



CARIBBEAN WATER AND  
WASTEWATER ASSOCIATION

# The CWWA InfoStructure

Caribbean Collaborations, Unified Solutions

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## Contact Us:

Mailing Address: c/o WASA, Farm Road St. Joseph, Trinidad  
W.I.

Tel: 868-645-8681; 662-2302-7 Ext. 3474; 3475

Fax: 868-645-7849

Email: [cwwattsecretariat@gmail.com](mailto:cwwattsecretariat@gmail.com)

Website: [www.cwwa.net](http://www.cwwa.net)

Find us on face book:



## *Secretariat Update*

### FAREWELL

#### **Marian Stephen CWWA Executive Assistant**

CWWA Executive Assistant, Marian Stephen demitted office as the key contact at the CWWA Secretariat in Trinidad. On March 31<sup>st</sup> 2015, Marian retired after 17 years of outstanding service to CWWA. Marian oversaw membership, and fielded questions and emails about every aspect of CWWA, as well as assisted at the CWWA annual conferences.

CWWA extends a heartfelt “thank you” to Marian for many years of service to the Association and recognizes her significant contribution and dedication. Marian's work and loyalty has been one to admire.

***Thank you Marian! And our very best wishes for your future endeavors!***

### WELCOME

#### **Mahalia Davis-Boatswain CWWA Administrative Officer**

We are pleased to introduce Ms. Mahalia Davis-Boatswain, the newly appointed Administrative Officer for CWWA, commenced 2<sup>nd</sup> March 2015.

Mahalia has worked for a number of years in the field of Office Administration. She brings to this position, commendable competence in organizational and management skills. She has already been interacting with members of the Executive Council and with some of you the members, who would have since contacted the Secretariat. Please join us in welcoming Mahalia on board as we wish her a long and rewarding relationship in the Association!

### CWWA SEEKS AN EXECUTIVE DIRECTOR

**Duty Station: Trinidad**

The Executive Director will be responsible for: (a) coordinating the preparation of the Annual Work Plan and Budget of the Secretariat; (b) planning and implementing approved programmes; (c) managing information dissemination; (d) supervising the human resource management function; (e) and the provision of general administrative support.

#### **Required competencies:**

- Strong leadership and relationship-management skills with a proven track record of building and managing teams and creating an enabling work environment.
- An exceptionally high ability to communicate effectively, sending clear messages to a diverse audience which includes Executive Management, the Board of Directors and Government officials.
- Strong analytical skills to evaluate commercial offers and good knowledge of such factors as sources of supply, market trends, and pricing.
- Familiarity with the operations and dynamics of an NGO, in contrast to that of a publicly or privately held enterprise.
- Familiarity with the implementation of inter-regional and international programmes and processes
- Excellent negotiating skills in resolving conflicts.
- Strong interpersonal skills with ability to foster networks and partnerships. 6.8 Excellent representational skills that will enhance the profile of CWWA.

Application Deadline Date: 10<sup>th</sup> April 2015

**Further details on Qualifications and where to apply are available via the link:**

[Vacancy 2015 - Executive Director](#)

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## CWWA 2015 CONFERENCE UPDATE



August 24-28, 2015

### 2015 CWWA Conference & Exhibition at InterContinental Hotel Miami, Florida

#### Call for Abstract and Poster Presentation

Deadline date for submission extended to:

April 13, 2015

Email Abstracts to: [cwwatechp15@gmail.com](mailto:cwwatechp15@gmail.com)

#### Registration is on

- **EARLY REGISTRATION:** On or before July 23, 2015  
**Members: US\$350.00** (per person)  
**Non-Members: US \$525.00**(per person)
- **EXHIBITION BOOTHS:**

