

# LARC Stream

A quarterly Newsletter providing the latest news, updates, and information in and around LARC

Volume 2 | Issue No. 04 | December 2017

## LARC ends year by completing water network calibration

In line with LARC's mission to provide reliable 24/7 water supply and pressure, the Network Hydraulics Division completed the calibration of the water network model of the LARC water distribution system using EPANET software. The calibrated model will be the basis for optimal and proper distribution of water supply and pressure on all pipelines within the service areas. It will also be used to check if the future demand and service area expansion can still be accommodated by the existing water system. The system will also serve as a tool to plan for the timely construction of new sources, additional storage facilities, and pipeline upgrade/reinforcement.

The calibration of the model was completed last December 2017 after six months of data collection, modelling and calibration. Data collection was done through the installation of pressure data loggers in strategic and critical points around Los Baños, Bay, Calauan and Victoria. The actual pressure readings collected was then matched or calibrated with the pressure simulated using the backbone model generated from the EPANET. Matching pressures adequacy of the system being modeled, thus any changes done in the

model is closest to what is happening on the actual pipelines of the water system. With the calibrated model of LARC's water system, proper actions can now be recommended to optimize allocation of water from the sources to maintain water pressure in the distribution network at all times specially during peak demand. This will be done through maintaining constant set pressure at the pump stations, setting of valve openings and water loss detection either in form of leaks and unauthorized connections.

## Brgy. Perez at Brgy. Paliparan susuplayan ng LARC



Mula sa kaliwa: Perez Barangay Chairman Francisco G. Averion, Calauan Mayor Buenafrido T. Berris, LARC General Manager Emil Q. Puerto, Paliparan Barangay Chairman Ricardo S. Cueto at LARC President Mat Wilson B. Ramos habang nilagdaan ang MOA para sa sistema ng tubig sa Paliparan at Perez noong ika-2 ng Nobyembre 2017 sa Municipal Hall, Calauan, Laguna.



LARC employees install data logger for pressure and flow monitoring at Vega Pump Station, Batong Malake, Los Baños, Laguna.

on the simulated and collected pressure readings indicate the

Noong Nobyembre 2, 2017, kapwa nilagdaan ang isang kasunduan nina Calauan Mayor Buenafrido T. Berris at LARC (Laguna Water District Aquatech Resources Corporation) General Manager Emil Q. Puerto upang pormal na makapagserbisyo ng tubig ang LARC sa mga residente ng Barangay Perez at Barangay Paliparan.

Dumalo rin ang mga kinatawan ng LARC, Barangay Perez, at Barangay Paliparan sa pangunguna nina LARC President Mat Wilson B. Ramos, LARC Community Relations and External Affairs Manager Anna Lim-Puerto, Perez Barangay Chairman Francisco G. Averion, at Paliparan Barangay Chairman Ricardo S. Cueto.

Nakapaloob sa kasunduan ang mga hakbang upang makapaghatid ng malinis at ligtas na tubig sa mga mamayan. Kabilang dito ang karagdagang suplay at linya ng tubig sa mga nasabing lugar.

Ang nilagdaang kasunduan ay isang malaking hakbang na magpapatatag sa samahan ng LARC at Pamahalaang Bayan ng Calauan na nagnanais na mapaunlad ang lugar at magbigay ng ibayong benepisyo sa pamumuhay ng mga mamamayan.

Nagpapasalamat naman ang LARC sa tiwalang ibinigay sa kanila ng pamahalaan ng Calauan.

## Inside this issue

Straight from GM  
Page 2

LARC partners with UPLB for development and conservation activities in the MMFR  
Page 2

LARC speaks in the Los Baños Health Summit 2017  
Page 3

From the President's Desk  
Page 3

Libreng konsultasyon, gamot at pabunot ng ngipin sa Bayog at Mayondon, ipinagkaloob ng LARC  
Page 4

LARC promotes water education for its 2nd anniversary  
Page 4



# Straight from GM



## Focusing on local collaboration and partnerships

For this last issue of LARC STREAM for 2017, we want to share with you how it has been a very rewarding year for all of us. It is our duty to apprise every one of our achievements because without your support, the success and robust growth of LARC will not be realized.

