

Saint Lucia Solid Waste Management Authority

2013-2014
**Annual
Report**



SAINT LUCIA SOLID WASTE MANAGEMENT AUTHORITY ANNUAL REPORT

APRIL 2013 – MARCH 2014

SAINT LUCIA SOLID WASTE MANAGEMENT AUTHORITY

SAINT LUCIA SOLID WASTE MANAGEMENT AUTHORITY

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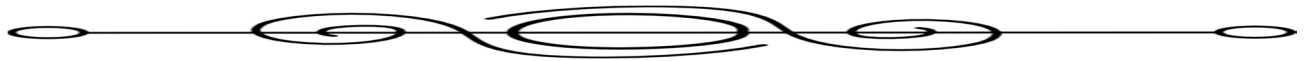
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VIEUX-FORT SOLID WASTE MANAGEMENT FACILITY

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Board of Directors



Mr. Sylvester Clauzel

Permanent Secretary, Ministry of Sustainable Development, Energy, Science and Technology



Mr. John Husbands
Minister's Appointee



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

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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

Dee Los 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. Dannelle Mitchel
Landscaper



Mr. Allan Paul
Spotter



Mr. Joseph Jules
Spotter



Mr. Elon Moses
Tire Shredder Operator



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. Curtis Isidore
Spotter



Mr. Peter Talla
Heavy Equipment Operator



Mr. Sylvester George
Spotter

Chairman's Message

Fiscal year 2013-2014 was yet another challenging period for the Board of Directors, Management and Staff of the Saint Lucia Solid Waste Management Authority who despite the limited available financial resources continued to ensure that the general operations of the organization created a meaningful impact on the environment and by extension the health and quality of life of Saint Lucians.

The Board of Directors led the initiative to address the financial challenges faced by the organization. A carefully conceived presentation of issues affecting the financial position was developed and submitted to the Cabinet of Ministers for consideration. Any measures approved are expected to be instituted during the upcoming 2014-2015 fiscal year.

Considerable effort was dedicated to securing the long term efficient management of the organization through the revision and development of policy documents. The planned initiative included a revision and further development of the current Human Resource Management Policy as well as the development of Procurement Procedures and Finance Management Guidelines. The tedious task undertaken by the Human Resource Management and Finance Committees, though in their advanced stages of development, remain incomplete but will remain a priority during the upcoming fiscal period.

Waste management services necessary to enhance solid waste collection and disposal on the island remained the central focus of the organization. Through its solid waste collection contractors, the Authority continued to provide the collection service to residential properties, government institutions and public offices. Minimal changes in collection methodology were however effected in selected communities in order to address the inadequacy of the established arrangements and resulting noncompliance. The Deglos Sanitary Landfill and the Vieux-Fort Solid Waste Management Facility continued to receive solid waste collected from the north and south of the island

respectively. Setbacks in their operations were primarily due to frequent breakdown of an aging equipment fleet.

Education and awareness continued to play a significant role in developing, encouraging and promoting positive change in behaviour. The programme implemented throughout the island targeted various publics through the print or electronic media as well as school and community outreach initiatives.

The Authority recognizes that in order to move forward additional effort is required. Additional effort however requires additional resources which are scarce given the financial challenges experienced by the organization. Therefore, prioritization and greater creativity by all becomes even more critical if the mandate of the organization is to be fulfilled. Notwithstanding the challenges the Board of Directors however remains committed to improving programmes and the financial support required for future growth and sustainability of the organization.

I am thankful for the willingness and the desire exemplified by those who worked in the interest of the organization and the country. It is only through a team effort that we accomplish much. I thank the other members of my Board for their support and guidance over the past year. Special thanks to the team of employees for their commitment even through these challenging times.

On behalf of the Board of Directors and staff, I am honoured to present the Saint Lucia Solid Waste Management Authority's Annual Report for fiscal year ended March 31, 2014.

Executive Summary

The reporting period 2013 – 2014 represented a defining period in relation to the identification of a number of challenges facing the Saint Lucia Solid Waste Management Authority (SLSWMA), as well as the efforts made to mitigate the effect of those challenges.

The major initiative for the period was the effort to address the declining financial position of the Authority. During the period, the Cabinet of Ministers were alerted to the decline, and with the assistance of the Ministry of Finance and Economic Affairs, provided decisions aimed at the reversal of the trend of impending insolvency that threatened from as far back as the 2007 – 2008 fiscal period.

The decisions sought also to address the long-standing debt of the Authority as a result of a dispute adjudication decision that was associated with arrangements for the construction of the Deglos Sanitary Landfill. It is anticipated that the implementation of the revenue boosting measures, as well as legislative changes, would allow the Authority to depend less on the public purse for financial support, notwithstanding the provision that the decisions would be implemented from the subsequent fiscal period, 2014–2015. Pending the implementation of the measures approved by the Cabinet of Ministers, it was anticipated that the Authority would experience another deficit year. Fortunately an unexpected revenue receipt restricted the extent of the deficit, allowing for a positive opening balance for the succeeding year. The limiting of the extent of the deficit was achieved also, by some significant cost restricting measures, and the postponement of some critical projects that would have enabled the commissioning of an already two-year old tyre shredder, as well as the re-commissioning of the autoclave used for the sterilization of biomedical waste.

One other initiative that had to be postponed was the consideration of a request by Waste Collection Contractors for an upward revision of contract price as the result of increases in cost of materials and inputs, particularly fuel, experienced during the

contract period. The Authority was not able to consider the proposal as it would not be able to meet any additional costs. The Waste Collection Contractors must be commended for their commitment to continue to perform their contractual obligations in spite of the disappointment.

The period under review, saw the implementation of a six month deployment of a Taiwanese Volunteer assigned by the International Centre for Development Foundation (ICDF) of the Republic of China on Taiwan to study and report on recycling in Saint Lucia. The study was expected to provide an insight into the status of activities being carried out throughout the island in diverting waste streams away from the landfills, to destinations overseas that were better able to transform these materials into useful products. The final report was well received by the recyclers who were very grateful for the recognition of their efforts in diverting waste from the landfills. The Authority wishes to express its profound gratitude to the Government and People of the republic of China on Taiwan for the assistance rendered, as well as to the participating recyclers for their co-operation.

In keeping with the Government of Saint Lucia's efforts to promote sustainable development through the increased use of renewable sources of energy, the Authority participated in consultations and provided data and information to support the consideration of the feasibility of converting waste to energy. This development would avert the need for the deployment of additional and limiting land space for the continued development of landfills, in addition to providing lower cost energy to supplement other mainstream alternative energy initiatives.

There was some progress made with regard to the consideration of a submission, by the recently appointed bargaining body for staff of the Authority, the Civil Service Association (CSA). A proposal for a Collective Agreement for the period 1st June 2013 to 31st May 2016 was first submitted in September 2013. The delay in consideration of the proposal was as a result of the expiration of the term of the Board of Directors as it took a protracted period for new appointments to be made for commencement of a new term.

The Authority sought to provide a policy framework for the organization by way of the revision of the existing Human Resource Policy to ensure that it was compliant with the new Labour Act. In addition, the development of additional policies were undertaken to guide Financial Management as well as Procurement.

The SLSWMA presented its mid-year and end of year reports at reviews carried out under the direction of the Minister responsible for the Ministries of the Public Service, Information and Broadcasting, and that of Sustainable Development, Energy Science and Technology in October, 2013 and February 2014. These were highlighted in the Minister's Annual Report of his portfolios.

HEAD OFFICE



Mr. Atkinson Alcide
Accountant



Mr. Lesfloris
Manager/Operator



Ms. Marva
Education & Public Information



Mr. [Name]
[Title]



Mrs. [Name]
[Title]



OVERVIEW

The Administration Department continued providing support to the various departments in the ensuring the smooth delivery of services to the public. Administration also assisted the various departments by ensuring that the communication channel within the Authority and by extension to the wider public and beyond remains active.

Support was provided to the Board of Directors through assisting in the facilitation of scheduled meetings; the processing of minutes of Board meetings; and the preparation of documents for Board and Committee meetings.

The following table summarizes the Board and Committee meetings facilitated for the period under review:

| Meetings | Nos. |
|--------------------------|-------------|
| Board of Directors | 8 |
| Technical Committee | 4 |
| Human Resource Committee | 3 |
| Finance Committee | 3 |
| Legal Committee | 0 |
| Total | 18 |

RESIGNATIONS

One employee attached to the Deglos Sanitary Landfill terminated his employment with the Authority during the year:

| Name | Position | Date |
|-------------|------------------------|----------------|
| Elon Moses | Tire Shredder Operator | November, 2013 |

TRAINING WORKSHOPS

In order that the Authority's staff attains the required knowledge which would enable them to contribute meaningfully towards the Authority meeting its mandate, the

Authority welcomed and embraced every opportunity for training which became available.

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

| Period | Name | Mission | Sponsor | Host Country |
|--------------------------|------------------|---|------------------|-------------------------------|
| Jul. 23 – 25, 2013 | Marie Dalsan | Regional Workshop on MARPOL and Port Reception Facilities | MARPOL | Fort Lauderdale, Florida, USA |
| Jul. 29 – 11, 2013 | Dunley Auguste | Workshop for Capacity Development in the Environmentally Sound Management of Electrical & Electronic Equipment Waste in the Caribbean | BASEL Convention | Trinidad & Tobago |
| Jul. 24 – Aug., 10, 2013 | Mr. Burke Leonce | Sustainable Solid Waste Management in CARICOM Countries | JICA | Japan |
| Oct. 16 – Dec. 17, 2013 | Mr. Davis Poleon | Sustainable Solid Waste Management in CARICOM Countries | JICA | Japan |

Waste Haulage Licenses

The Authority issued nineteen (19) waste haulage licenses to waste haulers to allow access to the Deglos Sanitary Landfill and the Vieux Fort Solid Waste Management Facility during the year. This included six (6) waste collection contractors employed by the Authority and thirteen (13) private waste haulers.

