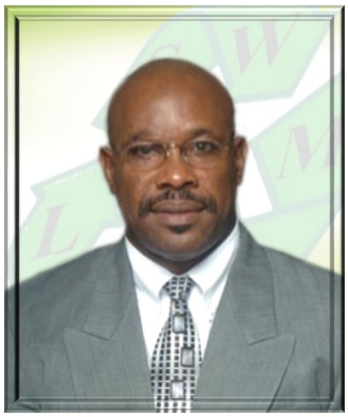
Minister's Message



During the period under review the Saint Lucia Solid Waste Management Authority continued to meet the solid waste collection and disposal needs of the country all in an effort to improve and maintain an acceptable quality of life for all Saint Lucians. Such responsibility should therefore never be overlooked/compromised as the cleanliness of our environment speaks to or impacts the health of our people, our environment, the economy and our very survival.

Proper waste management has to a large extent become a way of life for some households and communities in Saint Lucia. Thanks to the commitment shown by the majority of Saint Lucians who strive to protect their environment. We however need to continue to strive and persevere for greater commitment by Saint Lucians, to achieve greater improvements in waste management. Even more critical is the need to promote waste as a resource rather than as items that should be placed out for collection for burial at a landfill. We need to therefore begin to seriously consider waste diversion as an important step in order to deal effectively with waste management requirements of our growing population, our changing lifestyles and to extend the life of our landfills. Such efforts would not only save tax payers money but create employment opportunities and business opportunities for private sector entities.

The government of Saint Lucia will continue to deliver on its commitment to waste management in the coming year and beyond for it considers solid waste management important for the health and quality of life of Saint Lucians. However, an important

ingredient is a partnership approach in addressing the issues as government efforts alone will be insufficient. Reach out to households, schools, non-governmental organizations, the business community and promote increased stewardship for our environment. Continue to engage all partners and stakeholders without whom little or no success will be achieved as we all have a collective responsibility to work together to reduce our environmental footprint.

On behalf of the government of Saint Lucia I wish to thank the Board of Directors, Management and Staff for their role in maintaining a cleaner and healthier environment through the various waste management services offered to the public. Together we can continue to ensure that Saint Lucia's land air and water are sustained for future generations.

Honorable Richard Frederick
Minister for Physical Development, the Environment, Housing & Urban Renewal

Chairperson's Message

During fiscal year2011-2012 the Saint Lucia Solid Waste Management Authority continued to work with all its partners to protect and safeguard the environment through the various solid waste management services offered.

The island-wide collection service offered to all households and government institutions through the private waste contractors continued throughout the island. Both disposal sites namely the Deglos Sanitary Landfill and the Vieux-Fort Solid Waste Management Facility continued to be managed at international standards while the environmental monitoring programme instituted since 2003 continued to provide an assessment of the impact of the sites on the environment. Government health care establishments throughout the island continued to receive a biomedical waste collection and treatment service along with some private sector health care establishments who opted for the service outside regulations which would make it mandatory that they make the necessary arrangements for the collection, disposal and treatment of biomedical waste.

While progress has been made with respect to collection and disposal, efforts at waste reduction have been minimal. Although some materials such as scrap metal, used oil, used lead acid batteries and limited quantities of plastics, paper and cardboard continued to be diverted away from the landfill, measures are required to facilitate and encourage alternative waste management strategies among the populace as well as private sector investment in waste diversion efforts.

Environmental Education continued to be an integral component of the journey towards improved waste management on the island as education is fundamental to changing behaviour. Education and awareness initiatives therefore targeted various sectors all in an effort to inspire positive action among the populace thus minimizing poor waste management practices.

Now that my tenure as chairperson of the Board of Directors has come to an end as the Authority no longer falls under the Ministry of Physical Development, Environment, Housing and Urban Renewal but rather under the newly established Ministry of Sustainable Development, Energy, Science and Technology, I wish to inform you that it has truly been an honour and privilege for me to serve as Chairperson of the Board of Directors. I am truly grateful to the Board of Directors for the on-going support and dedication to managing the affairs of the Authority. I am also grateful to the many individuals, organizations whether voluntary, private or public whose contributions have contributed to the overall growth and development of the Authority.I would like to especially recognize the contribution of the staff of the Authority and thank all for the commitment and dedication to the improvements to waste management on the island. It was truly a privilege working with all of you.

Mr. George James
Permanent Secretary for Physical Development, the Environment, Housing & Urban Renewal

General Manager's Message

As the public agency responsible for overseeing waste management on the island, the Saint Lucia Solid Waste Management Authority continued to provide quality waste management services for all residents of Saint Lucia. Services offered however were generally dominated by collection and disposal services.

It must however be recognized that the waste management sector is a dynamic sector, influenced by a number of factors such as population and housing variations, consumption patterns, economic development and technology. As such, we face increasing public expectations and challenges of new and complex waste streams which must be managed in a sustainable manner. A matter of concern is the increase in the generation of non-biodegradable plastic, metal solid waste brought about by our tendencies to focus on wants and luxuries and overlook the problems associated with satisfying our human desires. As such consideration must be given to alternative systems and technologies as those earlier utilized. Presently for the managing solid waste may not necessarily be applicable or relevant for managing solid waste today.

For the purposes of contributing towards the national good, thus it means we all have to come together as one unit ensuring that our combined efforts produce a lasting impact toward improved waste/resource management on the island. In order to ensure the successful implementation of all waste management programmes it is imperative therefore that we work closely with all government agencies and stakeholders

particularly those involved in waste management and those whose mandates impact on the smooth coordination of the waste management industry on the island. It is also important to continue to engage the private sector and create partnerships particularly in the area of waste diversion.

Moving forward, our biggest challenge yet is to be successful in the appeal for greater compliance by the public with respect to all waste management programmes implemented giving due regard to ensuring a cleaner environment. To achieve success though public education and awareness accompanied with some degree of enforcement must continue to be an integral component of any venture more so littering is a major problem.

Sincere thanks to the management and staff for the continued support for the work of the Authority, the Board of Directors for its guidance and all Saint Lucians for their efforts towards maintaining a clean environment.

Mr. Vaughn Louis Fernand
General Manager of the Saint Lucia Solid Waste Management Authority

Administration Department

OVERVIEW

The Administration Department has been persistent in its role, supporting the various departments, aiming to effectively transmit communication within the Authority and to the general public. The department also seeks to ensure that correspondences are filed in an orderly manner for ease of retrieval for future reference.

HUMAN RESOURCE

Participation in Local Workshops, Seminars and Consultations

During the period under review, staff of the Authority participated in the following training workshops:-

Date	Name	Type	Institution/Agency
March, 2011	Mr. Vaughn Louis-Fernand	Waste-to-Energy	CARILEC
	Mr. Laurianus Lesfloris		
March, 2012	Jullien St. Helen Fontenelle	Taxation	Gama investments

New Appointments

The Authority recruited the following staff during the past fiscal year:

Name	Position & Location	Start Date
Marlon Houson	Weighbridge Attendant	May, 2011

Extra-Curricular Activities

The General Manager in his effort to continue encouraging camaraderie among staff within the Authority and to enhance staff morale engaged staff at several activities. A new activity "Walk and Know St. Lucia" (WAKS) was added to the extra-curricular

activities to encourage physical fitness while staff acquainted themselves with places unknown to them.

