the point of generation.

### ***Used Oil***

The Authority's Used Oil Management Program continued to impact positively on how used oil is managed in the island. Under the program, specialized used oil storage containers are deployed at strategic locations throughout the island for use by both businesses and the general public. The placement of these containers seeks to ensure that generators of used oil have easy access to these containers so as to negate the need to dispose of the oil in the environment. Efforts continued at ensuring that used oil is managed in an environmentally sound manner in the island. Towards this end, audits of garages including roadside garages were undertaken to ensure that used oil is managed in an environmentally sound manner. In addition to the management of used oil, the audits also focused on general waste management to include solid waste, scrap metal and used lead acid batteries.

Generally, there has been an increase in the awareness of the need to properly dispose of used oil by generators. This is evidenced by the numerous requests made for used oil storage containers. Due to the limited quantities of these containers some of the requests have to be turned down and alternatives suggested. It is anticipated that with

funding will be made available to procure additional containers to ensure success of the program.

### **CHALLENGES/ISSUES**

- The tremendous cost incurred in the operation, repair and maintenance of an aging fleet of landfill equipment. Currently, the Authority has three (3) pieces of heavy equipment which are over ten (10) years old. These equipment suffers frequent breakdown resulting in downtime and the rental of replacement equipment.
- A waste management strategy is urgently needed to chart the course of the Authority for the next twenty (20) to twenty-five (25) years.
- There is need for legislation to regulate recycling operations as there continues to be a proliferation of entities currently operating in the island.
- There is also need to enact a Management of Containers Bill in order to manage plastic containers which litters the environment. Currently there exists a draft Management of Containers Bill.

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## **OVERVIEW**

The Saint Lucia Solid Waste Management Authority has concluded the year 2012/13 with a major one million, eight hundred and eighty-eight thousand, three hundred and fifty-eight dollars (\$1,888,358) operating deficit. This is the third successive year and the fifth in the last seven years in which a deficit was recorded. It is also the largest operating deficit throughout the Authority's sixteen-year history.

Total revenue contracted as it went from eleven million, two hundred and nineteen thousand and sixteen dollars (\$11,219,016) in 2011/12 to ten million, nine hundred and three thousand, three hundred and forty-eight dollars (\$10,903,348) in 2012/13. Conversely, total expenditure increased as it went from eleven million, six hundred and forty three thousand, and three hundred dollars (\$11,643,300) in 2011/12 to twelve million, seven hundred and ninety-one thousand, seven hundred and six dollars (\$12,791,706) in 2012/13. This represents an increase of one million, one hundred and forty-eight thousand, four hundred and four dollars (\$1,148,404) or nine and nine tenths (9.9) percent. Despite the fact that there is no change in the Authority's mandate, the picture just painted is one in which the Authority's external auditors have on two previous occasions expressed deep concern about in their note entitled "Going Concern" (See notes to Financial Statements). A superficial analysis of the Authority's financial position as shown on the Statement of Financial Position at March 31, 2013 reveals that the Going Concern issue has worsened. For example, the total Cash and Cash Equivalents balance went from four million, six hundred and seventy thousand, eight hundred and thirty-three dollars (\$4,670,833) at the end of 2011/12, to one million, four hundred and seventy thousand, seven hundred and eighty-three dollars (\$1,470,783) at the end of 2012/13. This is a drop of three million, two hundred thousand, and fifty dollars (\$3,200,050) or sixty-eight and a half (68.5) percent.

The performance for 2012/13 is symptomatic of a broader issue and the fact that revenue support from our principle sources, namely, Government Subvention and the Environmental Levy, has not kept pace with the increase in cost. In fact, the combined support from these two sources for 2012/13 is less by over one million dollars (\$1,000,000) than what it was in 2001/02. On the other hand, expenditure

(ex-amortization) for 2012/13 is up by over two million dollars more than what it was in 2001/02.

**STATEMENT OF FINANCIAL POSITION**

The Authority’s year-end financial standing as detailed in the Statement of Financial Position shows an acute deterioration from the prior year’s comparative. Total assets went from twelve million, eight hundred and thirty-six dollars (\$12,000,836) in 2011/12 to eight million, five hundred and seventy thousand, eight hundred and seventy-two dollars (\$8,570,872) in 2012/13. This is a difference of three million, four hundred and twenty-nine thousand, nine hundred and sixty-four dollars (\$3,429,964) or twenty-eight and six tenths (28.6) percent. Additionally, the Fund Balance which has always been a positive figure throughout the Authority’s relatively short history has on this occasion turned out to be negative. This is the result of the accumulation of significant operating deficits in the last six (6) years.