EXTRA-CURRICULAR ACTIVITIES

Creole Day Breakfast

The Authority hosted a creole breakfast in observance of the traditional Creole Day celebration to encourage camaraderie among staff and to expose a Taiwanese

volunteer Te Shin Tsai (Grace) who was attached to the Authority, to local cultural celebrations.



Christmas Lunch

In an effort to spread good cheer at Christmas time, the staff of the Authority comprising of the Head Office, Deglos Sanitary Landfill and the Vieux Fort Solid Waste Management Facility, were treated to a sumptuous lunch. In attendance was Mr. Sam Lai, Coordinator of the Taiwan ICDF Volunteer Programme.



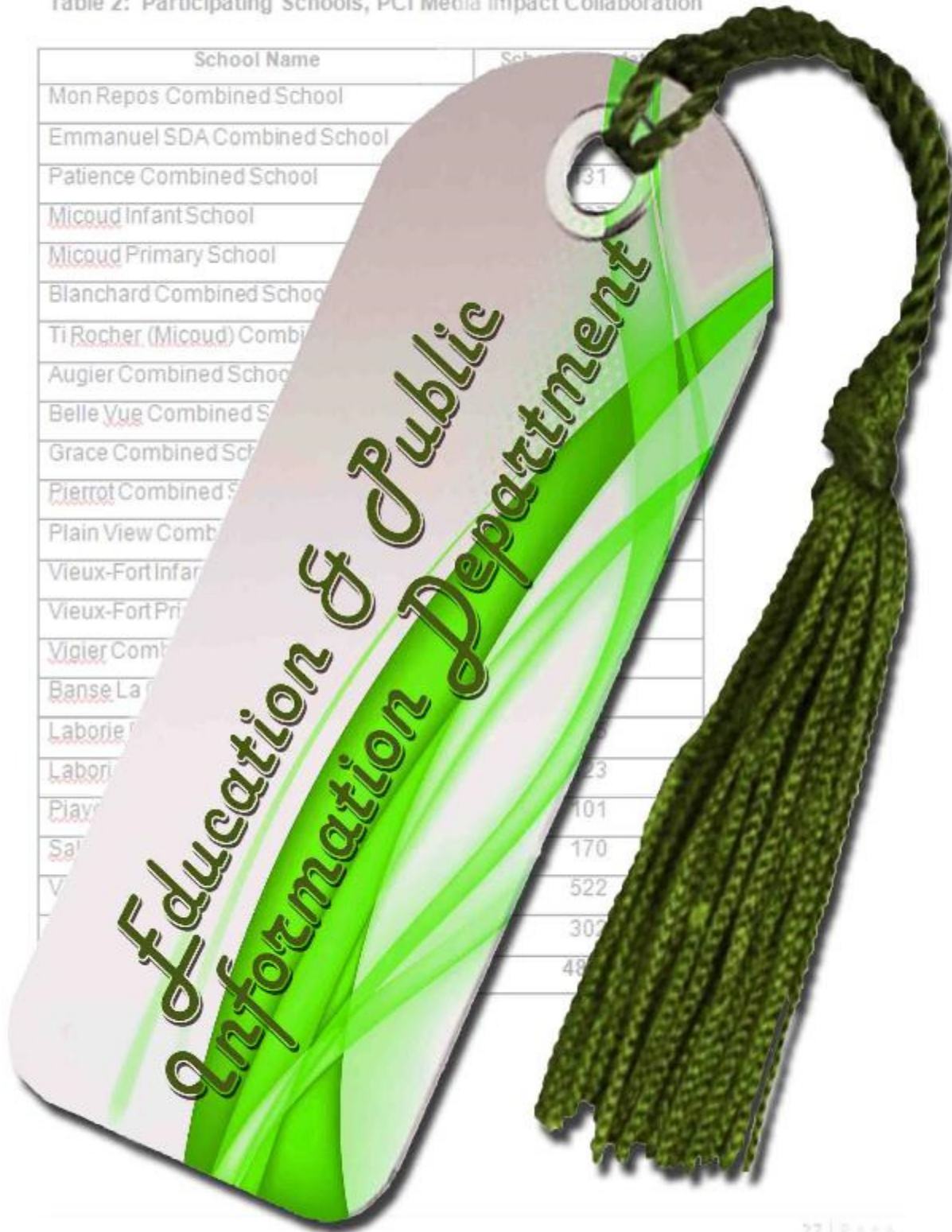
Farewell for Taiwanese Volunteer

The Management and staff of the Authority expressed their gratitude to Taiwanese volunteer, Te Shin Tsai who was attached to the Authority for a period of six (6) months, to carry out an extensive research on recycling in Saint Lucia. Ms. Tsai was presented with a token of appreciation and given a hearty farewell at a gathering hosted by the Authority.



Table 2: Participating Schools, PCI Media Impact Collaboration

| School Name | School Address |
|------------------------------------|----------------|
| Mon Repos Combined School | |
| Emmanuel SDA Combined School | |
| Patience Combined School | 31 |
| Micoud Infant School | |
| Micoud Primary School | |
| Blanchard Combined School | |
| Ti Rocher (Micoud) Combined School | |
| Augier Combined School | |
| Belle Vue Combined School | |
| Grace Combined School | |
| Pierrot Combined School | |
| Plain View Combined School | |
| Vieux-Fort Infant School | |
| Vieux-Fort Primary School | |
| Vigier Combined School | |
| Banise La Rose Combined School | |
| Laborie Combined School | 23 |
| Laborie Primary School | 101 |
| Playa Vista Combined School | 170 |
| Salisbury Combined School | 522 |
| Vieux-Fort Combined School | 302 |
| Vieux-Fort Primary School | 48 |



OVERVIEW

During the fiscal year 2013 – 2014 the Education Department continued to be charged with responsibility for the education and awareness mandate of the Authority. This the department undertook through various education and awareness initiatives which sought to empower the public with the necessary knowledge and skills that would allow them to make informed decisions and take responsible action. The role of the department though challenging was often accomplished through the print and electronic media as well as school and community outreach initiatives.

Website and Facebook Page

During the period under review an upgrade of the already existing website was undertaken in lieu of the construction of a new one in keeping with cost cutting measures encouraged by the organization. The upgrade was critical in facilitating a more appealing and user friendly experience for users. Greater use was also made of social media through the Authority's facebook page as periodic updates highlighted activities undertaken by the organization.

Solid Waste Recycling Study

The Department played the lead role during a study commissioned to determine the status of solid waste recycling on the island. The study was undertaken in collaboration with the Taiwan ICDF Overseas Volunteer Programme and was spearheaded by Te-Hsin Tsai (Grace) a Taiwanese volunteer who was attached to the Education Department for a period of six months.

Activities under the study included the following:

- An introductory meeting with solid waste recyclers
- field visits to twenty-one (21) recycling sites identified for observations and administering of questionnaire

- presentation of findings to the Board of Directors
- presentation of findings to solid waste recyclers and selected stakeholders
- production of a brochure
- preparation and submission of a final report (can be viewed on the Authority's website at www.sluswma.org)

Of the twenty-one recyclers/recycling related enterprises identified nineteen were functional at the time of the study (Appendix A Table 1)

It is anticipated that the output of the exercise would during the next fiscal year will assist the Authority in the further development of solid waste recycling on the island.

Public Complaints

The department continued to manage public complaints as well as the complaints database. This component of the programme facilitated public expression with respect to solid waste management on the island particularly with the services offered by the Authority. A total of four hundred and seven (407) complaints were processed during the reporting period (table1).

Table 1: Public Complaints Processed

| Quarters | Number of public complaints |
|----------------------------------|-----------------------------|
| April - June (1st Quarter) | 101 |
| July - September (2nd Quarter) | 111 |
| October - December (3rd Quarter) | 122 |
| January - March (4th Quarter) | 73 |
| Total | 407 |

An increase in the number of public complaints was experienced during the second and third quarters (Table 1). This was the result of operational challenges experienced by one solid waste collection contractor. A decrease in the number of complaints received however occurred during the fourth quarter as operational issues improved. All

complaints were forwarded to the Operations Department for investigation and closure. The department however assisted with the investigation and abatement of complaints which did not require field investigations.

School/Youth Outreach Programme

A notable component of the education programme was school/youth outreach. Activities were undertaken either as an organization or in collaboration with partner agencies. Activities took the form of presentations, workshops, site visits to disposal and sanitary landfill, mascot appearances, cleanup activities, all in an effort to promote positive solid waste management practices among the school population and youth.

During the period under review twenty-four (24) schools and youth groups benefitted from forty-four presentations (Appendix A, Table 2). Three (3) of the presentations were undertaken in collaboration with PCI Media Impact and two (2) with the Ministry of Sustainable Development in commemoration of International Biodiversity Day. The department also worked closely with the Department of Environmental Health in conducting seven (7) presentations to students of the Soufriere Infant and Primary Schools. Presentations highlighted issues of littering, illegal dumping, waste minimization, benefits of proper solid waste management practices and impacts of poor solid waste management.

Community Outreach

Efforts at minimizing community hotspots and nuisances associated with communal bins and persistent dumping outside collection days continued in collaboration with Zonal Supervisors of the Operations Department. Efforts to effect the change in the affected communities included house to house visits, community walkthroughs, formal and informal meetings, letter/flyer drop-offs, community announcements by the crier and the electronic media to a lesser extent. Some of the communities targeted under this initiative included Bois D' Orange, Trouya, Goodlands, Sunbilt/Cedars/Pattersons Gap,

Morne du Don, Castries/Gros-Islet Highway (Marisule). A satisfactory level of success was achieved.