During the past two years, LARC has been engaged in numerous efforts to improve its delivery of reliable, safe, and clean water through upgrades and retrofits of our water facilities. For proper distribution of water supply, LARC Network Hydraulics Division completed the calibration of the water distribution system network model. Details about this are cited on the 1st page.

Also included in this issue are news about our community relations activities such as Medical Mission at various barangays in Los Baños, donation of cleaning stations to UPLB, and participation in the Los Baños Health Summit 2017.

I want to take this opportunity to express my profound gratitude to those who celebrated with us on our 2nd founding anniversary celebration last December 7, 2017. We are very proud to be able to celebrate it with all of you. As part of the celebration, an exhibit and poster making contest were held to focus on education on water issues and how water affects our lives. More information about this is on page 4.

As we close another year, we will continue and go beyond these efforts towards a safer and more secured water for our concessionaires. I also look forward to continuing partnerships with the government institutions, civic action groups and cause-oriented groups to ensure that these partnerships will yield impactful and meaningful contributions to both our projects and programs. We sincerely hope that your relentless energy will help us push through our venture and achieve all our goals for our community.

This newsletter is our way of reporting to everyone the progress of our joint efforts. You may send us your suggestions by emailing us at [larc.main@larc.com.ph](mailto:larc.main@larc.com.ph) or messaging us at our Facebook page: Laguna Water District Aquatech Resources Corporation – LARC.

## LARC partners with UPLB for development and conservation activities in the MMFR



From left: LARC Community Relations and External Affairs Manager Anna Karenina Lim-Puerto, LARC President Mat Wilson B. Ramos, LARC General Manager Emil Q. Puerto, UPLB Chancellor Fernando C. Sanchez, Jr., MCME Director Roberto G. Visco, and UPLBFI Executive Director Casiano S. Abrigo, Jr. sign the MOA for various projects in the MMFR on December 12, 2017 at the Office of the Chancellor, UPLB.

As part of its corporate social responsibility program and in line with its commitment to the environmental sustainability, most especially in its service area, Laguna Water District Aquatech Resources Corporation (LARC) formalized its partnership with the University of the Philippines Los Baños (UPLB) through the Makiling Center for Mountain Ecosystems (MCME) for various projects in the Mt. Makiling Forest Reserve (MMFR) area last December 12, 2017 at the Office of the UPLB Chancellor.

The memorandum of agreement between UPLBFI and LARC is geared towards the implementation of Corporate Partnership for Environmental Restoration Program, which aims to ensure the sustainable resources protection and management of MMFR, declared as the 33rd ASEAN Heritage Park in September 2013 through a 3-year tree planting and nurturing program.



LARC General Manager Emil Q. Puerto and UPLB Chancellor Fernando C. Sanchez, Jr. present the signed MOU for the conservation and development of the MMFR-AHP on December 12, 2017 at the Office of the Chancellor, UPLB.

On the other hand, the deed of donation and acceptance signed by UPLB Chancellor Fernando C. Sanchez, Jr. and LARC General Manager Emil Q. Puerto aims not only to help provide cleaning stations for the use of Makiling Botanic Gardens (MBG) and the Makiling Rainforest Park (MRP) visitors, but to show support to the conservation and development of the Mt. Makiling Forest Reserve-ASEAN Heritage Parks (MMFR-AHP). These areas serve as an outdoor laboratory for the UPLB students for scientific studies and hosts several native and exotic plants for the visitors to experience.

Also present during the signing were LARC President Mat Wilson B. Ramos, LARC Community Relations and External Affairs Manager Anna Lim-Puerto, MCME Director Roberto G. Visco, UPLBFI Executive Director Casiano S. Abrigo, Jr. and several key officials from the said agencies.



## LARC speaks in the Los Baños Health Summit 2017

Rayzchelle Anne M. Diaz, Microbiologist of LARC, participated as a speaker in the Health Summit 2017 with the theme, "Bridging the Gaps on Los Baños Healthcare" that was held at the Elvira O. Tan Hall, PCAARRD, Brgy. Timugan, Los Baños, Laguna on November 16, 2017.

The purpose of this summit was to discuss health problems in the municipality, as well as to share the challenges and opportunities related to Health and Wellness. It was organized by the Municipality of Los Baños - Municipal Health Office, headed by Hon. Caesar P. Perez and Alvin A. Isidro, MD, FPPS. Among the attendees were representatives from Department of Health, health workers and public officials from different barangays in the municipality.