A common measurement for evaluating the strength of a company’s Statement of Financial Position (Balance Sheet) is by applying the Current Ratio instrument. This involves comparing the level of Current Assets to Current Liabilities. The result of this evaluation is as follows:

	<b>2012/13</b> <b>\$</b>	<b>2011/12</b> <b>\$</b>
Current Assets	3,407,002	6,007,837
Current Liabilities	5,995,484	6,006,864
<b>Current Ratio</b>	<b>.57:1</b>	<b>1:1</b>

Over the last couple of years, this ratio has been trending downwards and at the end of the financial year 2012/13, it became negative.

**SIGNIFICANT ISSUES – REVENUE**

***Subvention***

Although not matching the overall budget deficit, government’s financial support of five million dollars (\$5,000,000) continues to be the Authority’s biggest source of income towards the operational program. With the exception of the four million dollars (\$4,000,000) received for the year 2010/11, this level of funding from the national budget has not changed since 2008/09.

***Environmental Levy***

There are two components to this revenue source. The revenue is generated by applying a head tax called an Environmental Levy to each aerial and marine based passenger who visits the island. This is a SLASPA administered activity and the Authority receives four dollars and eight cents (\$EC 4.08) per person.

With authority given by way of Cabinet Conclusion No. 685 of 1999 and No. 350 of 2002, deductions are made to the cruise passenger component of this revenue source. An analysis of the total gross amount and total deductions made for 2012/13 is as follows:

Stopover Passengers		\$1,336,187
Cruise Passenger	\$2,356,686	
Less Deductions	<u>(\$ 468,336)</u>	<u>\$1,888,350</u>
TOTAL (NET)		\$3,224,537

## ***SIGNIFICANT ISSUES – Expenditure***

### ***Waste Collection Expenses***

Waste collection expenses continue to wield the most pressure on the Authority's financial resources. For the year under review, total expenditure under this category is six million, one hundred and thirty-five thousand, three hundred and eight dollars (\$6,135,308). This amount is inclusive of one hundred and seventy-three thousand, four hundred and twenty-six dollars (\$173,426) spent on bio-medical waste operations. Five million six hundred and thirty four thousand and forty three dollars (\$5,634,043) is the prior year's comparative. Additionally, having renewed household waste collection contracts in 2010/11, this level of expenditure is not expected to change in any significant way for the next couple of years.

### ***Landfill Operating Expenses***

There are two official waste disposal sites in Saint Lucia: the Deglos Sanitary Landfill in the north and the Vieux-fort Waste Disposal Facility in the south. Together, operating costs for 2012/13 stand at three million, twenty-four thousand, seven hundred and ninety-seven dollars (\$3,024,797). This amount is exclusive of one million, one hundred and fifty-two thousand, and sixty-six dollars (\$1,152,066) in amortization and professional services costs. It should be noted that the overall operating cost under this category is up by three hundred and forty-six thousand, five hundred and seventy-nine dollars (\$346,579) over the previous year's comparative. The principal contributor to the overall increase is the significant increase in hired equipment cost for both sites.

### ***Administration and Related Expenses***

There was a marginal increase in this category of expenditure as it went from one million, three hundred and ninety-four thousand, seven hundred and fifty-five dollars

(\$1,394,755) at the end of 2011/12 to one million, four hundred and twenty thousand, seven hundred and ninety-six dollars (\$1,420,796) at the conclusion of 2012/13. The increase is twenty-six thousand and forty-one dollars (\$26,041) or one and nine tenths (1.9) percent. Going back another year (2010/11) for comparison purposes, expenditure under this category was one million, four hundred and sixty-seven thousand, three hundred and fifty-nine dollars (\$1,467,359). *(For appropriate comparison purposes, the following expenditure sub-heads were excluded from total expenditure: Waste Collection Expenses, Landfill Operating Costs, Environmental Levy Deductions and Depreciation Expense).*

*The Financial Statements for the period ended March 31, 2013 are appended.*