Despite collaboration with the various stakeholder agencies such as Soufriere Development Foundation, Soufriere Town Council, Environmental Health Department, Education Office District 8, Royal Saint Lucia Police Force, Saint Lucia Fire Service, Soufriere Town Council, Saint Lucia Social Development, Soufriere Infant School, Soufriere Primary School and the Soufriere Comprehensive Secondary School the community of Palmiste is yet to achieve the desired results. Activities undertaken included

- presentations to all students of the Soufriere Infant, Primary and Secondary Schools
- workshops for children of Palmiste
- questionnaire survey administered in Palmiste in order to determine the perception of waste management (solid and liquid) in Palmiste. This was spearheaded by the Environmental Health Department
- house to house visits
- letter/flyer drop-off
- community meeting hosted and attended by all stakeholder agencies including councilors of the Soufriere Town Council.

As requested by residents the Soufriere Town Council facilitated the extension of the opening of the public facilities at Palmiste in an effort to minimize the disposal of faeces in drains and among solid waste placed out for collection by residents. However, the poor management of human faeces continues. Work will however continue in the community of Palmiste during the next financial year.

The department participated during the health and promotion fair hosted by the Ministry of Health, Wellness, Human Services and Gender Relations in commemoration of Caribbean Health and Wellness Day. Through a display of posters, flyers, brochures and other paraphernalia the department showcased the various waste management

services offered by the Authority. The negative impacts of poor solid waste management as well as the benefits of a clean environment were also highlighted.

The department also participated during an exhibition hosted by the Youth Emergency Action Committee in the community of Ti Rocher, Castries. The department highlighted the management of the various categories of solid waste, consequences of poor waste management and management of solid waste during and after a disaster.

A skit on the management of solid waste during the hurricane season/after a disaster was also facilitated through the Youth Emergency Action Committee during a talent show held at the Entrepot Human Resource Centre. An appearance was also made by Tin Tin the mascot.

Community Cleanup Activities

Community clean-up activities continued to be flagship activities for many communities throughout the island. Cleanup activities were encouraged because of their role in promoting volunteerism and greater ownership of communities. They were also opportunities for the clean-up of areas which would not normally benefit from government sponsored clean-up programmes.

During the period under review the Authority provided support to thirty-five (35) community cleanup activities through the provision of garbage bags and gloves and moral support (Appendix A, Table 3). Solid waste collection contractors assisted with the collection and disposal of waste generated during most clean-up activities. The Authority however contracted the services of haulers to assist with the collection of waste generated during clean-up activities when solid waste haulers were unable to undertake collect of solid waste.

One notable clean up activity was that organized by the Saint Lucia Hotel and Tourism Association. The Association successfully mobilized public and private sector interests to undertake a cleanup of the entire Rodney Bay area extending to the Pigeon Island National Landmark. Hundreds of persons engaged in the cleanup of the highway and

all streets within Rodney Bay. The Authority also played its part by providing support during the planning stages of the activity and cleaning up one of the streets in the Rodney Bay Village as assigned.

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

During the period under review the Department continued to facilitate tours to the Deglos Sanitary Landfill and the Vieux-Fort Solid Waste Management Facility. These were undertaken upon request mainly from schools. Site visits generally facilitated the strengthening/reinforcement of solid waste and pollution concepts taught in the schools.

During the period under review approximately six hundred and thirty-four (634) students, teachers, parents and youth were accommodated at the sites (Appendix A, Tables 4A and 4B). Tours also highlighted the need/importance for proper management practices at the household and community level and the need for all solid waste to be disposed of at either of the two authorized disposal/landfill sites.

Print Media

The department made very limited use of the print media. Flyers and letters were the methods most commonly utilized in conjunction with house to house visits. Their production and distribution addressed specific solid waste management issues for improvement within the target community. During the financial year some forty-four (44) communities were targeted (Appendix A, Table 5). Through Letters/flyers the waste management issues and the corrective actions to be undertaken by the targeted community were highlighted.

Flyers and brochures of a more general waste management content (already in stock) were distributed during expos, workshops/community meetings as well as to students and others desirous of obtaining information for assignments.

Newspapers were rarely utilized. The Authority however through the hurricane supplements published by The Voice and Star Newspapers highlighted the solid waste management practices required if the negative impacts which may arise after a disaster could be minimized.

During the period under review the department continued the quarterly production and electronic distribution of the newsletter 'SLSWMA News'. Activities of the Authority were highlighted through this medium.

Electronic Media

Press Releases

Press releases were prepared and issued to all media houses as the need arose (Appendix A, Table 6). Releases were usually followed by radio and television interviews featuring the various waste management issues and the desired change in behaviour. Press releases were also circulated through the Authority's Yahoo Group.

Public Service Announcements (PSAs)

Few public service announcements were aired during the period under review. Public service announcements addressing various waste management issues were aired on radio stations as the need arose. The bulky waste and Christmas PSAs were aired on television ahead of and during the Christmas season in an effort to remind the public of its responsibility during the time of year when the highest volume of solid waste is generated. The services of a community crier was also utilized in the dissemination of information to target communities (Appendix A, Table 7). This medium gave greater assurance that the messages reached the residents that it was intended for. All Public Service Announcements encouraged proper solid waste management practices among the public.

Conclusion

During the coming fiscal year the Department remains committed in taking the steps necessary to improving the overall performance of the department. Greater emphasis will be placed on community outreach as any improvement in individual communities signifies an improvement in the quality of life of experienced by individual communities. Efforts will continue to also overcome the challenges which exist or may arise whether internal or external as part of efforts to ensure that the education mandate of the organization is fulfilled and the future of solid waste management throughout the island remains promising.

APPENDIX

Table 1: List of Recyclers and Materials Collected

| Recycler | Metal | Plastic | Paper/ Cardboard | Glass | E- waste | Car battery | Tire | Wood pallets | Waste oil |
|--|-------|---------|---------------------|-------|-------------|----------------|------|-----------------|--------------|
| Biohelps Ltd. | | √ | √ | | | | | | |
| Construction & Recycling Ltd. | √ | | | | √ | √ | | | |
| D & D Recycle Ltd. | √ | √ | √ | √ | | √ | | | |
| Global Battery Recycling INC. | | | | | | √ | | | |
| J Robinson General Contractor | √ | | | | | | | | |
| Larry's Scrap Metal | √ | | | | | | | | |
| Leon's Backhoe and Trucking Service | √ | | | | | | | | |
| Northern Recycling Centre | √ | √ | √ | | | √ | | | |
| Recycle It Ltd. | √ | √ | √ | √ | √ | √ | √ | | |
| Renew Saint Lucia Ltd. | √ | √ | √ | | √ | √ | | | |
| Recycle Solutions Ltd. | √ | √ | √ | √ | | | | √ | |
| Mr. Mikey Marcelle | √ | √ | | | √ | | | | |
| Mr. Sekou Reny | √ | √ | | | | | | | |
| Mr. Gurprit Singh | √ | | | | | | | | |
| Chemical Manufacturing & Investment Co. Ltd. | | √ | | | | | | | |
| Clay Products Ltd. | | | | | | | | | √ (auto) |
| Power Engineering Services Ltd. | | | | | | √ | | | |

| | | | | | | | | | |
|---|--|--|--|---|--|--|--|--|---------------------|
| St. Lucia Distillers Group of Companies | | | | √ | | | | | √ (auto) |
| St. Lucia Linen Services Ltd. | | | | | | | | | √ (auto/cooking) |

Table 2: School/Private/Public Presentations

| Public/Private Sector Name | No. of Presentations | No. of Participants |
|---|-----------------------------|----------------------------|
| Soufriere Infant School | 3 | 211 |
| Soufriere Primary School | 4 | 233 |
| Soufriere Comprehensive Secondary School | 15 | 653 |
| Infants, Palmiste Community | 1 | 20 |
| Primary Level, Palmiste Community | 1 | 15 |
| Secondary Level, Palmiste Community | 1 | 12 |
| Laborie Community in collaboration with PROUD | 1 | 30 |
| Soufriere Comprehensive Secondary | 1 | 50 |
| Caribbean Youth Environment Programme Southern Workshop | 1 | 28 |
| Camille Henry Memorial School | 1 | 700 |
| Discoveries Early Childhood Development Centre | 1 | 40 |
| Tapion Private School | 2 | 200 |
| Carmen Rene Memorial | 1 | 500 |
| Creative technology solutions - Today's Kids, Tomorrow's Entrepreneurs business programme | 1 | 25 |
| George Charles Secondary School | 1 | 500 |
| National Youth Symposium on Illegal Development - PROUD Sensitization Project | 1 | 55 |
| Education District 2 Fun Walk Culmination Exercise | 1 | 1000 |
| Dame Pearlette Louisy Primary School | 1 | 962 |
| Monchy Community (Monchy Disaster Preparedness Committee) | 1 | 35 |
| Caribbean Youth Environment Network, Northern Workshop | 1 | 30 |

| | | |
|--|----|------|
| Balata Combined School | 1 | 144 |
| Babonneau Secondary School | 1 | 525 |
| Balata Community Disaster Response Team and Balata community | 1 | 40 |
| Vieux-Fort Primary School | 1 | 75 |
| TOTAL | 44 | 6083 |