Activities	
Walk through Rain Forest Parrot Trail	April, 2011
Jounen Kweyol Brunch	October, 2011
Carnival Breakfast	July, 2011
Walk from Roseau to Anse La Raye	October, 2011
Christmas Lunch	December, 2011
Moonlight Fishing & Bar B Q	February, 2012

Education & Public Information Department

OVERVIEW

The implementation of education and awareness initiatives related to solid waste management continued to be one of the core mandates of the Saint Lucia Solid Waste Management Authority. In keeping with the mandate, the following education and awareness activities were facilitated by the Authority in collaboration with its partners as part of efforts to promote proper solid waste management practices.

- Annual Antilitter Schools' Marches,
- National Clean up Activity
- Community cleanup activities,
- Production of quarterly newsletter entitled 'SLSWMA News',
- Participation during national radio programmes,
- Provision of lectures to various publics,
- Facilitation of community meetings,
- Tours of disposal sites,
- 24 hour hotline for public complaints,
- Production of flyers, posters etc.,
- Letter/flyer drop-offs to individual households,
- Use of community crier
- Beautification projects

School/Community Presentations

During the period under review, the Authority facilitated twenty-one (21) presentations all in an effort to develop positive waste management practices among schools and various communities (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 classroom level. Issues such as littering, waste minimization, composting and impacts of poor waste management were discussed with students. Some schools also engaged in cleanup activities of the school compound or the neighbouring community as part of sensitization efforts. Posters and flyers highlighting issues discussed were also produced by the Authority and distributed to the targeted schools.

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.

Tours of Deglos Sanitary Landfill & Vieux-Fort Solid Waste Management Facility

Tours of the Deglos Sanitary Landfill and the Vieux-Fort Solid Waste Management Facility continued to be an integral component of the education process as they have become educational landmarks particularly for schools and youth workshops. During the period under review two hundred and twenty-three (223) visitors were accommodated at the Deglos Sanitary Landfill while seventy (70) visitors were accommodated at the Vieux-Fort Solid Waste Management Facility (Appendix A, Table 2A and Table 2B). Landfill tours were generally undertaken by schools as culmination activities for classroom lessons related to waste management and pollution. Tours of the facilities provided participants with first-hand knowledge of the management of various waste streams received at the sites. Greater promotion of the sites is however required particularly among the schools that teach Human and Social Biology at the CXC level as the study of landfills is a very significant component of the syllabus. In order for such an initiative to be successful though, landfill sites must always be operated at the highest standard possible.

Print Media

While it has been generally accepted that little reading is done by the general populace, the print medium was utilized but limited to specific target audiences. Some methods utilized included the SLSWMA newsletter, occasional articles/public service announcements in professional magazines, newspapers, brochures, flyers, posters and letters.

During the fiscal year, the production and distribution of the quarterly newsletter 'SLUSWMA News' continued. Newsletters featured the work of the Authority. Articles on waste management were also a major feature. The newsletter is however no longer printed for distribution but is distributed electronically through an email list and the Authority's website. The email list continues to be updated as the two hundred and eighty-four (284) email addresses presently listed are way below the five hundred (500) newsletters formerly printed and distributed.

Letter/flyers were also produced and distributed to target communities as the need arose. This intervention resulted in the distribution of three hundred and ten (310) letters/flyers directed to communities with specific solid waste management issues e.g. noncompliance with respect to collection days, use of communal bins, change in methodology for solid waste collection etc. (Appendix A, Table 3). Letters/flyers delivered to individual households highlighted the various waste management issues identified and the corrective actions to be undertaken by the targeted community.

During the last fiscal year, the Authority also undertook the production and dissemination of a flyer highlighting the 'Management of Green Waste' and 'Management of Solid Waste during the Hurricane Season'. The flyer was distributed through postal boxes throughout the island. The service was provided to the Authority free of charge from the management of postal services.

Posters were also produced and distributed on a minimal scale for display at schools, health establishments and other public places.

Electronic Media

Press Releases

Press releases were prepared based on the waste management issue to be highlighted and/or activities of the Authority. During the period under review nine (9) press releases were issued (Appendix A, Table 4). These were issued to all media houses and were followed by impromptu radio and television interviews highlighting the various waste management concerns and the corrective action (Appendix D, Table 5). 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)

The Authority through TRANSIT TV explored the airing of Public Service Announcements at one super market namely Super J, Gablewoods. The system included liquid crystal display (LCD) screens installed at various locations in the supermarket. Public service announcements were aired simultaneously on all screens as agreed upon. Frequent monitoring of the airing of the public service announcements was undertaken given the fact that supermarket advertising was new to the market. While the airtime provided was excellent and the public service announcements could be viewed, the volume was maintained very low making it difficult for patrons of the supermarket to hear the public service announcements to be read.

Radio and television public service announcements (English & Creole) addressing various waste management issues were aired on radio stations and television stations. Six (6) PSAs were aired over the period under review (Appendix A, Table 6). Public Service Announcements encouraged the practice of proper waste management among the public.

The Department also undertook live radio programmes as part of efforts to sensitize the public on proper waste management practices. The Authority undertook two such programmes during the year under review (Appendix A Table 7). These programmes facilitated communication with the public as various waste management issues and concerns were discussed among the host, the guest(s) and public during the programmes.

Community Outreach

Over the years, the use of direct community interventions e.g. informal community walks/meetings, house to house visits etc. have been very successful during efforts at improving waste management in communities since such interventions facilitate two way communications with the various publics. As such the Authority continued to implement direct community interventions as much as possible, all in an effort to provide and receive feedback from the public with respect to issues and concerns about solid waste management. While this approach may be more effective it is however time consuming.

Community/town hall meetings however continued to be a challenge because of low attendance and were usually discouraged (Appendix A, Table 8). Most of the meetings undertaken were conducted in collaboration with the Ministry of Health during the dengue outbreak. Due to the challenges associated with attendance at community meetings, door to door interventions were undertaken all in an effort to engage householders in discussions with respect to various waste management issues facing the community. These were usually accompanied with reinforcement material such as letters and/ or flyers.

Informal walks through target communities were also undertaken in order to conduct assessments of waste management issues and concerns. Informal discussions were also held with available residents. Walks were usually undertaken prior to the implementation of any education and awareness initiative.

Community Cleanup Activities

Community cleanup activities continued to be flagship activities for many communities throughout the island. The Authority continued to encourage communities to undertake voluntary cleanup activities of their communities outside the annual national clean up activity whenever the need arose, as not all communities were regularly serviced by the various City/Town and Village Councils. During the period the Authority provided support to thirty-four cleanup activities (Appendix A, Table 9). Clean up activities undertaken were geared towards clearing of drains, collection of litter and debushing of

roadsides. The Authority provided support through the provision of garbage bags and gloves. Waste collection contractors for the area assisted with the transportation of waste to the landfill sites.

Carnival 2011

The Authority partnered with Just Us Kids Carnival Band during the hosting of pre-carnival activities organized for revellers as well as kids who were unable to purchase a costume for Kiddies Carnival. During the first pre-carnival activity held at the grounds of the Ave Maria Primary School, revellers were addressed by a representative of the Authority and introduced to Tin Tin the mascot. A second pre-carnival activity took the form of a parade/jump up by young revellers from the Derek Walcott Square through the streets of Castries to the Vigie Sports Complex. The activity was supported/sponsored by public and private sector interests. The Authority for its part sponsored one section of the young revellers. They paraded the streets clad in t-shirts bearing Tin Tin and the logo of the Authority and were also accompanied by two Tin Tin mascots. Additionally, paraphernalia such as garbage bins, banners and stickers all highlighting the logo and mascot of the Authority were all part of the effort to promote a clean environment during carnival

National Clean up Activity/Antilitter Schools' Marches 2011

The Authority hosted two Antilitter Schools' Marches (ALSM) under the theme "On Litter Put a Ban, St. Lucia Yes We Can." The first Antilitter Schools' March was held in the town of Vieux-Fort while the second was held through the streets of Castries. All infant, primary and secondary schools on the island were invited to participate during Marches.