Member Rate:	Non-Member Rate:
6' Tabletop - \$1,500	6' Tabletop - \$2,000
8' x 10' - \$2,800	8' x 10' - \$3,300
8' x 20' - \$5,250	8' x 20' - \$6,250
- **BOOTH RATES INCLUDE CONFERENCE REGISTRATION FOR TWO (2) PERSONS**  
**TABLETOPS INCLUDES REGISTRATION FOR ONE (1) PERSON**
- **FULL REGISTRATION INCLUDES THE FOLLOWING:**  
 MONDAY: Opening Ceremony and Reception  
 TUESDAY/WEDNESDAY/THURSDAY: Lunches  
 TUESDAY: Cultural Event  
 WEDNESDAY: Meet –N– Mingle  
 THURSDAY: Awards Gala Closing Ceremony  
 FRIDAY: Technical Tours - Water, Wastewater, Solid Waste
- **OTHER REGISTRATION CATEGORIES AVAILABLE:**  
 One Day Attendance; Students and Young Professionals
- **OTHER OPPORTUNITIES AVAILABLE:**  
 SPONSORSHIP / ADVERTISING / TRADE PRESENTATION

Further details on participating in the conference are available on the conference page via the link:

[www.cwwa.net](http://www.cwwa.net)

## PARTICIPATION IN THE SECTOR

President Jason Johnson will represent CWWA at the 7<sup>th</sup> World Water Forum in Korea

With its core value of "implementation," the 7th World Water Forum will take place in Daegu & Gyeongbuk of Korea from April 12 to 17, 2015. The World Water Forum is the largest water-related event organized by the World Water Council every three years.

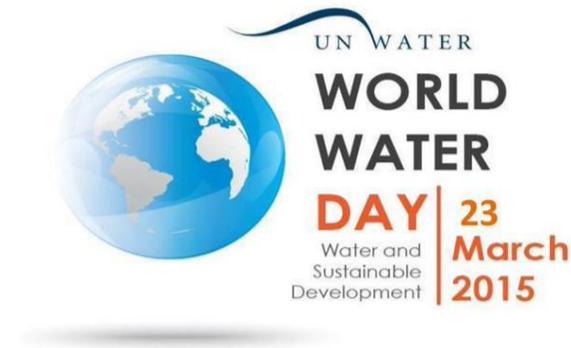
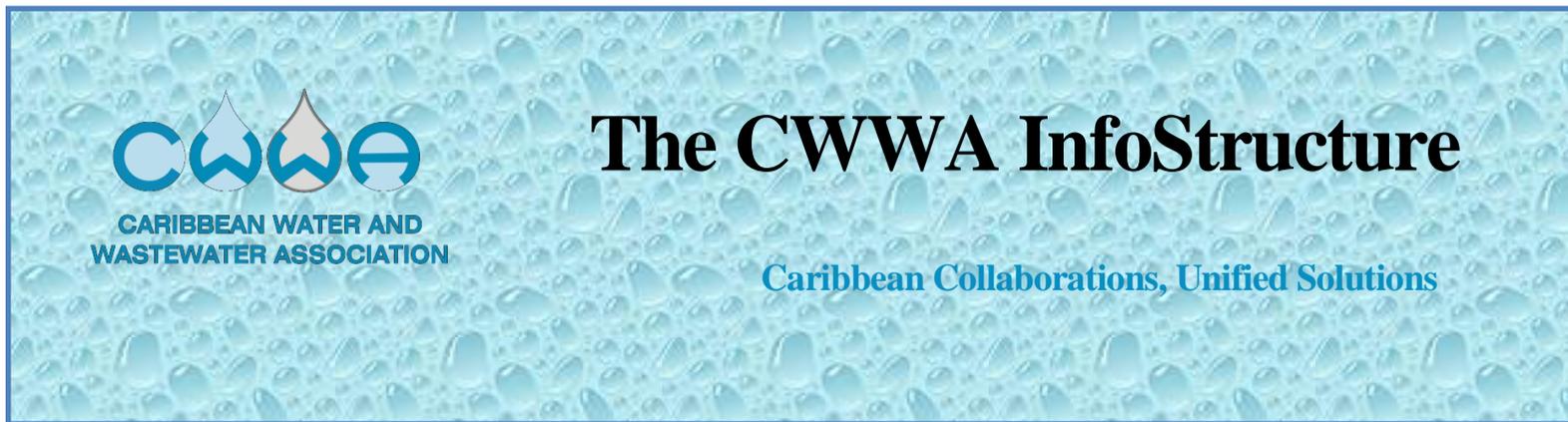
The 7th edition of the world's largest water event will gather over 35,000 participants from the international water community: academics, research institutions, enterprises, professional networks, governments and policy-makers, IGOs and NGOs.