Table 3: Community Cleanup Activities

| Group | Area Cleaned |
|---|--------------------------------------|
| Japanese Volunteers | Castries City |
| Wilton Yard Community | Wilton's Yard |
| Royal Saint Lucia Police Force | Police Headquarters and Environs |
| Japanese Volunteers | Castries City |
| Bethel Church | Barnard Hill |
| Japanese Volunteers | Vigie Beach |
| Royal Saint Lucia Police Force | Police Headquarters and Environs |
| Japanese Volunteers | Tapion Beach |
| Graveyard Community | Grave Yard |
| Japanese Volunteers | Castries City |
| La Clery Summer Fun | Folk Research Centre premises |
| Japanese Volunteers | Pointe Seraphine |
| Court Division, Ministry of Justice | Halcyon to Choc Roundabout |
| Odsan SDA Youth Group | Odsan - Barre Denis/Barre St. Joseph |
| Japanese Volunteer | Pointe Seraphine |
| Anse La Raye CDRT and Saint Lucia Red Cross | Anse La Raye |
| Pathfinders Club | Sarot |
| Duke of Edinburgh Awards Scheme | Anse La Raye |
| Beausejour Community | Beausejour Phase 2 |
| Beausejour Phase 2 | Beausejour Phase 2 |
| Riviere Mitant | Riviere Mitant Community |
| Seventh Day Adventist Church | Babonneau |
| Central Library Summer Camp | Reduit Beach |
| Sunbilt Action Group | Sunbilt |

| | |
|--|---|
| Sunbilt Action Group | Sunbilt |
| Japanese Volunteers | Cas en Bas Road |
| Japanese Volunteers | Gros-Islet |
| SLHTA | Rodney Bay Village to Pigeon Island National Park |
| Garden Grove Community | Garden Grove, Entrepot |
| Balata Community | Balata |
| Vieux-Fort Primary School | Vieux-Fort |
| Lucian Aid Foundation | Micoud and East Coast |
| Praedial Larceny Unit | Richfond, Dennery Valley |
| Authority in collaboration with the Choiseul Village Council and Community | Reunion Choiseul |
| Japanese Volunteers | Sugar Beach Area |
| Total | 35 |

Table 4 A: Tours Deglos Sanitary Landfill

| Group Name | No. of Participants |
|--|----------------------------|
| Fond Assau Primary School | 16 |
| Nursing Students | 7 |
| Early Learning Preschool | 32 |
| New Discoveries Early Childhood Development Centre | 29 |
| Carmen Rene Memorial School Summer Programme | 50 |
| Pierrot Combined School | 30 |
| SLNT Youth Forum (Northern) | 40 |
| CYEN Northern Workshop | 35 |
| Corinth Secondary School | 13 |
| Dame Pearlette Louisy Combined School | 140 |
| Gros-Islet Infant School | 44 |
| La Guerre Primary School | 39 |
| Des Barras Primary School | 21 |
| La Croix Maingot Combined School | 41 |

| | |
|---|-----|
| Emmanuel Seventh Day Academy Combined School | 14 |
| TOTAL 15 | 634 |

Table 4 B: Vieux-Fort Solid Waste Management Facility

| Group Name | No. of Participants |
|-----------------------------|---------------------|
| SLNT Youth Forum (Northern) | 40 |
| CYEN Northern Workshop | 35 |
| TOTAL 2 | 75 |

Table 5: Letter/Flyer Drop-offs

| Brief Description | Community Name |
|------------------------------|---|
| Bin Removal | Bois D'Orange |
| Bin Removal | Bois D'Orange |
| Bin Removal | Bois D'Orange |
| Bin Removal | Bois D'Orange |
| Bin Removal | Union Hilltop |
| Change in collection service | Levern Spencer Drive, Cocoa, Babonneau |
| Bin Removal | Cedars/Sunbilt |
| Collection Days | Bocage |
| Collection days | Bois D'Orange |
| Bin Removal | Marisule Highway |
| Change in collection service | Fostin's Development, Monier |
| Bin Removal | Trouya |
| Illegal Dumping | Reduit |
| Bin Removal | Marisule |

| | |
|--------------------------------------|-------------------------------------|
| Bin Removal | Trouya |
| Vandalism/change in collection point | Marisule |
| Bin Removal | Cedars/Sunbilt |
| Bin Removal | Patterson's Gap |
| Bin Removal | Goodlands |
| Bin Removal | Country Village, Cul de Sac |
| Bin Removal | Cooper Road, Hospital Road |
| Reminder of Collection Days | La Clery |
| Collection reminder | La Croix Maingot |
| Collection Point | Glasgow Hill |
| Bin Removal | Morne du Don |
| Bin Removal | Morne du Don |
| Relocation of collection point | Bexon |
| Collection Days reminder | Frank Johnson Avenue, Morne Fortune |
| Collection days, illegal dumping | Wingsville, Soufriere |
| Bin removal | Piaye |
| Collection point | Union |
| Solid waste management practices | New Development, Soufriere |
| Solid waste management practices | Cafeirre, Choiseul |
| Bin Removal | Londonderry |
| Collection days - misuse | Sunny Acres |
| Designated collection point | La Retraite |
| Collection Days reminder | Palmiste, Soufriere |
| Collection Days reminder | Baron's Drive, Soufriere |
| Collection Days reminder | Gulf, Reunion, Choiseul |
| Collection Days reminder | Roblot, Choiseul |
| Collection Days reminder | Lamaze, Choiseul |
| Collection Days reminder | Debreuil, Choiseul |

| | |
|--------------------------|-------------------------|
| Collection Days reminder | Morne Sion, Choiseul |
| Collection Days reminder | Market Road, Soufriere |
| Collection Days reminder | Minji, Fond St. Jacques |
| Collection Days reminder | Anse La Verdue |
| TOTAL | 44 |

Table 6: Press Releases

| Month | Brief Description |
|--------------|--|
| October | Bin Removal Marisule Highway |
| December | Management of solid waste during the Christmas Season |
| December | Holiday season announcement |
| January | Presentation on Solid Waste Recycling |
| January | Solid Waste Collection in the Castries/Dauphin Collection Zone |
| February | Bin Removal Morne du Don |
| Total | 6 |

Table 7: Community Crier

| Community | Issue |
|-----------------------------|-----------------|
| Goodlands | Bin Removal |
| Country Village, Cul de Sac | Bin Removal |
| Cooper Road, Hospital Road | Bin Removal |
| Sugar City, Bois D'Orange | Collection Days |
| Morne du Don (x3) | Bin Removal |
| Total | 5 |



DERELICT VEHICLES

Under the Authority's jurisdiction, derelict vehicles are found in public places are in violation of the Authority's regulations. If the owner cannot be located, the vehicle is considered derelict.

Like the vehicles, the Authority is responsible for derelict vehicles impacted due to the Authority's actions. As a result of the Authority's actions on thirty vehicles were removed from the streets.

OVERVIEW

The fiscal period April 2013 to March 2014, saw the Authority's continued efforts at ensuring that municipal solid waste collection systems meet the needs of the various waste generators, that the service is provided at an optimal level and that the health, safety and the environment is given due attention. Likewise, the Authority continued to place much emphasis on ensuring that solid waste disposal systems are operated efficiently and with little impacts on human health, safety and the environment.

The Authority has the responsibility for the collection of municipal solid waste generated from residential properties, public schools and institutions and government offices. With regards to solid waste disposal, the Authority operates and manages the only 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, located in the south of the island.

SOLID WASTE DISPOSAL

The two waste management facilities operated by the Authority are equipped with weighbridges and accept the following solid waste streams:

- 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 – this is waste generated from commercial activities e.g. hotels, restaurants, supermarkets, shops, etc.
- Industrial waste – this is waste generated from industrial operations e.g. electricity production, factories, manufacturing processes, etc.
- Construction and Demolition waste – this is 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 at the waste management facilities without posing a significant risk to human health and the

environment e.g. asbestos, fiberglass, solidified paints, certain expired 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. Usually, these are given to metal recyclers for export.
- Quarantine waste – waste generated on ships and aircraft visiting the island.
- Used oil – oil generated in the island are stored in used oil storage containers at the facilities.

WASTE QUANTITIES

During the period, the island disposed of approximately seventy-four thousand four hundred eighty-three (74,483) tons of solid waste at both of its waste management facilities, namely Deglos Sanitary Landfill and Vieux Fort Solid Waste Management Facility, representing an increase of four thousand one hundred sixteen (4,116) tons over the last period. Of this amount, Deglos Sanitary Landfill disposed of fifty three thousand five hundred forty three (53,543) tons or seventy two percent (72%) of the waste. The landfill recorded an increase of approximately six hundred ninety-three (693) tons or one point three percent (1.3%) during the year. Residential/institutional waste, representing forty percent (40%) of all waste, continues to constitute the bulk of disposal at the landfill, showed a marginal increase of three percent (3%). The largest increase by category was realized in the condemned food category due to the damage caused by the Christmas Day Trough event. This category recorded an increase of one hundred ninety percent (190%).

At the Vieux Fort Solid Waste Management Facility waste quantities increased by approximately twenty percent (20%), from seventeen thousand five hundred seventeen (17,517) ton to twenty thousand nine hundred forty (20,940) tons. This represents the highest quantity of waste received since 2005/06 when the facility received twenty two thousand one hundred ninety-one (22,191) tons of waste. The more significant increases occurred in the construction & demolition waste category which recorded an increase of

three hundred forty-three percent (343%) and tires with a sixty percent (60%) increase. The largest component of the waste stream, residential/institutional waste, accounted for twelve percent (12%) increase (See table 1).