Approximately two hundred and fifty (250) students representing ten (10) schools participated during the southern antilitter schools' march. In Castries, approximately three hundred (300) students representing twelve (12) schools participated (Appendix B). At the marches, students carried placards with anti-litter messages and chanted slogans as they marched to the beat of music all in an effort to encourage the public to keep St. Lucia clean. The activities culminated with addresses from students, a representative of the Saint Lucia Solid Waste Management Authority and the Ministry of Education and a showcase of students' talents highlighting proper waste management practices.

The efforts and work of students did not go unnoticed as a panel of judges was engaged to judge participating schools on the following:

- Most creative slogan/placard
- Best organized/energetic group (Appendix C)

With respect to National Clean up Activity (NCUA), schools, community groups, private and public sector agencies were targeted through letters of invitation, a public service announcement, press releases and radio and television interviews. Private sector entities were targeted for financial or in-kind contributions through letters of request.

During the weekend activity one hundred and seventy (170) groups throughout the island participated over the three-day clean up period (Appendix D). Forty-six of the participating groups were schools. The highest level of participation was however recorded in the Castries Inner/Castries South/Anse La Raye collection zones. Private waste collection contractors assisted with the removal and transportation of waste generated during the cleanup activities.

A noticeable decline in the number of participating groups was recorded during the National Clean up Activity. There was also a decline in the number of participants within the various groups. Participation among schools was generally low particularly during the Antilitter Schools' Marches and low among the schools in the north of the island. Financial and in–kind donations received also amounted to a decrease.

Public Complaints

During the reporting period, the department continued to serve as the centre for public complaints. Public complaints were received and managed through the complaints database. The department assisted with complaints which did not require field investigations e.g. complaints with respect to dead animals and missed collections. All complaints received were forwarded to the operations department for investigation and closure.

Appendix A

Table 1: School/Private/Public Presentations

Public/Private Sector Name	**No. of Presentations**	**No. of Participants**
Aux Lyon Combined School	2	54
Anse La Infant School	1	34
Roblot Combined School	2	80
Banse Pre School	1	30
Castries Comprehensive Secondary School	1	5
Pierrot Combined School	2	220
Vieux-Fort Comprehensive Secondary School Campus B	1	500
Residents La Resource under the Proud Project	1	20
Residents of Derierre Morne	1	25
Residents La Tourney under Proud Projeect	1	35
Summer Camp Banse La Grace	2	50
Vendors - Assou Square Activities	1	40
Royal Saint Lucia Police Community Relations Branch Summer Camp in Banse	1	35
Royal Saint Lucia Police Community relations Branch Summer Camp, Laborie	1	40
Debriel Seventh Day Adventist Summer Camp	1	30
Bois Patat Summer Programme	1	45
Go Green Youth Group Workshop (National Youth Based Organization)	1	20
TOTAL	**21**	**1263**

Table 2 A: Tours Deglos Sanitary Landfill

Group Name	No. of Tours	No. of Participants
Sir Ira Simons Secondary School	1	12
Nurses SALCC	1	10
Balata Primary School	1	10
Kids Pathway Preschool	1	23
Tiny Hands Pre School	1	22
A level Southern Division	1	17
Monchy Combined School	1	51
JICA/Embassy of Japan	1	3
Environmental Officers, Adventure of the Sea Cruise line	1	2
Carmen Rene Memorial Primary School	2	73
TOTAL	**11**	**223**

Table 2 B: Vieux-Fort Solid Waste Management Facility

Group Name	No. of Tours	No. of Participants
Fond St. Jacque Combined	1	24
Economic Affairs Officer of ECLAC	1	3
PAHO officials and Ministry of Health	1	3
Vieux-Fort Secondary Comprehensive Secondary School	1	40
TOTAL	**4**	**70**

Table 3: Letter/Flyer Drop-offs

Brief Description	Community Name	No. Distributed
Change in collection service	Bon Air	15
Change in collection service	Corinth	23
Collection servicing and composting	Millennium Highway	40
Change in collection service	Egret Close, Goodlands	15
Good waste management practices	Egret Close, Goodlands	15

Bin Removal	Piaye	27
Change in collection Service	Cas en Bas	20
Good waste management practices	Frank Johnson Avenue	15
Bin Removal	Martin Luther King Street	22
Change in collection service	Union/Balata	30
Mongiraud	Change in collection service	15
Chase Gardens	Illegal Dumping and its consequences	25
Inglewoods	Stray animals and littering	18
Ravine Chabot	Waste management practices (non-compliance by residents)	30
TOTAL		**310**

Table 4: Press Releases

Month	**Brief Description**
May	Loose/stray animals and littering
May	Transportation of solid waste to communal bins
July	Management of solid waste during the hurricane season
October	Antilitter Schools' March 2011
October	Antilitter Schools' March 2011
November	National Clean up Activity (two press releases)
January	Illegal Dumping Opposite the entrance to the Bordelais Correctional Facility, Dennery
February	Clearing of Illegal Dump in Bisee
Total	**9**

Table 5: Radio & Television Interviews

Medium	**Number**
Television	25
Radio	16
Total	**41**

Table 6: Public Service Announcements (radio and television)

Title	No. of PSAs
Eradicate Rats	2
Bulky Waste	1
Litter management	1
National Clean up Activity	1
Christmas Jingle	1
Total	**6**

Table 7: Talk Shows/Radio Programs

Talk Show	**Brief Description**
The Agenda	ALSM/NCUA and other issues
Praise FM	Littering
Total	**2**

Table 8: Community Meetings

Community Name	**No. of Meetings**	**No. of Participants**
Coconut Vendors, Vieux-Fort	1	4
Belle Vue/Ministry of Health	1	20
Grace, Ministry of Health	1	25
Pierrot/Aupicon, Ministry of Health	1	20
Vieux-Fort, Ministry of Health	1	30
Total	**5**	99

Table 9: Community Cleanup Activities

Group	Area Cleaned
Canaries Village Council	Canaries
Community Relations Branch	Banse La Grace
Babonneau Seventh Day Adventist Church	Babonneau Seventh Day Adventist Church to Babonneau
Rivere Mitant Community	Riviere Mitant to Mongiraud
La Feuille/Caye Manger Development Group	La Feuille
Bagatelle Community	Bagatelle
Anse La Raye	Anse La Raye Community
Belle Aire Development Committee	Bel Aire
Derniere Riviere Farmers Watch Group	Derniere Riviere
Ti Rocher SDA Church	Ti Rocher
Belmont SDA Church	Belmont & Derniere Riviere
Grace SDA Church	Grace
Youth Advancement Committee (YAK)	Debriel, Roblot, Lamaze
Mongouge Community	Mongouge
Black Bay Concerned Citizens	Black Bay
Vieux-Fort Community	Vieux-Fort
La Tourney Community	La Tourney
La Resource, Derriere Morne Community Group	New Dock Road, Bruceville
Ministry of Health/CDC Residents	CDC
Bois Patat Summer Programme	Bois Patat
Community Relations Branch/Banse La Grace Combined	Banse
Debarras Community/Ministry of Health	Debarras
Balata Community/Ministry of Health	Balata
Babonneau/Ministry of Health	Babonneau
UWP Castries South Constituency Group	Faux-a-Chaud
Country Village, Bexon Community	Country Village, Bexon
Go Green Club, Bexon	Bexon Catholic Church to the Seventh day Adventist Church
Trou Rouge Community	Trou Rouge
UWP Castries South Constituency Group	Marigot
Blanchard Community	Blanchard
Belmont SDA Church	Belmont
Blanchard Community Group	Blanchard
Mon Repos Community Group	Mon Repos
Praslin Community Group	Praslin
Blanchard Community Group	Blanchard
Total	**34**