Website: <http://eng.worldwaterforum7.org/main/>

### Vice President Ivan Rodrigues to represent CWWA at the First Meeting of the Consortium of Regional Sectoral EWISACTs Coordination Partners

Climate variability and change occur on timescales ranging from sub-seasonal to seasonal and decadal and beyond, making it necessary to develop effective Early Warning Information Systems Across Climate Timescales (EWISACTs).

For this reason a meeting is being hosted by the Caribbean Institute for Meteorology and Hydrology (CIMH) and is scheduled to take place on May 6-7, 2015 in Barbados. The purpose of this meeting is to create an opportunity for key regional, national and sectoral stakeholders to provide technical guidance on the development and implementation of regional sectoral Early Warning Information Systems Across Climate Time scales (EWISACTs).



## Partnerships crucial for water sustainability – CARICOM ASG

(CARICOM Secretariat, Turkeyen, Greater Georgetown) As the world celebrated International Water Day on March 22, 2015, Assistant Secretary-General, Directorate of Human and Social Development, Caribbean Community (CARICOM) Secretariat, Ambassador Douglas Slater, has underscored the importance of partnerships in achieving sustainable water management.

In a message to mark the occasion, Dr. Slater noted that partnerships remained one of the means of implementation needed to achieve water sustainability.

“Partnerships are crucial as water cuts across levels of authority, disciplines and interest groups. Therefore, as national development decisions are being made, a multi-disciplinary approach must be taken to ensure a sustainable and secured future for water.”

“The very survival of humanity hinges upon identifying priorities to improve the management of the world’s water resources. The Caribbean Community is committed to working in the spirit of cooperation and partnership to search for the urgent solutions needed to secure water for future generations,” Dr. Slater stated.

He expressed concerns about the impact of climate variability on water resources in the Region which was evident when CARICOM Member States experienced prolonged droughts in 2014, severely affecting agricultural production, and water availability for domestic and industrial uses including hydro power generation.

“Climate change will continue to have serious implications for water resources in the Region. Of great concern is an extreme weather event, causing floods, droughts, and impacting severely on agriculture, food security and the prosperity of the Region.”

This creeping drought phenomenon, he added, has strengthened the Community’s commitment to continue efforts to highlight the importance of water management at the national and regional levels.

Ambassador Slater issued a call for individuals to be responsible in observing strict water conservation practices by eliminating wastage and reporting leaks to relevant authorities. At the Regional level, he noted that the recently concluded 53rd Special Meeting of the Council for Trade and Economic Development (COTED) on Environment and Sustainable Development has also issued a call for CARICOM Member States to treat water resource management as an area of critical importance.

To commemorate World Water Day, the CARICOM Secretariat mounted an exhibition that demonstrated the use of a reverse osmosis system for water filtration; an aquaponic demonstration modeling a sustainable agriculture method that integrates hydroponic (plant) and aquaculture (animal) for production of leafy salad crops, and herbs. The exhibition also featured the display of publications related to water and water sustainability as well as an artistic demonstration of water conservation and harvesting for domestic uses.

Source: <http://www.anguillanews.com/enews/index.php/permalink/5029.html>



## WASTE ISSUES

### Dominica Waste Haulers to Get Re-up in Waste Disposal Techniques



Waste haulers are being educated on proper waste disposal techniques in the city of Roseau.