LARC Microbiologist Rayzchelle Anne M. Diaz discusses the Water Safety Plan (WSP) of LARC during the LB Municipal Health Summit 2017 on November 16, 2017 at the Elvira Tan Hall, PCAARRD, Brgy. Timugan, Los Baños, Laguna.

Other sessions focused on health issues such as tuberculosis, rabies, and family planning. Additionally, there were activities on recognizing the efforts and achievements of the health workers in the municipality.

In her remarks, Ms. Diaz discussed the Water Safety Plan (WSP) of LARC, an approach in managing drinking water quality from catchment to consumer ensuring that water supply is safe for human consumption. The WSP is a quality assurance tool that aims to prevent possible water-borne diseases through regular and effective monitoring schemes.

Before the end of the session, she concluded showing a video on "The Story of Bottled Water," which employs a story on how consumers buy billion water bottles when it already flows free from the tap.

We, at **LARC Stream** appreciate your comments and feedbacks.

Please let us know what you think about this issue, e-mail us at [larc.main@larc.com.ph](mailto:larc.main@larc.com.ph).



## From the President's Desk



## 2017 in review

As we close 2017 and start our 3rd year of operation, it is appropriate for me to highlight our accomplishments and reflect upon our success and growth. LARC invested heavily in our, infrastructure upgrades, customer service improvements and corporate social responsibility initiatives.

We continued to implement corporate social responsibility initiatives such as Alalay sa Barangay and Dalayday Programs. Alalay sa Barangay aims to assist indigent families through community outreach activities. For this year, we conducted Brigada Eskwela and Balik Eskwela at the municipalities of Los Baños, Bay, Calauan, and Victoria. Medical Mission, Dental Mission, Nutritional Counseling activities were also organized in several barangays in Los Baños and Nagcarlan. Moreover, Dalayday is a campaign towards responsible water resource management among the private sectors, local government units, civic organizations, and community residents. Activities conducted under this project include a multi-sectoral clean-up of Laguna Lake tributaries in Los Baños, barangay clean-up in Maravilla, Nagcarlan, tree planting in Bay, an online photo-slogan contest on Laguna Lake rehabilitation, and poem-writing contest on water pollution.

We also designated Zone Specialists to conduct field visits, regularly coordinate with local government units and respond to and resolve on-site issues. On the other hand, concessionaires can easily inform LARC of service concerns such as water service applications, low water pressure, water quality concerns, and leaks among others through LARC's Zone Specialists.

As many of you are aware, LARC partnered with various banks and payment centers to provide additional modes of payment to speed up transactions and avoid long queues for increased customer convenience. We also upgraded the over-the-counter payment system thru automated queuing system, which provides faster and better handling of customer requests and concerns.

As part of its commitment to meeting the service obligations, LARC continued to improve the efficiency and the reliability of the water supply system through related projects. Water improvement projects include upgrade of submersible water pump and installation of HaloVac & Chlorine Dioxide Generating Systems in various water sources across our coverage area. Other projects for water sources and operations support include installation of new water transmission and distribution lines to accommodate additional service connections and the growing water demand. To date, LARC is currently undergoing water infrastructure upgrades to enhance water supply, pressure, and quality.

These upgrades and improvements clearly show that we are living up to our mission to provide premiere and reliable water service which meets customer expectations.

LARC is humbled and proud of these accomplishments and success. I would like to take a moment and thank our employees, partners, and concessionaires who have made 2017 another tremendous year for us. LARC is truly privileged to be able to provide the highest level of service to its concessionaires. I am looking forward to 2018 as we continue to strive to be stewards of change in the water industry.



## Libreng konsultasyon, gamot at pabunot ng ngipin sa Bayog at Mayondon, ipinagkaloob ng LARC



Dr. Catalina Agnes Eala (nasa kaliwa) at Dr. Kathy Ivy Tan (nasa kanan) habang ipinapaliwanag sa mga bata ang kahalagahan ng pagsisipilyo at tamang paraan ng pagsisipilyo sa Barangay Mayondon, Los Baños, Laguna noong ika-21 ng Oktubre 2017.