APPENDIX B

List of Participating Schools Anti Litter Marches

Participating Schools Southern Antilitter Schools' March 2011

1. 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

<u>Castries March</u>

Most creative Slogan/Placard

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

Best Organized/Energetic Group

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

Vieux-Fort March

Most Creative Slogan/Placard

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

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

Appendix D

List of Participating Groups

Castries Inner/Castries South/Anse La Raye Zone

Renwick & Company Ltd.
Rendezvous
Castries Central Disaster Committee
CDC Sports Club
Barnard Hill Community
La Toc Community
Monroe College
Castries Fire Service
Vieux-Fort Bus Driver Association
Castries Central
Saint Lucia Air & Seaports Authority (SLASPA)
Bagshaws
ELKS Credit Union
Boboville Sports Club
St. Lucia Red Cross Society
Japanese Overseas Co-op Volunteers (JOCV)
Tiawanese Peace Corp
Courtesy Taxi

Nemo Auxillary Core
Caribbean Student Environmental Alliance (2)
La Toc/Morne Community
Barre St. Joseph Community
Trois Piton Community
La Croix Maingot Community
Ciceron Day Care Centre
L'Abbayee Day Care Centre
Castries South Labour Party Youth Arm
Ciceron Concerned Citizens
Ciceron Community Sports & Cultural Club
Domino Club
Marigot Day Care Centre
Marigot Football Club
Odsan Mothers & Fathers Group
Chaupin Community
Sarot Youth, Sports & Cultural Club
Goodland Professional Club
UWP Castries South Constituency
Sarrot SDA Youth Group
Bays Club
Trois Piton Youth & Sports Club
Ciceron Seagulls
Fond Manger Community
Marigot Development Committtee

Coolie Town Sports Club
OBLA Fusion Youth & Sports Club
L'Abbayee SDA Church
Dominators Sports Club
Tet Chemin Youth Group
Youth With A Difference
Anse La Raye Police Station
Allez
Lion Hearts
All Star Football Club
T Valley
Anse La Raye Infant School
Anse la Raye Primary School
Millet Infant School
Millet Primary School
Roseau Combined School
Ciceron Combined School
La Croix Maingot Combined School
Centre for Adolescent Rehabilitation & Education (Care) Odsan
Anglican Infant School
Ave Maria Girls' Infant School
Ave Maria Girls' Primary School
Carmen Rene Memorial School
St. Mary's College
Tapion Private School

Castries Outer/Dauphin/Gros-Islet Zone

Bisee Lions
Babonneau Pentecostal Church
Morne Du Don Community
Bois Patat Community Group
Sandals Halcyon
Garden Grove Community
Gospel Baptiste Youth Ministry
Villa Beach Cottage
Babonneau Community
Gospel Baptiste Church Youth Group

Trinity Lutheran Church
St. Lucia National Trust Youth Club
Gros-Iset Fire Service
Ti Rocher Development Committee
Gros-Islet Youth Football Club

Sir Ira Simmons Secondary School
La Cou Dou Community Group

Bank of St. Lucia Ltd.

Canaries/Soufriere/Choiseul/Laborie Zone

St. Vincent De Paul Society
Piaye Progressive Youth Group
Laborie Village Council
Banse Preschool
Laborie Steel Pan
Laborie Mothers' and Fathers' Group
Set It Off Drug Free Club
Piaye Sports Club
Piaye Girl Guides
Balca Youth Organization
Dugard Scouts
Choiseul Village Council
Mongouge Youth Club
Mongouge Development Committee
Morne Sion Group
YAK
Le Riche Development Committee
La Maze Mothers' and Fathers' Group
La Maze Development Committee
Choiseul Youth Organization
Roblot Development Committee
Choiseul Police Service
Soufriere Town Council
Soufriere Fire Service
Zenon Minglers Sports Club
ICAN
Barons Drive Youth Organization
Canaries Community Club
Canaries Football Club
Project Can
Canaries Catholic Youth for Christ
Belvedere Community
Canaries Village Council
Veteran's Fathers' Club
Banse La Grace Primary
Soufriere Special Education Centre
Canaries Primary School
Dugard Combined School
Soufriere Infant School
Laborie Boys' R.C. School
Laborie Girls' R.C. School
Les Etang Combined School
Mongouge Combined School
Piaye Combined School
Saltibus Combined School
River Doree Anglican
Roblot Combined
Soufriere Comprehensive Secondary School
Fond St. Jacques Combined School
Soufriere Primary School
Reunion Combined School

Dennery/Micoud/Praslin/Vieux-Fort Zone

Vieux-Fort Police Service
Grace SDA Youth Group
Bank of Nova Scotia, Vieux-Fort
Bank of St. Lucia, Vieux-Fort
Belle Vue Female Football Team
Belle Vue Male Football Team
Belle Vue Development Committee
Caribbean Student Environment Alliance (2)
Belle Vue Minibus Association
Dennery Fire Service
Richfond Mothers' and Fathers' Group
La Caye Day Care Centre
Rise St. Lucia

Dennery SDA
Dennery Day Care Centre
La Point Disaster Preparedness Group
Lumbard Development Committee
Aux Lyon Combined School
Derniere Riviere Combined School
La Ressource Combined School
Richfond Combined School
Patience Combined School
Pierrot Combined School
Dennery Combined School
Dennery Infant School
Augier Combined School
Belle Vue Combined School
Mon Repos Combined School
Micoud Infant School
Clendon Mason Memorial Secondary School
Micoud Primary School

Operations Department

OVERVIEW

The Saint Lucia Solid Waste Management Authority operates the two waste management facilities on the island, namely the Deglos Sanitary Landfill located in the north of the island and the Vieux Fort Solid Waste Management Facility in the south. Deglos Sanitary landfill facility is an engineered landfill facility with provisions for the treatment of leachate. The landfill became operational in 2003. It receives waste mainly from the northern part of the island. The Vieux Fort Solid Waste Management Facility is a rehabilitated open dumping site. The facility has been upgraded and operations are similar to the Deglos Sanitary landfill with the exception of a leachate treatment facility. During the period April 2011 to March 2012, the operations department continued to focus on ensuring that the operations of the two waste management facilities do not impact negatively on the surrounding environment.