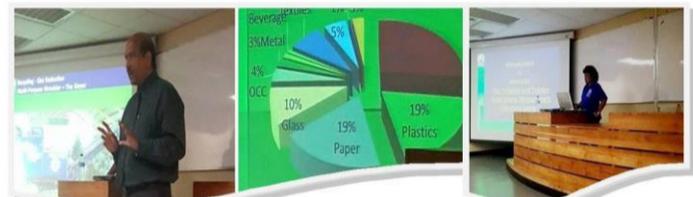
A Waste Haulers Workshop was organized by the Dominica Solid Waste Management Corporation for the over 30 haulers who officially operate in the industry. Jen Jacob is Public Relations Officer of the Corporation.

“The Dominica Solid Waste Management Act 1 of 2002 speaks to that. [It mandates that haulers] should be licensed- and most of them are. They have been licensed by the Minister of Health and they are allowed to transport waste for businesses around Roseau and Dominica to the landfill. That workshop will really inform them of the guidelines that they should follow in case of, for example, a spillage of waste in the environment. Their responsibility as important stakeholders is ensuring that the risks posed to the public are [minimized.]”

The workshop was held on Monday, March 23, at the Dominica Red Cross Building from 9:00 am.

<http://news.gov.dm/index.php/news/2341-waste-haulers-to-get-re-up-in-waste-disposal-techniques>

### CWWA National Section – Trinidad & Tobago engages the Solid Waste Management Company (SWMCOL) at its Lecture Series



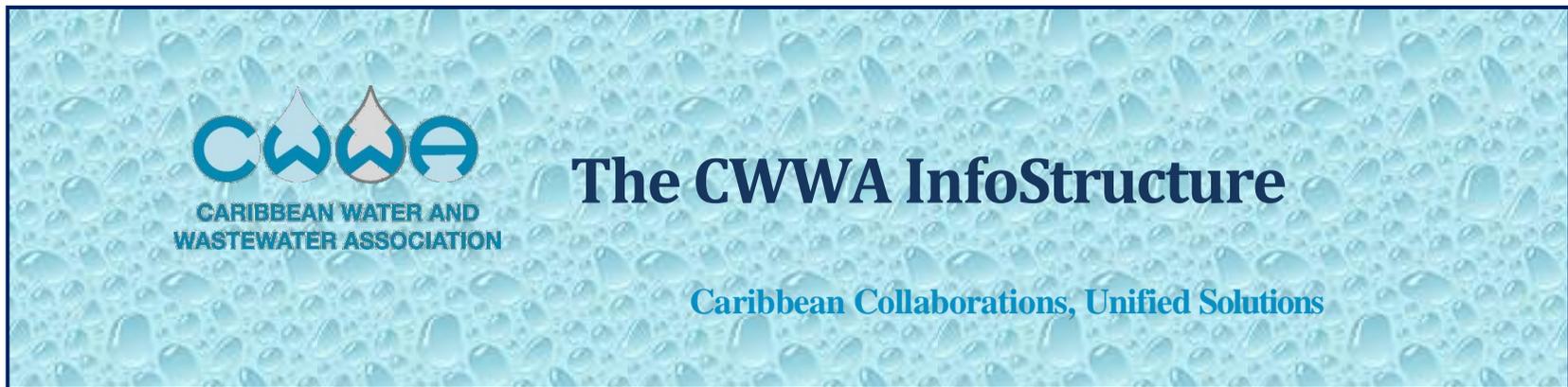
Left: SWMCOL's CEO Mr. Lalla and Maria Allong QHSE Manager

On Wednesday 18 March, CWWA Trinidad and Tobago National Section hosted its first professional perspective Lecture series for 2015. The theme was Solid Waste Management in Trinidad and Tobago. SWMCOL delivered a great presentation by its QHSE Manager, Maria Allong and CEO, Mr. Lalla. We couldn't have asked for a better start for the waste dialogue!



A cross-section of the Audience listens to the presentation

The audience was very interactive and batted a series of questions on the topic to the Presenters, who did not fail to deliver the answers. Congratulations to the organizers on hosting yet another successful and exciting lecture series. Stay tuned for the announcement of the next exciting lecture!