Table 1

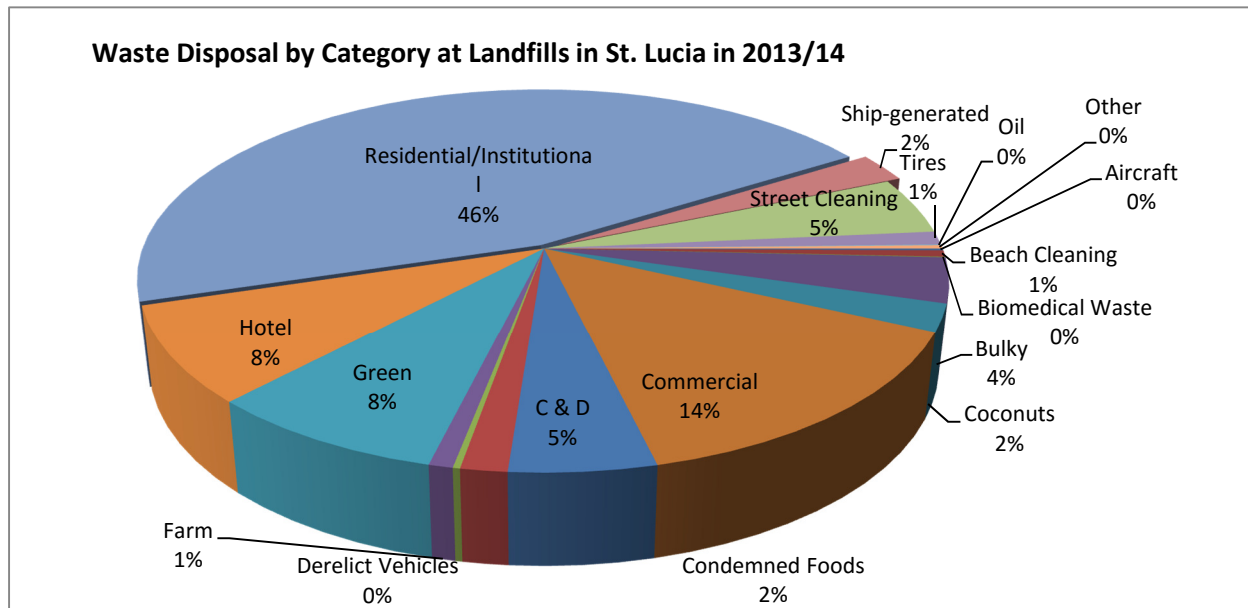
| Category | Deglos Sanitary Landfill | | | Vieux Fort Solid Waste Management Facility | | | All Landfills | | |
|---------------------------|--------------------------|--------------|------------|--|----------------|-------------|----------------|--------------|------------|
| | 2012/13 | 2013/14 | % Diff | 2012/13 | 2013/14 | % Diff | 2012/13 | 2013/14 | % Diff |
| Aircraft | 0 | 0 | 0.0 | 104.9 | 113.1 | 7.8 | 104.9 | 113.1 | 7.8 |
| Asbestos | 3.8 | 3.7 | -2.6 | 6.3 | 0 | -100.0 | 10.1 | 3.7 | -63.4 |
| Beach Cleaning | 208.2 | 261 | 25.4 | 62.2 | 139.7 | 124.6 | 270.4 | 400.7 | 48.2 |
| Biomedical Waste | 45.5 | 44.02 | -3.3 | 3.5 | 0 | -100.0 | 49 | 44 | -10.2 |
| Bulky | 1250.9 | 1293 | 3.4 | 1209.7 | 1528.7 | 26.4 | 2460.6 | 2821.7 | 14.7 |
| Coconuts | 1362.2 | 1620.3 | 18.9 | 61.6 | 102.8 | 66.9 | 1423.8 | 1723.1 | 21.0 |
| Commercial | 11410.8 | 7777.1 | -31.8 | 2780.6 | 2804.8 | 0.9 | 14191.4 | 10581.9 | -25.4 |
| C & D | 3995.9 | 4319.8 | 8.1 | 57.2 | 253.6 | 343.4 | 4053.1 | 3673.4 | -9.4 |
| Condemned Foods | 388.8 | 1129.9 | 190.6 | 14.9 | 39.8 | 167.1 | 403.7 | 1169.7 | 189.7 |
| Derelict Vehicles | 100.5 | 123.5 | 22.9 | 29.9 | 56.8 | 90.0 | 130.4 | 180.3 | 38.3 |
| Farm | - | 574.9 | 0.0 | - | 30.6 | 0.0 | - | 605.5 | 0.0 |
| Fibreglass | 0 | 0.04 | 0.0 | 0.2 | 0.44 | 120.0 | 0.2 | 0.48 | 140.0 |
| Green | 6600.4 | 5903.5 | -10.6 | 850.7 | 744.4 | -12.5 | 7451.1 | 6065.4 | -18.6 |
| Hotel | - | 5201.4 | 0.0 | - | 880.1 | 0.0 | - | 6081.5 | 0.0 |
| Metal | 106.2 | - | 0.0 | 26.7 | - | 0.0 | 132.9 | - | 0.0 |
| Pharmaceutical | 0.1 | 1 | 900.0 | 3.5 | 2 | -42.9 | 3.6 | 3 | -16.7 |
| Plastics | 33.2 | - | 0.0 | 27.2 | - | 0.0 | 60.4 | - | 0.0 |
| Residential/Institutional | 20811.9 | 21382 | 2.7 | 11140.6 | 12521.6 | 12.4 | 31952.5 | 33903.3 | 6.1 |
| Ship-generated | 1719.3 | 1839.2 | 7.0 | 5.7 | 3.4 | -40.4 | 1725 | 1842.6 | 6.8 |
| Street Cleaning | 3068.5 | 2222.5 | -27.6 | 958.1 | 1366.9 | 42.7 | 4026.6 | 3589.4 | -10.9 |
| Tires | 494.3 | 628.2 | 27.1 | 135.5 | 216.1 | 59.5 | 629.8 | 844.3 | 34.1 |
| Oil | - | 37.8 | 0.0 | - | 2.7 | 0.0 | - | 40.5 | 0.0 |
| Other | 1248.7 | 80.6 | -93.5 | 38.4 | 132.1 | 244.0 | 1287.1 | 212.7 | -83.5 |
| Total | 52849.2 | 53543 | 1.3 | 17517.4 | 20939.6 | 19.5 | 70366.6 | 74482 | 5.8 |

* DSL- Deglos Sanitary Landfill

**VFSWMF – Vieux Fort Solid Waste Management Facility

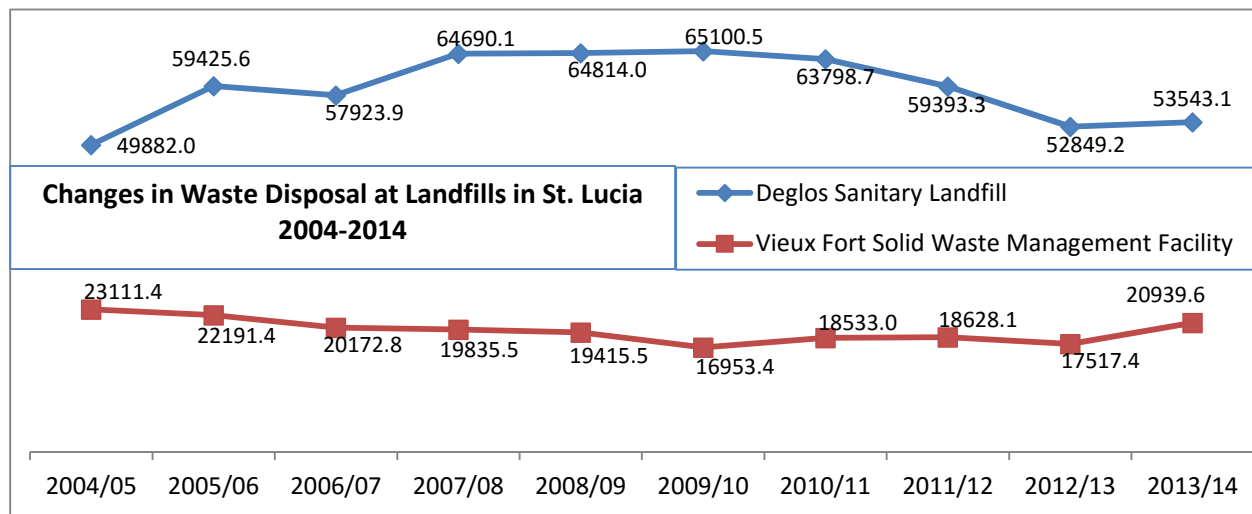
Overall, residential/institutional waste continues to represent the largest component of the waste stream at forty-six percent (46%) followed by commercial waste at fourteen percent (14%), green waste at nine percent (9%) and hotel waste at eight percent (8%). See figure 2.

Figure 2



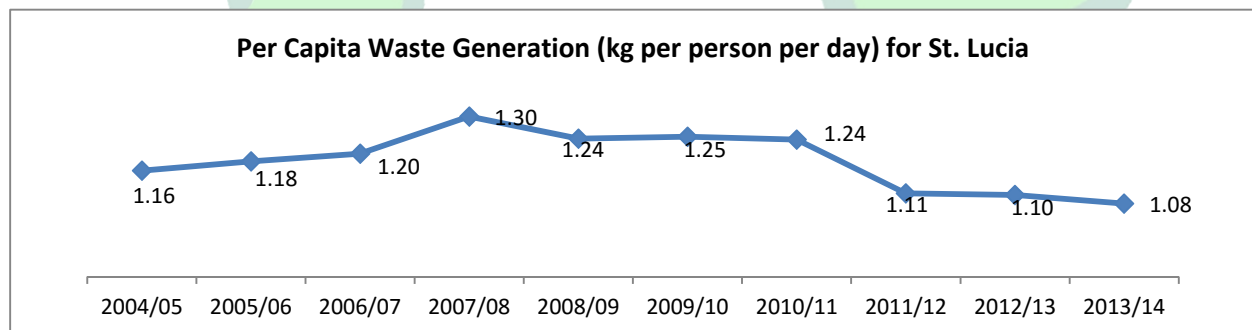
Over the past (10) ten years, waste quantities at Deglos Sanitary Landfill have averaged approximately fifty nine thousand (59,000) tons yearly with an average yearly increase of approximately one percent (1%). At the Vieux Fort Solid Waste Management Facility waste quantities averaged approximately twenty thousand (20,000) tons per year with an average yearly decrease of approximately six percent (6%). Overall, waste quantities disposed of from 2004/5 to 2013/14 increased by an average of four percent (4%) yearly with residential/institutional waste decreasing by an average of six percent (6%) annually (see figure 3).