Both waste management facilities cater for the management of the following waste streams:

- Residential & Institutional Waste – waste generated from residential properties, governmental institutions and facilities e.g. schools, hospitals and health centres, prisons, offices, etc.
- Commercial Waste – waste generated from commercial activities e.g. hotels, restaurants, supermarkets, shops, etc.
- Industrial Waste – waste generated from industry e.g. electricity production, 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, used lead acid batteries, etc.
- Scrap Metal/Derelict Vehicles – scrap metal and end-of-life vehicles.
- Quarantine Waste – waste generated on ships and aircraft visiting the island.
- Biomedical waste – waste generated from human and animal health care facilities and medical teaching institutions.
- Scrap Tires

Waste arriving at the facilities is weighed and recorded using a weighbridge and is categorized by weight, origin, category, transporter, and vehicle type. Both facilities

practice waste diversion to the extent possible in an effort at minimizing the amount of waste to be landfilled. Ferrous and non-ferrous metal, returnable glass containers, and used lead acid batteries are the predominant waste streams which are removed from the waste. The recovered waste streams are made available to local recyclers for export.

In keeping with internationally accepted practices, all other waste to be disposed of is spread after deposition by the vehicle, then compacted by the landfill equipment and finally covered at the end of each day with a minimum of 4 inches of soil cover. The soil cover material is obtained on-site at both facilities and is applied in order to minimize the generation of odours, to control vermin and other animals from getting to the waste, and to minimize the infiltration of rainwater into the waste thereby reducing the amount of leachate generated.

At both facilities, waste oil is stored in specialized waste oil storage containers for collection by a private company for use as a supplementary fuel. Most green waste is disposed of with the regular waste and some degree of composting is undertaken at the landfills. A wood chipper at each landfill facility is used to chip wood to aid in composting. At present, scrap tires are stockpiled at both facilities as the Authority awaits the arrival and commissioning of a new tire shredder. The Authority is currently in the process of finding markets for the shredded tires as the quantity of tires if landfilled will occupy a tremendous amount of void space. Finding markets for shredded tires has been difficult in the past and if not successful, the Authority will revert to the previous practice of utilizing the shredded tires in civil engineering applications at the facilities such as drainage works, construction of bund walls and for intermediate daily cover.

WASTE QUANTITIES

The Deglos Sanitary Landfill recorded a decrease of 4,292 tons or 7.5% of solid waste disposed of compared to the previous year. The decrease was realized mainly in the green waste (-81%), bulky waste (-149%) and residential/institutional waste (-2%) categories. At the Deglos Sanitary Landfill, the three main waste categories disposed of were residential/institutional waste, commercial and soil

The Vieux Fort Solid Waste Management Facility, located opposite the George Odlum National Stadium in the south of the island, receives waste from seven (7) of the eleven (11) waste collection zones, extending from the town of Soufriere to the Dennery Village. The facility receives approximately one third of the amount of waste received at the Deglos Sanitary Landfill. The facility's operation is similar to the Deglos Sanitary Landfill except for the absence of leachate collection and treatment facilities. There was

a marginal increase of 95 tons or 0.5 % in the quantity of waste disposed compared to the previous year (see Figure 1). The three main waste categories disposed of were residential/institutional waste, commercial and bulky.

The facility caters for all waste streams with the exception of hazardous waste with the management systems being similar to that of the Deglos Sanitary Landfill Facility. Like the Deglos facility, daily cover material is obtained on-site negating the need to obtain cover material from outside the facility.

In summary, the total amount of waste disposed of at the two facilities in the island decreased from 82,313 tons to 78,021 tons, representing a decrease of approximately 5.5% over the previous period. The Deglos Sanitary Landfill received 76% of all waste disposed of in the island while the VFSWMF received 14 percent.

There were no significant changes in the percentage of waste received by category. The residential/institutional waste category continues to account for the majority of the waste received, representing approximately 44% of all waste disposed. This was followed by commercial waste with 19%, soil and construction and demolition waste with approximately 17% and green waste 5.5% (see figure 1).

The following table presents categories of waste disposed of at the island's two waste management facilities namely, the Deglos Sanitary Landfill and the Vieux Fort Solid Waste Management Facility.

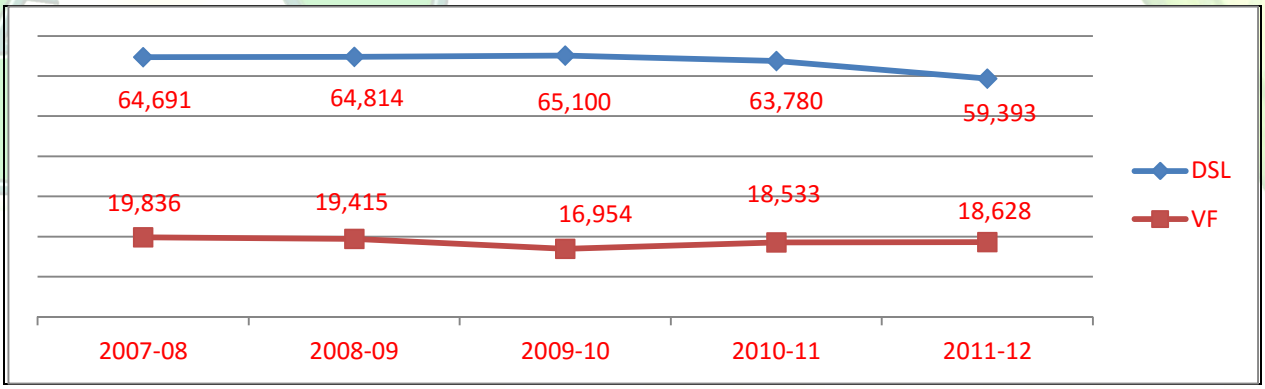
Figure 1

Waste Category	April 2010 To Mar 2011			April 2011 To Mar 2012		
	DSL* (tons)	**VFSWMF* (tons)**	**Total (tons)**	DSL (tons)	VFSWMF (tons)	Total (tons)
Aircraft	4.1	67.6	71.7	0.0	95.2	95.2
Asbestos	0	75.1	75.1	9.3	0.0	9.3
Biomedical	41.4	4.1	45.5	46.0	3.8	49.8
Beach Cleaning	304.4	46.2	350.6	182.4	67.2	249.6
Bulky	3007.5	1610.5	4618	1206.7	1702.7	2909.3
Cardboard	292.9	27.2	320.1	0.0	40.0	40.0
Coconuts	532.6	40.78	573.4	812.2	63.3	875.5
Commercial	11881.3	2531.8	14413.1	12073.0	2784.4	14857.4
C & D	5041.2	73.7	5114.9	4431.9	60.9	4492.8
Condemned Foods	479.1	87.6	566.7	313.8	7.9	321.7
Dead Animals	3.6	2.8	6.4	0.1	3.2	3.4
Derelict Vehicles	149.7	107.9	257.6	77.1	55.6	132.7
Fibreglass	0	0	0	0.9	0.0	0.9
Green	7178.1	485.4	7663.5	3958.7	314.3	4273.0
Industrial	9.1	576.9	586	53.6	487.6	541.2
Metal	157.9	25.2	183.1	118.8	28.2	147.0
Pharmaceuticals	13.9	11.3	25.3	1.2	10.0	11.2
Plastics	30.8	14.9	45.7	24.2	10.9	35.0
Residential/Institutional	23402.6	11532.1	34934.7	22821.3	11659.1	34480.4
Ship	1641.2	0	1641.2	1894.0	12.1	1906.1
Soil	4827.5	148	4975.5	7741.9	313.2	8055.0
Street Cleaning	3650.2	880.3	4530.5	2691.6	588.8	3280.4
Tires	677	168.2	845.2	526.8	180.1	706.9
Other	472.6	15.4	488	407.8	139.6	547.4
Total	**63779.8**	**18533.1**	**82312.9**	59393.3	18627.9	78021.1
Total Vehicle Trips	**39950**	**15805**	**55755**	**37708**	**15307**	**53015**

Figure 2 shows the changes in waste disposal at the two waste management facilities, namely the Deglos Sanitary Landfill and the Vieux Fort Solid waste Management Facility from FY2007 to FY2011. The trend suggests an average of 63, 500 tons of

waste for DSL and 18,600 tons of waste for VFSWMF being disposed of annually indicating a downward trend in waste disposal.

