

# Rivers of the World Conference Call (Jan 19, 2015) Summary

The [conference call in numbers and the code](#) is provided below:

February 1, 2015

Call: 1-712-432-3066; (Code : 493835 ), Host Code 7715

## Call Participants highlighted

Happy New Year to All of you. Refer our [Action Items from the 2014 Annual meeting](#)

Summary discussion of the Agenda items provided below:

1. Our participation in 2014 International River Summit in Philippines – Subijoy
2. Water Quality monitoring – Dick and Dilli

**Discussion** - Dilli contacted the company (Sally), their UNICEF Kit was for Arsenic. That may not work for the screening level water quality kit that we are wanting to provide to communities and school children in developing countries. Dick and Subijoy met with Dr. Sally Horner at the AA County Community college and discussed about other options. Bill Danshin said he will also look into availability of testing kits and the cost. The following DO kit is available from Lamotte. Subijoy sent a query(2/1/15) to them for international shipping (These chemicals can't be packed in checked bags). Will let Dick know.

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### Dissolved Oxygen Test Kit

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Order Code: 5860-01

Price: \$55.4 USD  
*Orders shipped outside the U.S. are subject to additional fees*

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The LaMotte Dissolved Oxygen Test Kit tests for dissolved oxygen levels using the Direct Reading Titrator method. Range/sensitivity is 0-10 ppm/0.2 ppm O<sub>2</sub>.

Specifications

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MSDS

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Dissolved Oxygen Test Kit Specifications				
Code	Test System	Range/Sensitivity	# Tests (# Rgts)	Shipping Code (Wgt/lbs)
5860-01	Direct Reading Titrator	0-10 ppm/0.2 ppm O <sub>2</sub>	50 at 10 ppm (5)	R1 (2)

Bill Danshin provide some thoughts on pursuing Water Quality Monitoring in 3 different Levels –

- Level 1 – Screening level (Good/clear, Fair (unclear), and Dirty (Brow/Black -ish)
- Level 2 – Tested with actual/wet monitoring kits or digital/calibrated and reliable meters

- Level 3 – To conduct restoration or conduct proper design of the restoration system get the water tested at a Standard Laboratory meeting all DQOs (data quality objectives).

Some basic test kits are available from LaMotte.. See

<http://www.worldwatermonitoringday.org/TestKits.aspx>

3. Update on trip to SW VA, tributaries of Clinch River – Dilli and Subijoy

Discussion - No dates finalized yet, but Dilli and Subijoy will coordinate with Bill Roper and visit on a Friday during late Spring, when the frozen surrounding thaws out.

4. Update on Project identification – Tanja (could not call)

5. Update on Grant/Funding contacts and other support - Dennis (conveyed notes )

Post Conference Note: “..My wife Dottie came through bilateral (both knees) knee replacement on Jan 21, released from hospital on Jan 24 and has been rehab center until now; probably going home for home rehab next Sat. ... I retired on 12/31 so that I could help her through this.”

Dennis is and will be providing support on the Lake and River restoration projects..

Our best wishes to Dottie for Dottie’s full recovery ..

6. Lake and River Restorations – Update on proposal - Kusuma and Sharad(conveyed)

Discussion – Kusuma updated that the proposal was well appreciated by many, but the political focus is still not on that yet. She will be there in the first week of February and pursue that further.

7. Update on Lake Wister, Oklahoma and other activities – Daryl (Jan joined)

Jan reported that Daryl was tied up with a project work in the field, but he will respond back with the needed support.

8. GEMS program – Edmund (provided note)

“..I couldn't make it to the conference call. I was out of town and didn't check my email in time for it.”

Edmund will provide an update on the GEMS program he mentioned.

9. Sudheer Shukla

Sudheer was formally introduced to the callers, since Bill Danshin and a few others did not meet him earlier. Sudhir joined us in 2014 and is looking into the climate change issues since he is the DC Area Maryland Coordinator for **Climate Change is Elementary** a non-profit group

Sudheer sent a follow up note: “I was at this week's Energy and Climate Change Conference organized by NCSE (National Center for Science and Education), and heard that the Waterkeeper Alliance is doing great work in cleaning up the Ganga River in India (among other projects). In case we're not connected with them, it might be good to get in touch with them and see how we could work together. Here is their website: <http://waterkeeper.org/> “

We have been in touch with Waterkeeper organization for at least past 7 years or so.. Fred Tutman, the Patuxent Riverkeeper, comes to our Annual meetings and other events. So, we do coordinate with them. Thanks for the information, though.

10. **Bill Danshin** – Bill joined the call from Vancouver, Canada. Bill is the president of PWC, Pure Water Corporation. Bill is interested in Sustainable Development, Environmental Projects, Water Purification, Wastewater Treatment, Solid Waste Reuse/Recycle Technologies, Alternative Energy, Global Network of Business Associates, Technology Providers, Profitable Opportunities. He is well connected with the water treatment field and is participating with us in Bangalore lakes and river restoration proposal, and other projects in Rishikesh, India.

Bill provide a number of inputs on various topics during the discussion.

Bill's contact information : email: [william@watercorp.com](mailto:william@watercorp.com) ;

Website: [www.watercorp.com](http://www.watercorp.com)

#### 11. New water treatment technologies update

- **Bill Roper**

Bill provided a basic update on the MicroDesal system 25/40 gals/day present bench scale stage. The Rigby system is getting licensing agreement in place for installing field scale units which would have a capacity of ~150,000 gallons/day

A couple questions were sent from RYAN RAMORES, email: [rjramores@me.com](mailto:rjramores@me.com), Camarines Norte Water District 054 4403502, Philippines in December:

"..I'm one of the participants on the last river summit held at Marikina, Philippines. I am just curious about the microdesal technology that you discussed during the event, because we are in need of pre treatment for our UF membrane system, because we are forced to stop the operation if our raw source is very turbid. How many percentage reduction does the microdesal can treat the high turbidity and high tss? Below is our RAW QUALITY DATA:

Highest turbidity: 1,000ntu

Highest TSS: 2,300

Lowest turbidity: 0.38ntu

Production requirement: 12,000cum/day or ~3.2 MGD (12,000,000 litres/3.78 lit/gallon)

What percentage reduction can be achieved by microdesal for high turbidity and high tss?

Bill discussed these questions sent by an Engineer from Philippines (Marikina City).

Bill Roper mentioned that the need for pretreatment for their UF membrane system could be more economically solved by some type of sand filtration or other systems. The new Microdesal system that Bill is working on might be uneconomical to use for that high volume flow.

Bill Danshin provided some valuable suggestions about using pre-filters and some type of media filters

The query has been forwarded to Bill to respond to Ryan Ramores in Philippines.

## 12. Children education program

- Subijoy and Raj (could not call)

Children 's education program is being discussed with Sudhir Nautiyal in Rishikesh and Sucharit (Diplu Dutta) at Kolkata. Raj mentioned "..... I will write a note to Madhav Chavan, the founder of Pratham who started his career in water chemistry and water quality after getting his Ph.D. from OSU in Chemistry in 1986. .."

Dr. KK Das is visiting Binghamton, NY. He sent a note - missed the call timing, but will provide support.

Matt Perry is out to Costa Rica. He will provide the update during the next call.

**Wrap up – Future Conference Calls** - April and July (Dates below)

### ➤ **Fridays**

- **April 24, 2015, And**
- **July 17, 2015**

**October Annual meeting**-(Date TBA) Will have conference calling into the meeting partially during the meeting for international participants..