Figure 3



Waste generation rate has remained fairly constant over the past ten (10) years averaging approximately one point two (1.2) kilograms per person per day (see figure 4).

Figure 4



Commissioning of the tire shredder which the Authority hoped would have taken place during this period did not materialized due to fiscal challenges facing it. Used tires continued to be stockpiled at both waste management facilities and as a result the Authority have received numerous complaints concerning the issue of mosquito-breeding. To mitigate the breeding, the Authority has undertaken fogging using in-house machines at the facilities and through the assistance of the Ministry of Health.

SOLID WASTE COLLECTION

The Authority is responsible for the collection of solid waste generated from private households, government offices, institutions and agencies. This service consists of the collection for regular solid waste on a frequency established by the Authority and the collection of bulky household items on a once monthly basis. To this end, the island is subdivided into eleven (11) waste collection zones, each serviced by a private waste collection contractor selected through a competitive tendering process for a five-year period.

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 refuse from the above-mentioned entities, the waste collection contractors are responsible for the removal of derelict vehicles in public places, remediation of indiscriminate dump sites and public awareness for the services they provide.

The Authority's waste collection contractors were responsible for collecting and transporting thirty-three thousand five hundred sixty-three (33,563) tons or approximately forty-five percent (45%) of all waste entering the landfills. This figure represents a decrease of approximately five percent (5%) or seventeen hundred thirty nine (1,739) tons less than the previous period. Figure 5 shows the amount of waste collected by waste collection contractors by collection zone for the period.

The waste collection zones of Vieux Fort, Gros-Islet and the three Castries Zones accounted for approximately sixty-six percent (66%) of the total amount of waste collected. The Choiseul waste collection zone which is the least populated and largest in size generated the least amount of waste, one thousand forty three (1,043) tons or three percent (3%) of the waste.

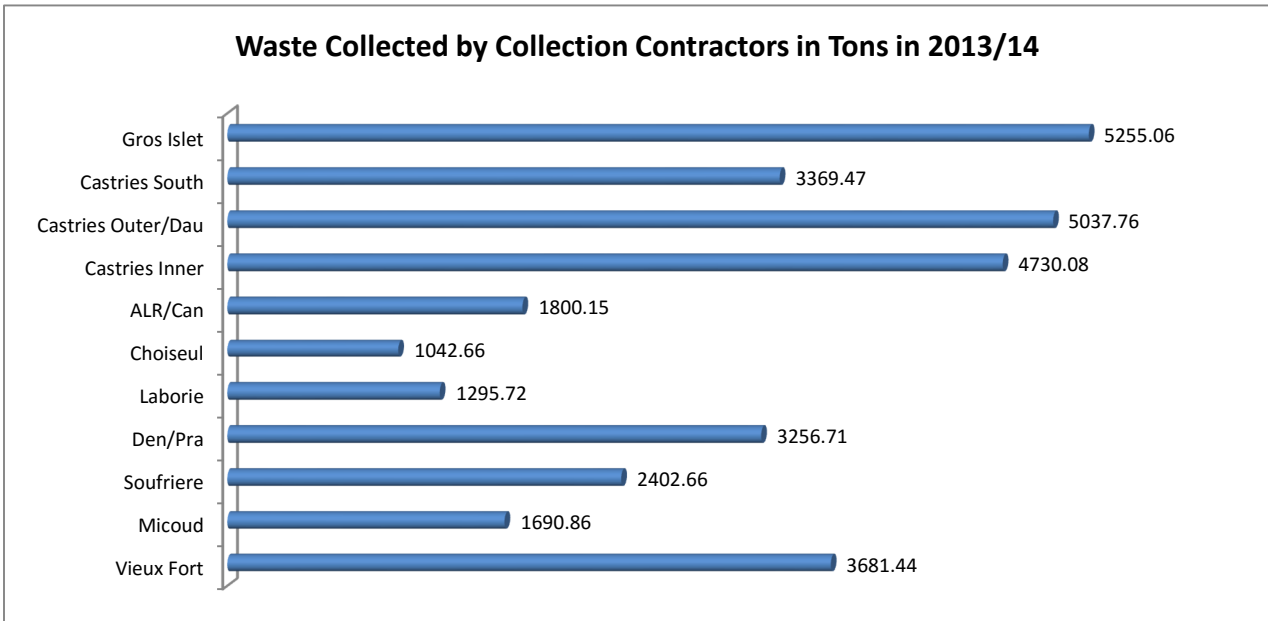


Figure 5

During the period, all waste collection contractors were audited by the Authority to determine the degree of compliance with the conditions of their respective contracts. Generally, most of the waste contractors performed satisfactorily and in accordance with their contracts. Common concerns of the Authority relates to the timely replacement of damaged communal bins by contractors, the clearing of litter around communal bins and the frequent breakdown of waste collection vehicles due to their age and inadequate maintenance .

SHIP-GENERATED WASTE

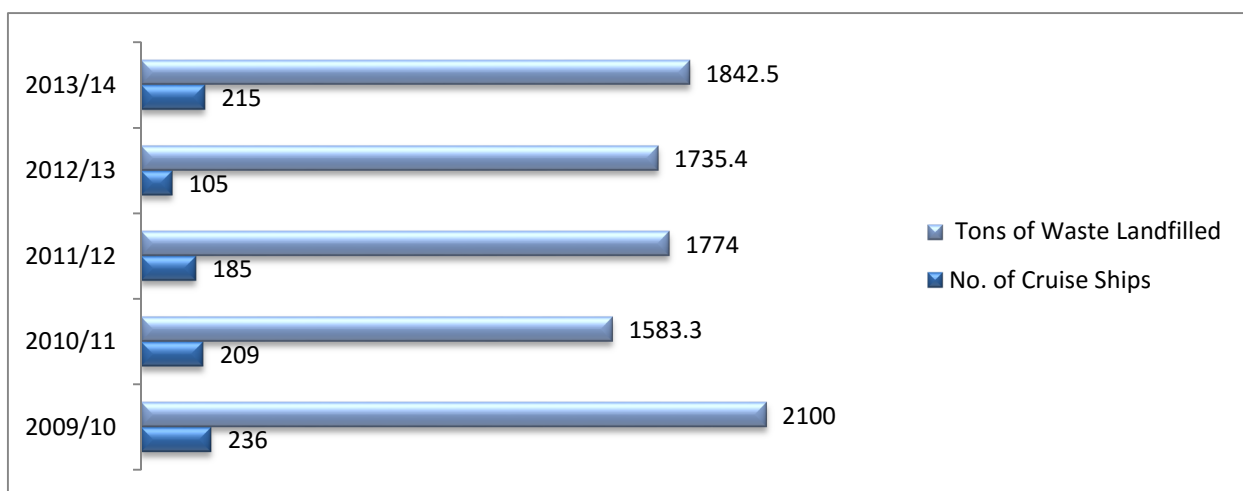
During the period, the Authority disposed of one thousand eight hundred forty-three (1843) tons of ship-generated waste, an increase of one hundred eighteen (118) tons or approximately seven percent (7%) over the previous period. The waste consisted mainly of dry garbage, incinerator ash, cardboard, ground glass and plastics and was discharged from two hundred fifteen (215) vessels. Cruise ships are required to notify the Authority on the prescribed form, 48 hours in advance of their intention to discharge garbage in the island.

In addition to the landing of garbage, cruise ships have been permitted to land items for recycling/reuse. These items are being received by persons/entities involved in the sale of these items locally and also in re-exporting items which cannot be used locally but have a potential for recycling. The Authority works collaboratively with the Ministries of Health and Agriculture, the cruise ship agents, Customs & Excise Department and the St. Lucia Air & Seaports Authority to ensure that the necessary measures are implemented to safeguard health, safety and the environment. Persons receiving these items are authorized by the Authority and their operations continually monitored to ensure adherence to stipulated guidelines.



Waste Discharged by Cruise Ships by Month

Figure 6



Trends in Cruise Ships Visits and Waste Discharged in St. Lucia

Figure 7

DERELICT VEHICLES MANAGEMENT

The Authority's program for the identification and removal of derelict vehicles in public places continued to be impacted due to a number of factors, including lack of financial resources.

During the reporting period, a total of seventy-five (75) derelict vehicles were removed from public places. Fifty-four (54) of these vehicles were removed by the owners while twenty-one (21) were removed by the Authority's waste collection contractors. A further sixty-eight (68) vehicles have been identified for removal in the island.

BIOMEDICAL WASTE MANAGEMENT

During the period, the Authority continued to ensure that due regard to health, safety and the environment is paid to the management of biomedical waste generated in the island. Biomedical waste generated on the island is collected, transported and treated by the Authority through a private contractor. The treatment facility consists of an autoclave equipped with shredders to render the waste unrecognizable. The collection and treatment service is offered to both government-owned health care facilities and private health facilities.