Figure 2



SOLID WASTE COLLECTION

The Authority has the mandate for the provision of a system for the collection of solid waste generated from households, government institutions/establishments and offices e.g. schools, correctional facilities, hospitals and other health care facilities, police and fire stations and public buildings. This service is provided to every community in the island in spite of the challenges faced by deteriorating road conditions and topography. The waste collection service is provided by private waste contractors selected through a competitive tender process. To achieve efficiencies and economies of scale, the island is divided into eleven (11) waste collection zones with each zone being serviced by a private waste collection contractor.

Collection contractors are required to procure their own equipment, facilities and staff in order to undertake the service. In addition to the collection of refuse from the above-mentioned entities, the collection contractors are responsible for the removal of derelict vehicles along public roads if the owners cannot be identified, cleanup of indiscriminate dump sites, provision of a monthly bulky waste collection service and public awareness. The effectiveness of the waste collection contractors are monitored on a daily basis by the Authority.

Solid waste is collected at a minimum of frequency of twice weekly throughout the island. Some communities receive a collection service three times per week, with the

Castries City receiving a daily waste collection service. The Authority strives to ensure that all residents receive an efficient waste collection service. The achievement of this goal has proven extremely challenging for the Authority for a number of reasons. Chief among them are the proliferation of unplanned residential developments, narrow road infrastructure and deplorable road conditions in a number of communities. To this end, two types of collection methodologies are employed, namely a curbside service and a communal bin service.

A curbside service is undertaken where the road network makes it possible for the waste collection vehicle to collect waste near the waste generator's (residents) property. A communal bin service is provided where the road network makes it impossible for the waste collection vehicle to collect waste at the generator's property. This may be as a result of the absence of a road network or a deteriorated road network which makes it impossible for the waste collection vehicle to access. In these circumstances, waste receptacles or communal bins are placed at strategic locations for use by several residents in the immediate vicinity.

During the period, solid waste collection contractors transported approximately 34,480 tons of waste to the islands two landfills. This represented 44% of all waste received at the landfills and is consistent with the trend for the last five years. During the period, municipal solid waste (MSW) generation rate was approximately 0.56 kilograms/person/day.

SHIP-GENERATED WASTE MANAGEMENT

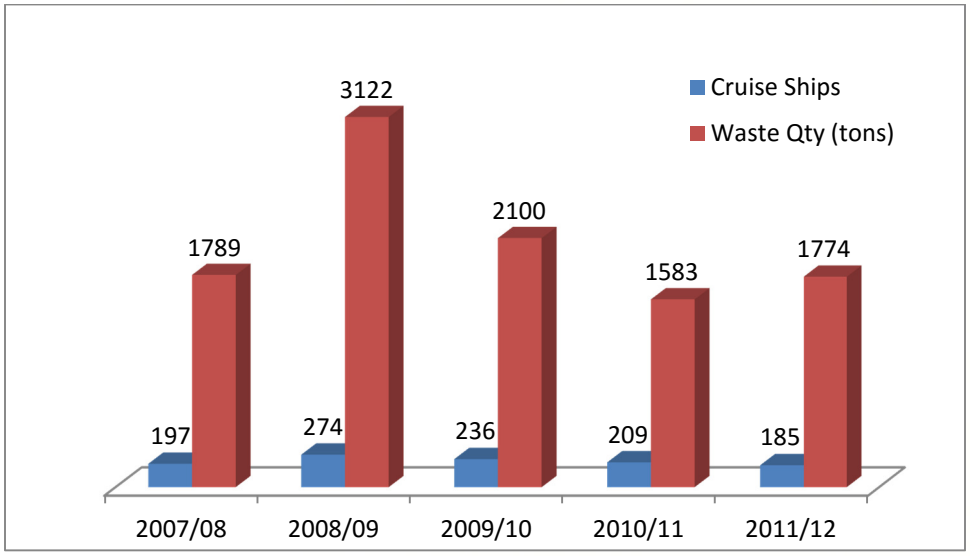
St. Lucia is a party to the International Convention for the Prevention of Pollution from Ships (MARPOL). This convention seeks to prevent pollution of the marine environment by ships. In keeping with St. Lucia's obligation under the convention, the Authority has the responsibility for ensuring that ship-generated waste is managed in a manner that pays due regard to health, safety and the environment. In this regard, the Authority has collaborated with a number of agencies including the Ministry of Health, the Ministry of Agriculture, Department of Fisheries, Customs and Excise Department and the Division of Maritime Administration to develop guidelines relevant to the offloading of waste into the island.

The guidelines seek to ensure that the discharge, transportation and disposal of ship-generated waste is undertaken with due regard for the protection of the environment. Cruise ships are required to notify the Authority on the prescribed form, 48 hours in advance of their intention to discharge waste in the island. Following approval by the Authority, arrangements are made by the ship's agent for the waste to be transported to

the landfill by a licensed waste hauler where deep burial of the waste is undertaken. Waste haulers are required to adhere to requirements set down by the Authority pertaining to vehicle licensing, health and safety, personnel protective equipment, vehicle markings, spill management, waste transportation and waste disposal.

During the period, a total of one hundred eighty-five (185) visits were made to the island by cruise ships resulting in a total of 1,774 tons of waste being discharged. This compares with 209 visits and 1,583 tons being discharged for the previous period 2010-2011. Waste discharged consisted mainly of dry garbage, incinerator ash, cardboard, ground glass and plastics. All waste discharged are deep buried at the landfills. Figure 3 shows the trend in cruise ship visits and waste discharged for the last five years. The trend shows a significant decrease for the past three years in the number of ships discharging waste in the island. The discharge rate per ship has remained fairly constant at an average of 9.5 tons.

