

# CaribDA News



## MESSAGE FROM THE PRESIDENT

By: Manuel Pereira, Aqualectra Production



Manuel Pereira  
CaribDA Chairman

Dear CaribDA Members and Friends,

We are reaching the end of the period of 2010-2012 where I have served you all with great pleasure as your President.

**As we are in the process of Elections for a new Board that will be announce during the Conference, this will be my last "President Letter" and by say so, I like to thank the present Board of Directors for their continued support and secondly all the members that makes the existing of the organization.**

Furthermore, we like to say thanks to TEAM for their tremendous Administrative/Coordination knowledge and support. Regarding the Conference we like to thank the organizing team and all the sponsors that believe in the mission and vision of CaribDA.

As mentioned before Elections are ongoing and we encourage you to do you part as a member and vote for your next board. During the voting process on the web, we need also you approval or disapproval for the new Bylaws. If you have not already done so, we would appreciate if you would take the time to cast your vote!

Next to the 3-S (Sea, Sand and Sun), CaribDA has a fantastic program with a lot of prominent speakers (authorities on the field) that will make this Conference more attractive. As we speak, we anticipate more than 250 participants from all around the world!

*We are looking forward to meet you all in Aruba and remember "down streams or up streams, we all are in the same boot"; See you in Aruba!*

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**Check out us Out on the Web !**  
[www.caribda.com](http://www.caribda.com)

## CaribDA 2012 Conference: June 19-22 2012

By: Paul Choules, Water Standard

"By now I'm sure you all know that the CaribDA is about to have their third bi-annual CaribDA conference in Aruba. The conference will be held in conjunction with W.E.B. Aruba N.V. who will be celebrating 80 years of Desalination. The conference will start with an evening reception on Tuesday, 19<sup>th</sup> June and will close with a site visit to W.E.B.'s new

Desalination facility on Friday, 22<sup>nd</sup> June, 2012. If you've not yet booked a booth please don't wait around as there are only a few of the 36 booths left. We expect to have record numbers of attendees and booths at this year's conference so please don't miss out.

**"I look forward to seeing you all in Aruba!"**

### Diamond Conference Sponsors:



Please see pg. 7 for all other Sponsors and Exhibitors



## - ARUBA PRESS RELEASE -

# VEOLIA WATER SOLUTIONS

Veolia Water Solutions & Technologies will begin running an ad in June on ATV Aruba, the NBC-affiliated television station in Aruba, to promote their partnership with W.E.B. Aruba N.V. in upgrading the desalination facilities that provide the island's drinking water.

In addition, Veolia has planned news casts around the CaribDA Conference during the station's "15 on 15" feature, which airs weeknights at 7:15. The first, on June 18, will include an interview with a W.E.B Aruba spokesperson. The second, scheduled to run on June 25, will feature the facility tour by conference attendees.



Touring the W.E.B. Aruba drinking water facility pictured above will be a highlight of the conference.

## EXTENSION OF SANTA BARBARA SWRO CURACAO

By: Manuel Pereira, Aqualetra Production



The SWRO Plant at Santa Barbara Curacao has been commissioned in January 2006 with a total capacity of 18,000 m<sup>3</sup>/day. The plant is a double pass configuration consisting of 3 modules of 6,000 m<sup>3</sup>/day. Due to increasing of the water demand on the island, an extension of the RO plant is a must. The extension will increase the total water production capacity from 18,000 to 25,000 m<sup>3</sup>/day.



Due to the revised Water Quality Policy where the boron level has been increased from 0.5 ppm to 1 ppm, the permeate production of the additional rack will bypass the existing 2<sup>nd</sup> pass maintaining the product within specification after blending to realize this goal, Degremont has been awarded to install a single first rack with a capacity of 7,100m<sup>3</sup>/day.

As the existing plant was already designed and even some parts of the plant like the intake, outfall and control system were already in place, the extension is based on a "copy - paste" principle of the existing first rack with the exception of the membranes.