During the period, approximately forty three thousand nine hundred fifty (43,950) kilograms of biomedical waste was collected at approximately eighty-seven (87) locations island-wide. Of this total, thirty nine thousand one hundred sixty four (39,164) kilograms or eighty nine percent (89%) originated from public health care facilities and eleven percent (11%) or four thousand seven hundred eighty six (4,786) kilograms from private health care institutions. The Government-owned Victoria Hospital generated twenty eight thousand five hundred sixteen (28, 516 kg) or seventy three percent (73%) of all biomedical waste treated followed by St. Jude's Hospital with nine thousand one hundred seventy six (9,176) tons or approximately twenty three percent (23%). Of this amount generated by St. Jude's Hospital, waste from the dialysis unit accounted for sixty percent (60%) or five thousand five hundred forty (5,540) kilograms of the waste generated. The private institution, Tapion Hospital generated approximately ten percent (10%). Figure 8 shows the trend in biomedical waste generated on the island for the past five (5) years. Waste generation at Victoria Hospital appears stable at an average of thirty thousand (30,000) kilograms annually, while at St. Jude Hospital waste generation has increased by over two hundred percent (200%) year on year. This is as a result of the increase in waste generation from the renal dialysis unit since 2010/11. Waste generation appears to be declining steadily at Tapion Hospital.

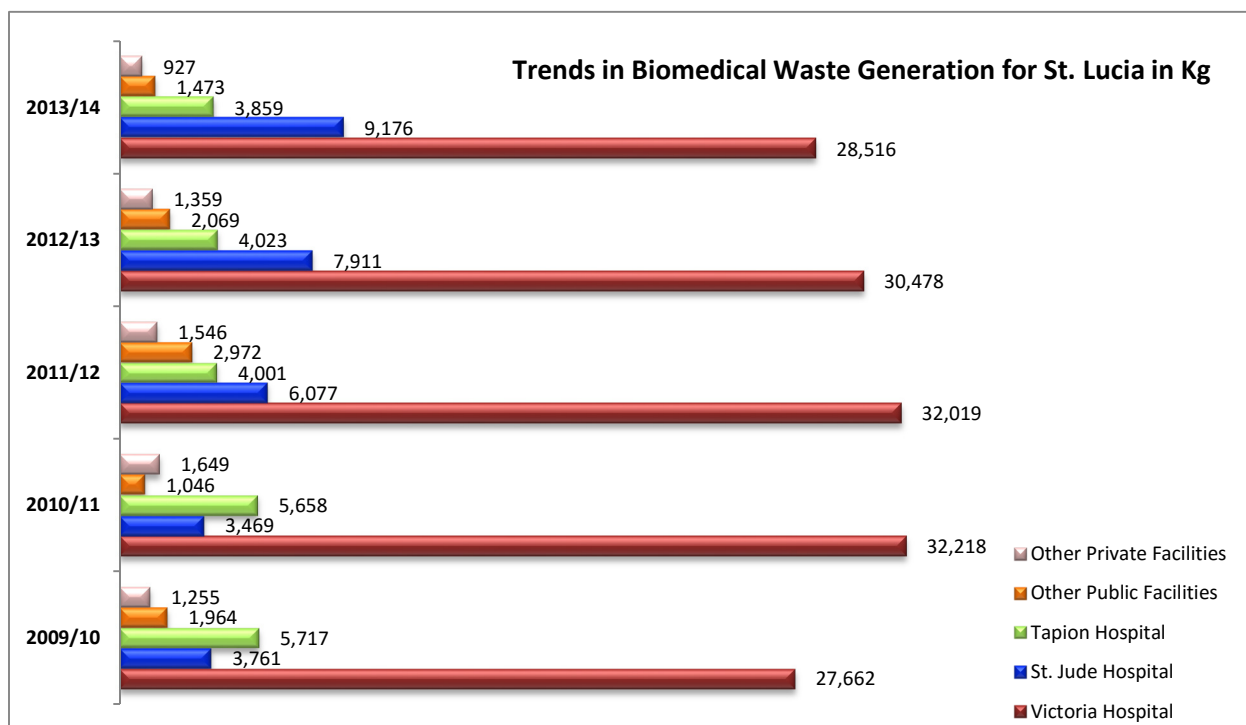


Figure 8

Audits were undertaken at most public healthcare facilities to ensure that biomedical waste is handled, stored and transported with due regard to health, safety and the environment.

USED OIL MANAGEMENT

Efforts continued at ensuring that used oil is managed in an environmentally sound manner. To this end, the deployment of waste oil storage containers continued at strategically located properties throughout the island to ensure that major generators of used oil have easy access to a facility to properly dispose of their used oil. To date approximately seventy-two (72) waste oil storage containers have been deployed island-wide at sixty-five (65) locations including auto garages, fire stations, police stations, marinas and at the landfills.

The purpose of the placement of waste oil storage containers at locations for use by the general public is to encourage persons who change their motor vehicle oil to safely and conveniently dispose of their waste oil in an environmentally sound manner instead of in the environment.

During the period, approximately four hundred thousand two hundred twenty one (400,221) gallons of used oil was collected by two companies for reuse in boiler operations. Of this amount used oil/oily waste from ships accounted for three hundred forty-four thousand nine hundred eighty-three (344,983) gallons or eighty-six percent (86%), used oil from auto garages accounted for thirty nine thousand five hundred eighty-four (39,584) gallons or approximately ten percent (10%) and cooking oil accounted for fifteen thousand six hundred fifty-four (15,654) gallons or four percent (4%).

The Authority believes that in excess of fifty percent (50%) of oil imported into the island is not properly disposed of, meaning that it is disposed of indiscriminately onto the ground, in drains and in waterways etc. It is therefore incumbent on the Authority to undertake a strategy that would include the continued deployment of storage containers island-wide, public information and awareness and legislation to ensure that as far as practicable all used oil is managed in an environmentally sound manner.

AUDITS

Garages

A total of thirty-eight (38) auto garages were audited for the purpose of determining compliance with requirements for approval by the Insurance Council of St. Lucia to undertake inspections. These audits are performed annually and this period saw improvements in the management of solid waste and waste oil at these garages. Audits were undertaken in all Zonal Supervisor's zones.

Healthcare facilities

A total of twenty-one (21) public Health & Wellness Centres, one (1) Polyclinic and two (2) Hospitals were audited during the period to ensure that biomedical waste was handled, transported, and stored paying due regard to health, safety and the environment. The results of the audits indicated that biomedical waste is managed adequately at these facilities. The audits took place in three (3) Zonal Supervisor's zones. Healthcare facilities in one Zonal Supervisor zone were not audited.

Schools

A total of seventy-five (75) schools in three (3) Zonal Supervisors' zones were audited by the respective supervisors to ensure that solid waste is handled and stored in a manner so as to safeguard the health and safety of school users. The results of the audits indicated a satisfactory level of waste management all schools audited. Schools in one zone were not audited during the period.

Hotels

The Authority undertook audits of hotels during the period to ensure that solid waste was managed in an environmentally sound manner and to advise on waste diversion initiatives. A total of ten (10) hotels were audited during the period in two (2) Zonal Supervisor's Zones.

Waste Haulers

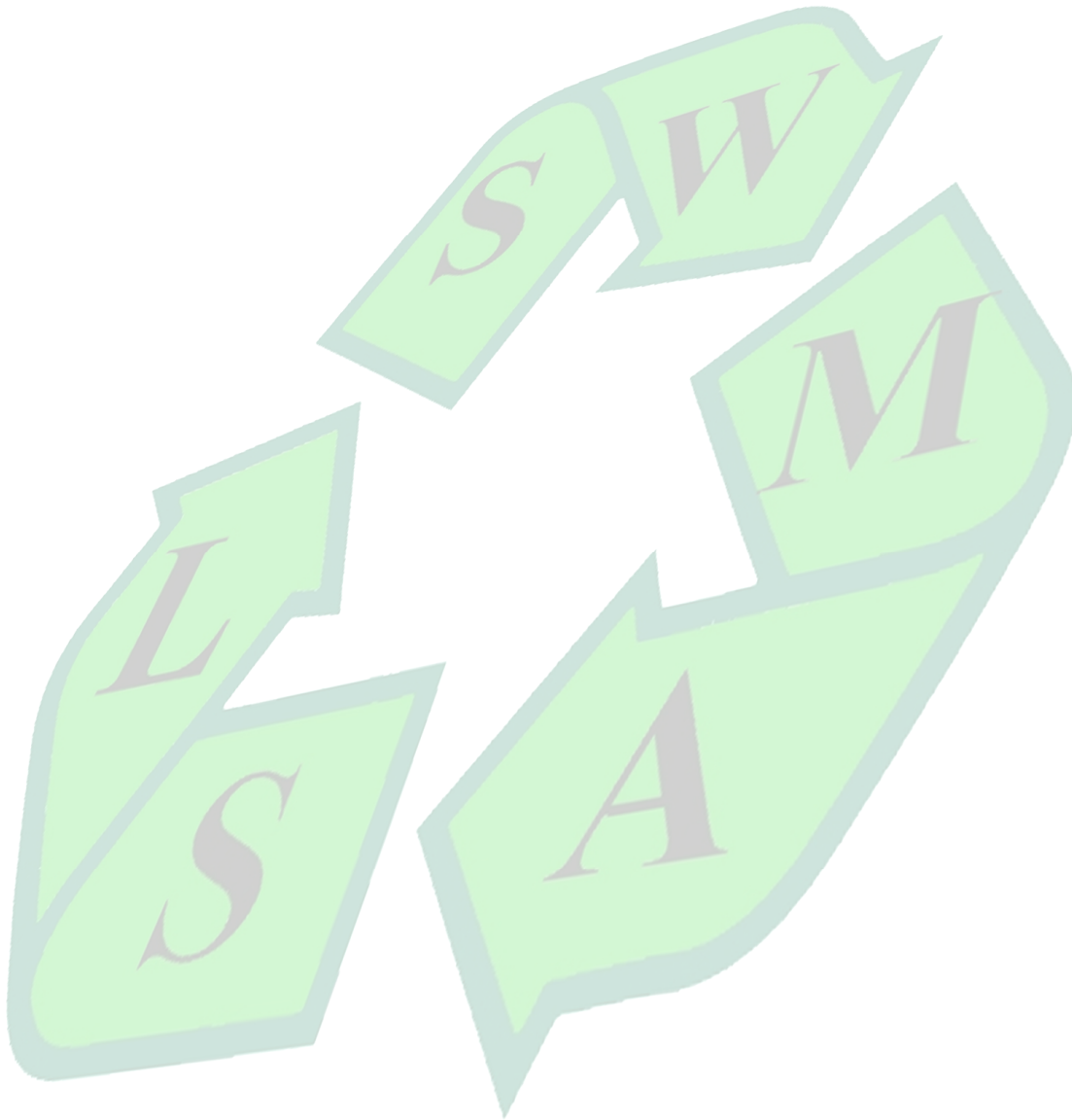
Anyone who desires to transport solid waste for reward is required under the Waste Management Act No. 8 of 2004 to be in possession of a valid Waste Haulers Permit. To this end, the Authority issued eighteen (18) Waste Haulage Licenses during the period. A prerequisite for obtaining the license is the satisfactory condition of the vehicle and the premises where the waste haulage vehicle is kept.