Figure 3



COMPLAINTS

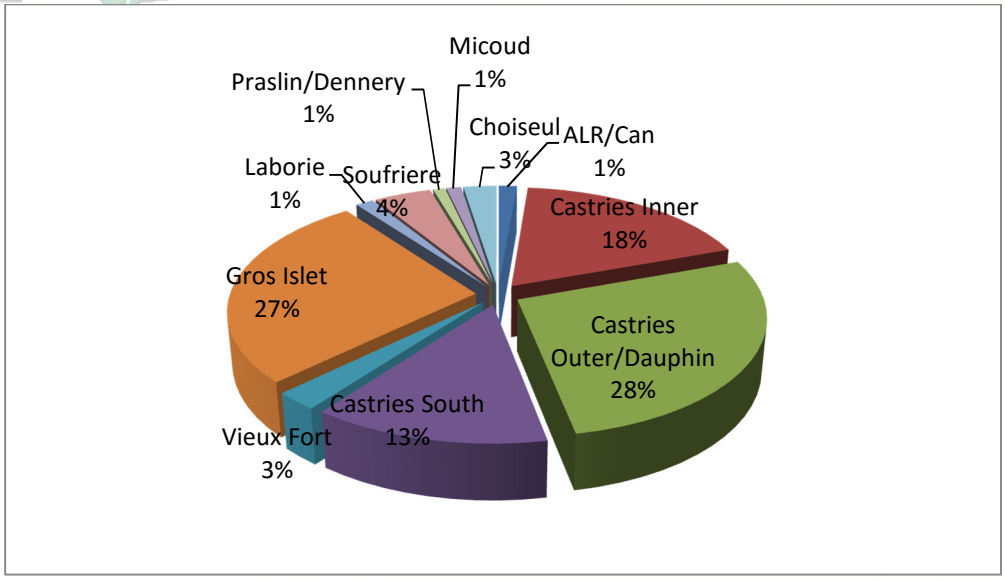
The Authority recorded forty-nine less complaints compared to the previous period. During this period 426 complaints were recorded. As with previous periods, the categories which recorded the most complaints were non-collection or late collection of solid waste, followed by inappropriate disposal/littering and derelict vehicles (see figure 4). The majority of the complaints were satisfactorily addressed with the exception of those relating to derelict vehicles.

Figure 4

CATEGORY	COMPLAINTS RECEIVED PER MONTH												
	April	May	June	July	August	September	October	November	December	January 12	February 12	March 12	Total
Inappropriate Disposal/Littering	5	10	13	10	15	9	9	8	8	14	7	1	**109**
Non/Late Collection of Waste	3	11	10	7	22	20	9	8	13	10	5	8	**126**
Dead Animals	1	0	1	2	1	1	0	0	3	1	1	1	**12**
Overflowing Communal Bin	0	0	1	0	6	1	0	0	0	0	0	1	**9**
Bin Removal Request	1	0	2	1	0	0	0	0	0	0	2	1	**7**
Derelict Vehicles	3	4	9	6	3	3	3	4	6	6	6	6	**59**
Bin Placement Request	0	3	4	4	4	3	2	2	2	2	3	2	**31**
Green Waste	0	0	1	1	0	0	0	2	0	0	0	0	**4**
Non-Observance of Collection Schedule	3	1	2	0	2	0	0	1	3	0	0	0	**12**
Other	2	4	7	5	12	4	2	6	4	5	3	3	**57**
Total	**18**	**33**	**50**	**36**	**65**	**41**	**25**	**31**	**39**	**38**	**27**	**23**	**426**

As it relates to the issue of the non/late collection of solid waste, inappropriate disposal and littering, this points to the need for the Authority to be more visible and vigilant as it relates to monitoring the level of service provided by the Authority's waste collection contractors and also undertaking interventions aimed at addressing the unacceptable habits and practices of waste generators. Figure 5 shows the distribution of complaints per solid waste collection zone.

Figure 5



DERELICT VEHICLES

Unlike in previous years, the Authority's program for the identification and removal of derelict vehicles in public places was not hugely successful due in part to insufficient focus being given to the program and lack of financial resources. Under the program, derelict vehicles found in public places are identified by Zonal Supervisors of the Authority who institute measures to remove them from public places. Vehicles identified are subsequently tagged and photographed and the owners requested to remove them within 7 days of being notified or the notice being posted on the vehicle.

In spite of the program not being given sufficient focus, of the 217 derelict vehicles identified during the period, 70 or 32% were removed and diverted to the landfills. The majority of the derelict vehicles (80%) were removed from the north of the island. During

the coming period, more focus will need to be paid to this issue. The Authority had in its 2011/12 budget, requested funds to implement a program geared at public awareness and removal of derelict vehicles in public places. It was anticipated that once funds were made available, the issue of derelict vehicles in public places would be adequately addressed.

BIOMEDICAL WASTE MANAGEMENT

The Authority undertakes the management of biomedical waste generated from both public and private health care facilities throughout the island. The collection, transportation, treatment and disposal is undertaken through a private contractual arrangement. Biomedical waste is transported to the Deglos Sanitary Landfill where it is treated in an autoclave prior to deep burial at the landfill.

Under the contract, the private company is required to provide all personnel, equipment and supplies to undertake the service. The Authority undertakes period audits of the facilities to ensure that the service is undertaken in accordance with the conditions of the contract. During the period the facility was operated in accordance with the contract and the contractor maintained a high standard of workmanship.

During the period 45.96 tons of biomedical waste was collected and treated at approximately 50 locations island-wide. Of the total biomedical waste collected, 40,424 kg or 88% originated from public health care facilities while 5,541 kg or 12% from private health care institutions. Of the Government-owned institutions, Victoria Hospital generated 32,012 kg or 70% of all biomedical waste treated followed by St. Jude's Hospital with 2779 kg or 6% of all waste. Of the private institutions, Tapion Hospital generated 4001 kg or 9% of all waste.

In addition 3.8 tons of biomedical waste was deep buried at the Vieux Fort Solid Waste Management Facility. This consisted mainly of waste which could not be processed utilizing the autoclave and included mainly anatomical waste.

The Authority undertook audits of all public health institutions to ensure that their operational practices are consistent with internationally accepted standards. Training of health care facility personnel in biomedical waste management was not undertaken as the Authority was in the process of reviewing the training modules. It is anticipated that barring financial constraints, training at the main public institutions will be undertaken.

WASTE REUSE, REDUCTION & RECYCLING

Diversion of waste away from the landfill is the ultimate goal of the Authority. Among the numerous benefits of waste diversion is the extension of the life of the landfills, reduction in the cost of operations of the landfills, reduction in the impact of waste on the environment, provision of employment for persons, and reduction in air pollution. Due to a number of factors including the lack of financial resources, low volumes of recyclable waste, high labour, transportation and freight cost and low cost of most recyclable materials, the island is at a disadvantage when it comes to recycling.

Notwithstanding these constraints, a number of small entities are involved in the collection for export of various waste streams. These include scrap metal, used acid batteries, paper and cardboard products, pet and HDPE bottles. There is however need for government to provide whatever fiscal incentives are necessary to assist that sector as this will redound to the benefit of the country as a whole. The Authority however continued to provide support in the form of technical advice and cooperation in recovering various waste streams at the landfills.

COMPOSTING

The Authority views composting as a very significant component of waste diversion as waste disposed in the island constitutes approximately 50% organics. In the past efforts at introducing composting at a number of entities e.g. schools, hotels, businesses, including the landfills have not been sustained. During the next fiscal period, focus will again be placed on composting at the landfills, schools, hotels, households and farms with the collaboration of the Ministry responsible for Agriculture. In this regard the Authority will collaborate with countries in the OECS region where composting has been successful.

WASTE OIL MANAGEMENT PROGRAM

The improper management of waste oil could have devastating efforts on the environment. The disposal of used oil presents a challenge to many countries in the Caribbean as they do not have the facilities to treat waste oil in-island nor the financial resources for exporting the waste oil for treatment. The Authority, with the help of local industry partners has been able to put an effective system in place for the management of waste oil. This collaboration has resulted in significant financial savings for the Authority and the industry partners while at the same time reducing significantly the impact of the disposal of waste oil on the environment.

Under the program, the Authority has deployed specialized waste oil storage containers (WOSC) at strategic locations throughout the island for the collection of waste oil. These locations include some police and fire stations, service stations, garages, mariners, etc. Once filled, the WOSC are emptied at location by vacuum trucks.