For the extension of the plant NanoH<sub>2</sub>O membranes (type Qfx SW 400) will be used leading to less needed pressure vessels and obtaining the same plant output.

The civil part of the project is almost completed and the mechanical part of the project is in progress. The First Delivery is planned for October 2012.

Having the extension in operation, the total production of potable water by Aqualetra using RO technology will be 65% where the remaining production capacity of 35% will be produced by using evaporator units.



# BEQUIA SOLAR POWER/RO DESAL PROJECT IN ST. VINCENT & THE GRENADINES

By: Mario Bento, M.Eng., P.Eng., Caribbean Water Treatment Ltd.

## Bequia Airport Solar Installation Photos



This World Bank funded project was implemented by the Caribbean Community Climate Change Center in Belize under the Special Program for Adaptation to Climate Change (SPACC). The concept was to install a carbon-neutral desalination system to supply potable water to the small fishing and whaling community of Paget Farms in Bequia. A containerized 5 m<sup>3</sup>/hr (35,000 gpd) RO desalination plant was installed by Caribbean Water Treatment Ltd. (St. John's, Antigua) at the Fisheries Complex in Paget Farms, Bequia. The plant was manufactured by Xylem-Water Equipment Technologies (Dallas, Texas) and commissioned in July, 2011. A 75.9 kWp photovoltaic solar system was installed nearby at the J.F. Mitchell Airport in Bequia in November, 2011 by Grenada Solar Power Ltd. The solar power system was sized to offset the estimated annual power consumption of the desalination plant. The power from the solar system is being fed to the grid, not directly to the RO plant. This is probably the first attempt in the region to do a carbon neutral desalination project.



## LETTER FROM IDA

By: Leslie Merrill, Exhibits, Publications and Affiliate Relations Manager

Dear IDA Affiliates,

IDA is currently promoting its new Desalination Academy which will be launched in July at the Singapore International Water Week (SIWW '12). In order to achieve maximum results – and to properly utilize our affiliate partnership opportunities – we ask for your assistance to send the attached text as an email blast to your member database.

Please let me know how soon this can be achieved and would appreciate if you would copy Beth Bodo at [bbodo@idadesal.org](mailto:bbodo@idadesal.org) on the correspondence.

We certainly appreciate your assistance and if you have any questions on this matter, please do not hesitate to contact either Beth or Leslie.

## INTRODUCING THE NEW IDA DESALINATION ACADEMY AT SIWW 2012!

### *DESALINATION...*

### *Building Knowledge. Advancing Our World.*

Building on the foundation of its work for over a quarter of a century, the International Desalination Association (IDA) is pleased and honored to announce its exciting new enterprise, The IDA Academy. The academy will feature a multi-disciplinary course curriculum around the world in flexible formats with the first set of courses to be offered at this year's Singapore International Water Week.

The Academy will kick-off on Wednesday, July 4<sup>th</sup> extending through July 5<sup>th</sup>, and will be limited to 75 participants per course. Course topics will range from in-depth examination of membrane and thermal technologies, to costing strategies, plant operations and case studies. Please [click here](#) for more information on the Academy's Course Schedule, Master Teachers, Registration and the SingSpring desalination plant tour.

The IDA Academy is a global institute for specialized training in desalination and a higher school for special study in this field. Its mission is to provide the highest level of training, education and instruction to individuals, utilities, companies, institutions, universities and other organizations interested in desalination in all its aspects. IDA is actively engaged in pursuing accreditation for all academy courses.

Gain the additional tools and training to promote your desal knowledge today!

**Advertising Space Available**

**Newsletter Advertisement is  
Available**

### **CARIBDA**

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# CALENDAR OF EVENTS 2012

## June 19, 2012

### CaribDA 2012 Pre-Conference Workshop, Aruba Understanding and Preventing Corrosion in Caribbean SWRO Plants

In conjunction with our Aruba Conference, CaribDA has the pleasure to announce that Dr. Glenn Byrne of Rolled Alloys will present a one day workshop discussing the different types of corrosion affecting SWRO plant high pressure piping, how to recognize the source and type of corrosion and how to prevent corrosion. Dr. Byrne has extensive experience in all phases of metallurgy and now leads a team that works proactively with specifiers and fabricators to refine and optimize purchase specifications and fabrication procedures and processes, welder training and qualification to optimize the sea water corrosion resistance and performance of corrosion resistant alloys in SWRO applications.