Barangay Health Worker (BHW) habang kinukuhanan ng presyon ng dugo ang isang residente na lumahok sa Wellness Day noong ika-22 ng Oktubre 2017 sa Barangay Bayog, Los Baños, Laguna.

Sa pakikipagtulungan ng Laguna Water District Aquatech Resources Corporation (LARC) at ng Philippine Dental Association - Los Baños, Bay, Calauan Chapter, kasama ang Sangguniang Barangay ng Bayog sa pamumuno ni Kgg. Joben R. Manarpaac at Barangay Mayondon sa pamumuno ni Kgg. Victorio A. Reyes, muling naisakatuparan ang matagumpay na Medical Mission sa nabanggit na mga lugar.

Nagtungo ang LARC sa Mayondon noong Oktubre 21, 2017 at sa Bayog noong Oktubre 22, 2017 upang isagawa ang Medical Mission para sa mga residente ng mga nasabing barangay. Ang mga pagsusuri sa mga residente ay pinamunuan nina Dr. Melissa Malihan, Dr. Rhobee Joy Cetron at Dr. Florenz dela Cruz.

Ipinamahagi ang mga libreng gamot at konsultasyon sa mahigit 165 residente ng Barangay Mayondon at 130 residente ng Barangay Bayog. Bukod dito, ang mga residente ay napagkalooban din ng libreng bunot ng ngipin para sa mga residenteng may edad 18 pataas. Gayundin, tinuruan ng tamang pagsisipilyo ang mga bata na dumalo. Ito ay naisagawa sa tulong nila Dr. Lalaine Luis, Dr. Kathy Ivy Tan at Dr. Catalina Agnes Eala. Nagsagawa rin ng konsultasyon para sa tamang nutrisyon si Bb. Aywin Rosette Sunga, isang Nutritionist at kinatawan ng Laguna State Polytechnic University (LSPU), Los Baños.

Ang mga isinagawang Medical at Dental Missions ay parte ng programang Alalay sa Barangay ng LARC. Nilayon nitong makatulong na mapangalagaan ang kalusugan ng mga residente ng mga barangay na may kakulangang pampinansyal para makapagpatingin sa mga espesiyalista tulad ng duktor at dentista.

## LARC promotes water education for its 2nd anniversary

As part of its second founding anniversary celebration, Laguna Water District Aquatech Resources Corporation (LARC), in cooperation with Laguna Water District (LWD), conducted an annual poster making contest held on December 7, 2017 with the theme, "Water education: Increasing knowledge on water issues and how it can affect one's life".

For this year, LARC received 33 entries from different private and public schools in Los Baños, Bay, Calauan, Victoria, and parts of Nagcarlan. The top 12 entries were uploaded on LARC's Facebook (FB) page and the contestants had the opportunity to promote their work and garner FB likes.

The 3 winners were hand-picked by the esteemed board of judges namely Ms. Jowee Aguinaldo of UP Painter's Club, Leo Gerardo C. Leonardo from Philippine High School for the Arts, and Mr. Julysees P. Austria, Geographic Information Specialist of LARC.



From left: LARC President Mat Wilson B. Ramos, Calauan Municipal Administrator Levin Cathlyn Berris-Gutierrez, Los Baños Councilor Josephine Sumangil-Evangelista and LARC General Manager Emil Q. Puerto together with the judges pose with the winners of the 2nd Poster Making Contest on December 7, 2018 at the 77 Events Place, Los Baños.

Los Baños Councilor Josephine Sumangil-Evangelista, Calauan Municipal Administrator Levin Cathlyn Berris-Gutierrez, LWD General Manager, Pantaleon Li. Tabanao, LWD Directors, LARC General Manager Emil Q. Puerto, and LARC President Mat Wilson B. Ramos were all present to award the winners of the contest. Contest winners were: CHAMPION – Jarel T. Micoso of Maahas Elementary School; 1ST Runner-up - Airah Tregueros Lustado of Paciano Rizal Elementary School; 2nd Runner-up - Daniela Shane A. Ilao of Bay Central Elementary School.

An exhibit was also launched at LARC's main office that showcased the achievements of LARC for the past year. These achievements include the company's corporate social responsibility initiatives, improvements in its customer and frontline services, and other projects to improve the efficiency and the reliability of the water supply system.

## TOP 12 ENTRIES



Top 12 entries for 2nd Poster Making Contest.