CHALLENGES/ISSUES

One of the Operations Department's major challenges continues to be the management of an aging fleet of landfill equipment manifested in frequent downtime of the equipment. The result is the unsatisfactory management of the landfills when equipment is not available and the high cost of replacement rental equipment.

Another major challenge for the Operations Department is the stockpiling of waste tires at both landfills but particularly at the Deglos Sanitary Landfill. The stockpiling of tires brings with it the possibility of fires and the breeding of mosquitoes, rats and other vermin. Currently, the stockpile of tires at the Deglos Sanitary Landfill is located along the southern boundary in close proximity to an asphalt and concrete block plant,

endangering property in the event of a fire and causing a nuisance to personnel by acting as a breeding ground for mosquitoes. It is anticipated that the new tire shredder which was purchased in May 2012 will become operational during the next fiscal period.



Saint Lucia Solid Waste Management Authority

Statement of Comprehensive Income

(Expressed in Eastern Caribbean Dollars)

| | 2013 | 2012 |
|---|-------------------|------------------|
| INCOME | | |
| Amortisation of deferred funding assistance | 12,741 | 1,162 |
| Environmental levy | 873 | 3,925 |
| Government of Saint Lucia | 1,000 | 5,350 |
| Interest income | 158 | 1,118 |
| Other income | 1,491 | 1,440 |
| Release of fixed assets fund | 1,485 | 1,191 |
| TOTAL INCOME | 5,348 | 10,016 |
| EXPENDITURE | | |
| Advertising and public relations | 43,977 | 43,486 |
| Audit fees | 12,850 | 12,700 |
| Bank charges | 3,123 | 3,040 |
| Board expenses | 29,600 | 10,800 |
| Compensation | 101,390 | - |
| Depreciation | 590 | 13,021 |
| Environmental levy deduction | 468 | 12,289 |
| Landfill operating costs | | |
| - Amortisation | 1,166,502 | |
| - Operating costs | 678,217 | |
| - Professional services | 54,472 | |
| Miscellaneous | 5,799 | |
| Office expenses | 27,640 | |
| Office rental | 36,000 | |
| Professional services | 21,105 | |
| Safety equipment | 2,684 | |
| Salaries and wages | 1,092,503 | |
| Service charges | 8,255 | |
| Subscriptions | 1,097 | |
| Training | 13,167 | |
| Travel | 28,864 | |
| Utilities | 37,616 | |
| Waste management | 5,634,043 | |
| TOTAL EXPENDITURE | 11,643,300 | |
| EXCESS OF INCOME OVER EXPENDITURE | (358) | (424,284) |

The accompanying notes are an integral part of these financial statements.

OVERVIEW

Over the last four financial years (current year included), the Saint Lucia Solid Waste Management Authority recorded significant operating deficits totaling \$4,311,802. This year's \$909,499 deficit is less than half of the prior year's \$1,888,358 amount and increases the negative Fund Balance to \$1,809,637.

As the figures indicate, although this year's deficit is a relatively large amount, it however represents a much improved performance over the prior year's comparative. Total revenue increased as it went from \$10,903,348 in 2012/13 to \$11,194,972 in 2013/14. On the other hand and more significantly, total expenditure decreased as it went from \$12,791,706 in 2012/13 to \$12,104,471 in 2013/14. This is a reduction of \$687,235. Highlights of this year's revenue and expenditure when compared with the previous year include a 15% increase in Environmental Levy revenue from SLASPA and a 27% decrease in Landfill Operating Costs.

During the year, the Cabinet of Ministers deliberated on the Authority's deteriorating financial performances which have been ongoing for the last five years. Expressions of concern in that regard have also been documented by our external auditors under Note 2 of the notes to the Financial Statements entitled 'Going Concern'. To this end, Cabinet took a number of decisions, one of which dealt with the negative impact of the Value Added Tax (VAT) on the Authority's cash flow and overall viability. That decision is expected to take effect by way of increased subvention in the subsequent year to cover the significant increase in waste collection cost brought about by the VAT. During the year, there was no increase in the base contract amounts and so the VAT payments to our waste collection contractors (an amount which cannot be claimed under the VAT Act) is the sole reason for the Authority's significant \$427,950 increase in waste collection expenses (See Statement of Comprehensive Income)

STATEMENT OF FINANCIAL POSITION

As indicated earlier, the Authority's financial condition has been trending negative for a number of years. From a 'Statement of Financial Position' perspective, Total Assets went from \$8,570,872 in 2012/13 to \$6,089,410 in 2013/14. The disparity is \$2,481,462 or 29%. Conversely, Total Liabilities showed a marginal \$176,929 decrease as it went from \$5,995,484 in 2012/13 to \$5,818,555 in 2013/14. It should be noted that Deferred Income of \$5,141,555, which is part of Current Liabilities, has been a constant feature in the Authority's liabilities since April of 2007.

Despite the fact that there was a relatively slender reduction in Current Liabilities, its ratio to Current Assets has worsened. This means that as it stands right now, the Authority does not have the capacity from the level of Current Assets to meet its Current Liabilities obligations. An analysis of the current ratio is as follows:

| | 2013/14 | 2012/13 |
|----------------------|----------------|----------------|
| Current Assets | 2,554,464 | 3,407,002 |
| Current Liabilities | 5,818,555 | 5,995,484 |
| Current Ratio | .44:1 | .57:1 |

SIGNIFICANT ISSUES – REVENUE

Subvention

Government's level of financial support to the Authority for the year has again remained unchanged. Although the \$5,000,000 amount appears to be significant, there continues to be a budget shortfall which results in those major operating losses recorded in the Statement of Comprehensive Income for a number of years now.

Environmental Levy

This two-part revenue source has always been a significant financial pillar for the Authority. Gross earnings for the year totaled \$4,254,068. This amount is up by \$561,195 or 15.2% from the prior year's comparative. Increases were recorded in both sources, namely: stopover and cruise passengers. It should be noted that during the year, the amount per passenger which SLASPA remits to the Authority was increased from \$EC4.00 to \$EC4.08.

Pursuant to Cabinet Conclusions No. 685 of 1999 and No. 350 of 2002, SLASPA continued to apply deductions to the cruise passenger component of this revenue source. For the year deductions totaling \$411,852 were made.

| | | |
|---------------------|--------------------|--------------------|
| Stopover Passengers | | \$1,382,423 |
| Cruise Passenger | \$2,871,645 | |
| Less Deductions | <u>(\$411,852)</u> | <u>\$2,459,793</u> |
| TOTAL (NET) | | \$3,842,216 |

SIGNIFICANT ISSUES – Expenditure

Waste Collection Expenses

This year, the Saint Lucia Waste Management Authority saw the full effect of having to apply the Value Added Tax (VAT) to our waste collection expenses. It came into effect in October of 2012 and so the impact was experienced for half of that financial year (2012/13). For the year under review, waste collection expenses (bio-medical and household) totaled \$6,563,258. Included in that amount is \$855,771 paid as VAT.

Waste collection costs account for fifty-four percent (54%) of total expenditure as stated in the Statement of Comprehensive income.

Landfill Operating Expenses

For the review period, landfill operating costs decreased significantly when compared to costs in the prior year. Expenditure associated with these operations for 2013/14 (exclusive of amortization and professional services) totaled \$2,210,972. The comparative for 2012/13 is \$3,024,797. This represents a reduction of \$813,825 or 27 percent. The main contributors to this decrease are a \$591,957 decrease in hired equipment costs, and a \$226,317 decrease in repairs and maintenance costs.

It is important to note that following a period of high hired equipment cost, most of which had to do with an Excavator, the Authority took a decision to procure one. This has contributed in a major way to the reduction in operating costs for both sites.

Administration and Related Expenses

There was a significant \$140,856 decrease in this category of expenditure as it went from \$1,420,798 at the end of 2012/13 to \$1,279,942 at the conclusion of 2013/14. The decrease is as a result of a \$101,398 compensation expense which the Authority incurred in 2012/13 for which there was no comparative in 2013/14. *(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.