In order to provide a workshop that is of the greatest benefit to the membership, we ask that you submit in advance questions / concerns / topics of interest / pictures, etc. so that Dr. Byrne can be prepared to help you solve your problems. Please send your information to [adminassist@caribda.com](mailto:adminassist@caribda.com) by May 1, 2012.

## June 19-22, 2012

### CaribDA 2012 Conference & Exposition, Aruba *in conjunction with the W.E.B. Aruba N.V.'s 80th Year Anniversary Celebration*

## 2012 Conference & Expo - Thank You Sponsors & Exhibitors!

Sponsorships & Exhibit Spaces are Still Available...Contact CaribDA Now to Register Your Company!

### Diamond Conference Sponsors:



### Gold Conference Sponsors:

- IDE Americas, Inc.
- Seven Seas Water Corporation

### Silver Conference Sponsors:

- Consolidated Water Co. Ltd.
- Nano H2O, Inc.

### Bronze Conference Sponsors:

- Biwater AEWT, Inc.
- Energy Recovery, Inc.
- Fluidra
- GE Water & Process Technologies

### Awards Banquet/ EXHIBITOR RECEPTION/ Refreshment break:

- Degremont, S.A.
- DOW Brazil, S.A.

### Luncheon:

- Avista Technologies, Inc.
- Fluidra

### Conference Exhibitors:

- American Water Chemicals
- Avista Technologies, Inc.
- Biwater AEWT, Inc.
- CASL Tech Inc.
- Consolidated Water Co. Ltd.
- Danfoss A/S RO-Solution
- Energy Recovery, Inc.
- Florida Aquastore & Utility Construction
- FEDCO
- Fluidra USA
- GE Water & Process Technologies
- International Desalination Association

### PENS:

- Professional Water Technologies

### MEDIA:

- Global Water Intelligence

### Giveaway Prizes:

- Schneider Electric
- American Water Chemicals

### Conference Exhibitors:

- NanoH<sub>2</sub>O, Inc.
- National Oilwell Varco
- Piedmont Pacific Corp.
- Rolled Alloys
- ROPV
- Seven Seas Water Corp.
- Taprogge America Corp.
- Veolia Water Solutions & Technologies
- Victaulic Company
- Water Tech
- W.E.B. Aruba N.V.
- Xylem, Inc.

# MEMBERSHIP UPDATE

Since our last newsletter we have welcomed 55 new members!