### Recycling collection point opened in Tamarind Hill, St Maarten



TAMARIND HILL--A community recycling collection point was opened in Tamarind Hill on Saturday, as an initiative started by Learning Unlimited (LU) Preparatory School eleventh grader Bodine Beentjes.

The student took the initiative to organise the setup of the collection point for Tamarind Hill Estates in the Red Pond area. Beentjes collaborated with Steve Hammond of St. Maarten Recycle and Roy Tempels of Clean St. Maarten. Parties worked out a plan on how the collection area would be built, which garbage materials would be collected separate from the regular household garbage and how and when to pick up these items.

With the support of the Tamarind Hill Homeowners Foundation and the owners of Tamaridge Apartments (who made the land available), a garbage separation area was built.

Clean St. Maarten will pick up aluminium cans, plastic bottles, glass bottles and cartons from the area once a week. Beentjes has informed residents of the area about the initiative and received instructions on how to separate and dispose of the re-usable items in the collection area. "It is a small beginning with huge potential to limit the environmental impact of waste [in – Ed.] St Maarten. Every day many containers arrive [in–Ed.] St Maarten, with all kinds of articles and goods. At the end of the day almost everything ends up at the landfill. Now, there are businesses starting to show interest to collect certain garbage items and ship them off the island for recycling. If every community on the island can start with separating re-usable garbage we can lower the amount of garbage on the landfill, and maybe even, one day, we can have our own recycle facility on the island, which will create business opportunities and jobs," Beentjes says.

The tourism industry, she added, has a growing interest in the environmental awareness of travel destinations. "This is also a very important reason to start separating and recycling our garbage. This way we, St. Maarten, do show that we care and take the environmental awareness seriously."

Tourism Minister Claret Connor, who was present at Saturday's launch, said he was impressed with the project and very pleased with the fact that there are young people on the island like Beentjes willing to give time and such effort. He said he hopes that Beentjes will continue her work by assisting other communities, schools, hotels and businesses in their recycling efforts and that this idea will be spread all over the island, which will be favourable to residents. He thanked Beentjes for her efforts and wished her good luck for the future.

[http://www.thedailyherald.com/index.php?option=com\\_content&view=article&id=54529:recycling-collection-point-opened-in-tamarind-hill-&catid=1:islands-news&Itemid=54](http://www.thedailyherald.com/index.php?option=com_content&view=article&id=54529:recycling-collection-point-opened-in-tamarind-hill-&catid=1:islands-news&Itemid=54)



**WATER AND SEWERAGE CORPORATION**  
*Committed to Growth, Committed to Quality*

## DPM: Alternative energy for reverse osmosis

**Deputy Prime Minister and Minister of Works Philip Brave Davis acknowledged at The College of The Bahamas' World Water Day 2015 celebration that sea level rise threatens to destroy major groundwater resources in The Bahamas, and lauded the Samoa Pathway - adopted in 2014 as a means to manage water resources and related ecosystems.**

Davis said that national agencies responsible for water and sanitation services "continually plan for appropriate adaptation to the ever-changing environmental conditions. The best technology will need to be used to provide pure water and to treat all waste effluents.

"Adapting to the use of new and improved technologies is critical. However, these are high-energy technologies, and in the long term, alternate energy solutions will need to be applied. Water and energy are inseparable friends," Davis said.

"It is with this in view that The Bahamas is initiating the use of alternative energy as an energy source for reverse osmosis (RO), creatively engaging more and diverse applications of renewable energy sources to suit the composition of our many islands nation," he said.

Davis reported that the Water and Sewerage Corporation of The Bahamas (WSC) is in talks with its major family island desalinated water supplier, Aqua Design/GE, and third parties to introduce renewable energy at its production facilities in the form of wind energy, thereby lowering the cost of water production in the Family Islands.

Davis also reported that Miya, the company that has been contracted to address the challenge of leakage and nonrevenue water, has been able, in 18 months, to reduce nonrevenue water by two million gallons per day on an annual basis.