There is need for the Authority to implement a public information and awareness program to inform and sensitize persons on the program. This is in an attempt to inform about the impacts of indiscriminate disposal of waste oil on the environment and to obtain greater participation of waste oil generators. It is anticipated that this program will be implemented in the coming financial year providing financial resources are available.

USED LEAD ACID BATTERIES

The majority of used lead acid batteries in the island are collected at the point of generation by a number of entities and exported for recycling. The relatively few batteries that are disposed of at the landfills are recovered from the waste and made available for recyclers. Shipping of batteries is not undertaken in accordance with the Basel Convention on Transboundary Movements of Hazardous Wastes and their Disposal due to the lack of local supporting legislation. Under the convention member states must ensure that all shipments of hazardous waste takes place in accordance with the requirements outlined in the convention. As the Competent Authority for the convention, the Authority has the responsibility for ensuring that hazardous waste is shipped in accordance with the convention.

There is need for enabling legislation to be enacted in order to give effect to the convention. In the coming fiscal period, the Authority will hold discussions with the Sustainable Development Unit and the Attorney General Chambers to pursue this goal. In the absence of legislation, the Authority is still able to ensure that handlers of ULABs take all necessary measures to ensure that human health, safety and the environment are given adequate consideration.

ENVIRONMENTAL MONITORING

The Authority undertakes an environmental monitoring regime at the landfills which is aimed at minimizing any adverse impacts from its operations on the environment. At the Vieux Fort Solid Waste Management Facility, the site is monitored on a weekly basis for odor, dust, flies, birds, vermin and pests. Surface water is also monitored to determine

whether the site impacts on the surrounding environment. As a result of the landfill not being lined, there is no treatment of leachate at the site. As a result of this, the Authority monitors very carefully what is disposed of at the facility to ensure that the environment is not compromised.

At the Deglos Sanitary Landfill, in addition to the physical parameters mentioned above, a regime of chemical parameters is also tested for on an annual basis. These include heavy metals and chemical and biological indicators of pollution in leachate, ground and surface waters. These tests are undertaken by the Caribbean Environmental Health Institute (CEHI). Based on the results of the testing over the years the operations of the Deglos Sanitary Landfill continue to have very little negative impact on the environment as the parameters are within internationally accepted limits.

Finance Department

OVERVIEW

The year 2011/12 ended with the Saint Lucia Solid Waste Management Authority registering another substantial operating deficit. Total revenue and expenditure were eleven million two hundred nineteen thousand and sixteen dollars ($11,219,016) and eleven million, six hundred forty-three thousand, three hundred seventy-three dollars ($11,643,300), respectively. This four hundred twenty-four thousand, two hundred eighty-four dollars ($424,284) deficit for the period, follows the one million eighty-nine thousand six hundred sixty dollars ($1,089,660) deficit at the conclusion of the previous period.

Total revenue is up by one million one hundred fifty-two thousand, one hundred twenty-five dollars ($1,152,125) or (11%). On the other hand, total expenditure increased by four hundred eighty-six thousand seven hundred forty-nine dollars ($486,749) or 4.4%. The main highlights from both the income and expenditure perspectives are: an increase in government support and an increase in landfill expenses, respectively.

Government's support for defraying operational cost and the Authority's portion of the environmental levy collected by SLASPA, totaled nine million two hundred and eighty thousand, and sixty-five dollars ($9,280,065). This performance is up by one million three hundred and seventy-five thousand, eight hundred and thirty-six dollars ($1,375,836) above the prior year's comparative of seven million nine hundred and four thousand, two hundred and twenty-nine dollars ($7,904,229). It should be noted that of the two components, government's support is the main contributor to the overall increase, with proceeds from the environmental levy registering a marginal increase. (See Statement of Comprehensive Income)

STATEMENT OF FINANCIAL POSITION

Total assets under management increased by three hundred and seventy-three thousand, eight hundred and ninety-seven dollars ($373,897) or 3.2%, to eleven million nine hundred and ninety-nine thousand, one hundred and thirty-two dollars ($11,999,132). The sole contributor to this increase is the procurement of a government-funded Tire Shredder, valued at just over two million dollars.

The Authority's current ratio (current assets/current liabilities) has been deteriorating over the last couple of years and has reached a near unfavorable level with current assets virtually at the same level with current liabilities. If this trend continues, it would mean that very soon, if called upon, the Authority would not be in a position to meet its current liability obligations with the available current assets.

	2011/12	2010/11
Current Assets	6,007,645	6,290,191
Current Liabilities	6,006,672	5,842,819
Current Ratio	1.00	1.08

SIGNIFICANT ISSUES – Revenue

Subvention

The government's contribution towards the Authority's operational program totaled five million three hundred and fifty thousand dollars ($5,350,000). Of that amount, three hundred and fifty thousand dollars ($350,000) was allocated from their capital budget for a major project at the Deglos Sanitary Landfill.

Environmental Levy

The collection of environmental levy on visitors is administered by the Saint Lucia Air and Seaports Authority. Of the amount collected, $4.00 per passenger is remitted to the Saint Lucia Solid Waste Management Authority. For the year 2011/12, the Authority received a net amount of one million three hundred and thirty-five thousand, one hundred and one dollars ($1,335,101) from the airports component. This amount is down by $37,212 from the previous year's comparative. From the seaports component, the Authority received a gross amount of two million five hundred and ninety-four thousand, nine hundred and sixty-four dollars ($2,594,964). This represents an increase of $63,048 over the prior year's comparative. When fused, this revenue stream recorded an increase of twenty-five thousand eight hundred and thirty-six dollars ($25,836) or 0.7% over the previous year's amount.

As was the case in previous years, receipts from the Saint Lucia Air and Seaports Authority, particularly the seaports component, are subjected to deductions. These are to facilitate on one hand a financing arrangement and on the other hand to serve as an incentive to the cruise lines for increased calls. This year deductions totaling three hundred and seventy-two thousand, two hundred eighty-nine dollars ($372,289) were made. These deductions are made with authorization from Cabinet through cabinet conclusion numbers 685 of 1999 and 350 of 2002.

SIGNIFICANT ISSUES – Expenditure

Waste Collection Expenses

At the conclusion of the 2011/12 financial year, the Authority incurred a total of five million six hundred and thirty-four thousand and forty-three dollars ($5,634,043) in waste collection expenses. Of that amount, one hundred and sixty thousand two hundred and twenty-six dollars ($160,226) was spent on bio-medical waste collections and the remaining five million four hundred and seventy-three thousand, eight hundred and eighteen dollars ($5,473,18) was spent on collecting waste generated from households and government institutions.

Landfill Operating Expenses

The Authority manages two waste disposal sites. For the year under review, expenses relating to their operations totaled two million six hundred and seventy-eight thousand, two hundred and seventeen dollars ($2,678,217). This amount is up by five hundred and seventy-nine thousand, seven hundred and eighty-eight dollars ($579,788) or 28% over the comparative amount in 2010/11. Included in that increase are amounts for de-silting and hired equipment costs (for Deglos) totaling five hundred and twenty thousand, three hundred and sixty dollars ($520,360).

Administration and Related Expenses

The Authority recorded a decrease in this category of expenses. Total administration and related expenses for the year 2011/12 is one million three hundred and ninety-four thousand, seven hundred and fifty-six dollars ($1,394,756). This amount is seventy-two thousand, six hundred and three dollars ($72,603) below the prior year's comparative of 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, 2012 are appended.