**Mughal Aamir**  
*PAKISTAN WAPDA*

**Guillermo Abreu**  
*UAT De Venezuela*

**Mauricio Amaya**  
*Doosan Hydro Technology*

**Rudolfo Anez**  
*UAT De Venezuela*

**Miles Beamguard**  
*Seven Seas Water Corporation*

**Dean Bedford**  
*TSG Water Resources*

**Mario Bento**  
*Caribbean Water Treatment Ltd.*

**Victor De Sousa**  
*Xylem, Inc.*

**Simoni Dobrowolski**  
*Xylem, Inc.*

**Fred Echegaray**  
*GE Water & Process Technologies*

**Maria Carmen Estrada**  
*GE Water & Process Technologies*

**Jennifer Fehr**  
*GE Power & Water*

**Jose Fernandez**  
*Taprogge America Corporation*

**Jackie Gallagher**  
*Parker Hannifin Corporation*

**Fernando Garcia**  
*Victaulic*

**Steve Gillen**  
*Taprogge America Corporation*

**Mike Graver**  
*Avista Technologies, Inc.*

**Neil Hawkins**  
*NanoH2O, Inc.*

**Rachel Hoher**  
*NanoH2O, Inc.*

**Ali Kalantar**  
*Doosan HydroTechnology*

**Rodney Komlenic**  
*Ahlstrom Filtration LLC*

**Russell Kyle**  
*Geoscience Support Services, Inc.*

**Robert Maliva**  
*Schlumberger Water Services*

**Rana Malki**  
*American Water Chemicals, Inc.*

**Filomeno "Boey" Marchena**  
*W.E.B. Aruba N.V.*

**Ralph J. Martina**  
*Aqualectra Production*

**Carlos Mastella**  
*UAT De Venezuela*

**Allenger Mclaughlin**  
*Consolidated Water Ltd*

**Shawn Meyer-Steele**  
*H2O Professionals*

**Sonia Muniz**  
*Aquatic Link LLC*

**Liliana Munoz**  
*American Water Chemicals*

**CHABANE Mustapha**  
*University of Tlemcen*

**Sangil Noh**  
*Doosan Heavy Industries and Construction*

**Eli Oklejas**  
*Fluid Equipment Development Company*

**Michael Otto**  
*Rapid filter*

**Jose Pattermina**  
*UAT De Venezuela*

**Steven Perry**  
*Bewater AEW, Inc.*

**Leonel Quintero**  
*Lipeca*

**Brian Ramatally**  
*CASL Group*

**Jim Renner**  
*Victaulic*

**Arnaldo Rincones**  
*Lipeca C.A.*

**Gulnabi Shah**  
*North West Sustainable Development Organization*

**Thomas Shuttly**  
*Pentair Water Codeline*

**Richard Smith**  
*Bewater AEW, Inc.*

**Giacomino Spera**  
*Xylem Water Solutions USA*

**Hossam Teama**  
*Abu Qir Fertilizers Company*

**Alberto Torres**  
*Victaulic*

**Ties Venema**  
*Fluytec*

**Sisy Villasmil**  
*Corpoelect*

**Karola Villamizar**  
*Corpoelect*

**Bradley Waller**  
*Hydrologic Associates USA Inc.*

**Daryl Wheeler**  
*National Oilwell Varco*

**John Whelchel**  
*Florida Aquastore & Utility Construction*

## We need your input for the CaribDA News

- *Member contributions are welcome. Please contact us contact us by email at [adminassist@caribda.com](mailto:adminassist@caribda.com)*
- *Take this opportunity to place your company or plant in the news*
- *Share your experiences with others*
- *If you are interested in joining the editorial staff, please contact us*

## CaribDA

### Job Board Posting

Complimentary For Members and Available at a Fee for Non-Members

### Advertising Space Available

## CARIBDA

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# BOARD OF DIRECTORS

### EXECUTIVE OFFICERS

<u>Member</u>	<u>Term</u>	<u>Company</u>	<u>Phone</u>	<u>Email</u>
Manuel Pereira - President	2010-2012	Aqualectra Production	5999-525-0011	mpereira@aqualectra.com
Linda Dudley - Vice President	2010-2012	Ionics Freshwater Limited	246-425-6910	linda.dudley@btopenworld.com
Gerard Pereira - Treasurer	2010-2012	Consolidated Water Co. Ltd.	345-945-4277	gpereira@cwco.com
Anders Hallsby - Secretary	2010-2012	NALCO Company	630-305-1871	gahallsby@nalco.com

### BOARD OF DIRECTORS

<u>Member</u>	<u>Term</u>	<u>Company</u>	<u>Phone</u>	<u>Email</u>
William Anderson	2010-2012	Energy Recovery Inc.	510-483-7370	wanderson@energyrecovery.com
Paul Choules	2010-2012	Water Standard	713-400-4764	pchoules@waterstandard.com
Emilio Gabbrielli	2010-2012	Toray Membrane USA, Inc.	+55 21 8221 9896	gabbrielli.emilio@toraywater.com
Shawn Meyer-Steele	2010-2012	Seven Seas Water Corporation	305-859-2329	smsteele@7seaswater.com
John Thompson	2010-2012	Desalination Company of Trinidad & Tobago Limited	868-636-3725	john.thompson@desalcott.com