"Over the life of the contractual agreement with Miya, it is expected that more than 10 billion gallons of water will be saved. By avoiding production of this water, we will save seven million gallons of diesel and 33 gigawatt hours of electricity," Davis said.

"This, I am advised, is equivalent to powering over 600 households and over 800 vehicles for 10 years."

Full article available here: <http://www.wsc.com.bs/Press.aspx>



## NEWS IN THE SECTOR

### PM Gumbs signs sewage connections agreement

27 MARCH 2015 00:11

PHILIPSBURG--Interim Minister of Housing, Spatial Planning, Environment and Infrastructure VROMI, Prime Minister Marcel Gumbs signed an agreement with Eric van Putten of Designer's Choice on Thursday, for sewage connections to the homes and properties directly along the main road in Middle Region.

The agreement is valued at Naf. 450,000, and is financed by the government. After signing Prime Minister Gumbs immediately instructed VROMI section New Works to look at connecting the homes in the higher elevations next.

From 2009 through 2011, the upgrading of Middle Region was carried out with funding from the ninth European Development Fund (EDF) programme.

More here:

[http://www.thedailyherald.com/index.php?option=com\\_content&view=article&id=54467:pm-gumbs-signs-sewage-connections-agreement&catid=1:islands-news&Itemid=54](http://www.thedailyherald.com/index.php?option=com_content&view=article&id=54467:pm-gumbs-signs-sewage-connections-agreement&catid=1:islands-news&Itemid=54)

### BVI Is First To Launch Financing Framework For Climate Change Issues

27 March 2015

The Virgin Islands became the first Caribbean Territory and a leader amongst small island states globally in establishing the policy and financing framework needed to address the causes and impacts of climate change.

This milestone was achieved with the passage of the Climate Change Trust Fund Act 2015 in the House of Assembly Tuesday March 24.

Advisor to the Ministry of Natural Resources and Labour, George deBerdt Romilly said that international funds to address climate change issues of small islands are available, but a legal and fiduciary framework would have to be in place for any country or Territory to benefit.

He said, "Commitments of international climate change financing of US\$100 billion per year from 2020 have been pledged by industrialised countries under the United Nations Framework Convention on Climate Change."

<http://www.bvi.gov.vg/media-centre/bvi-first-launch-financing-framework-climate-change-issues>

### Antiguan Attorney, Andrea Jacobs making big strides with UNEP on climate change network

MARCH 16, 2015

Antiguan Attorney-at-Law, Andrea A. Jacobs was nominated by the United Nations Environment Programme (UNEP) as the coordinator for the first ever Caribbean Environment and Climate Change Lawyers Network (CECCLN). Firstly, and as part of its mandate in the progressive development of international environmental law, UNEP through its Division of Environmental Law and Conventions has developed guidebooks on various aspects of climate change law, including on adaptation, and in conjunction with UNDP, for Low Emissions Climate Resilient Development Strategies (LECRDS). Secondly, the objectives of the CECCLN are to facilitate the integration of the legal dimension in environmental issues, including climate change; to strengthen the integration of the legal dimension in the work of the form of Ministers for Latin America and the Caribbean and, the strengthening of environment law dimensions in environmental and sustainable development ...

Read more: <http://www.caribbeantimes.ag/?p=653negotiations>

### The bucket challenge in Jamaica

March 6th, 2015

Can you imagine yourself walking 500 meters or even a mile every day to get water to cover your basic needs? Can you imagine thinking that every drop you use has to be efficiently distributed between cooking, cleaning and personal use and just a minimal waste can represent another trip to the nearest community water pond or water truck?

Five hundred meters it's not such a long distance, considering that world record Jamaican sprinter, Usain Bolt runs 200 meters in 19.19 seconds. However ask Usain to run it while holding two or three buckets of water under the noon day sun in his hometown Sherwood Content, Trelawny, Jamaica. Now, who said something about a bucket challenge?

<http://gleanerblogs.com/caribdevtrendsplus/?p=159>