

**OHIO RIVER VALLEY WATER SANITATION COMMISSION**

**MINUTES**

**220<sup>th</sup> Commission Meeting  
The Metropolitan Club  
Covington, Kentucky  
Friday, February 9, 2018**

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**Attachment I: Chairman’s Report**

**Attachment II: Treasurer’s Report Summary as of December 31, 2017**

# OHIO RIVER VALLEY WATER SANITATION COMMISSION

**MINUTES**  
**220<sup>th</sup> Commission Meeting**  
**The Metropolitan Club**  
**Covington, Kentucky**  
**Friday, February 9, 2018**

**DRAFT**  
**February 13, 2018**

**Chairman Stuart Bruny, Presiding**

**Call to Order**

Chairman Bruny called the 220<sup>th</sup> meeting of the Ohio River Valley Water Sanitation Commission to order at 9:00 A.M., Friday, February 9, 2018.

Chairman Bruny invited Aaron Herzig to lead the Pledge of Allegiance.

**Quorum Call**

Commissioner Kupke certified that a quorum was present (see Roster of Attendance, page 8).

**Report of the Chairman**

Commission Chairman Bruny began his report (Attachment I) by recognizing staff for their continuing efforts to complete program activities with the recent challenge of reduced staffing. There have also been several spill events requiring around the clock staff response efforts. Staff has also been preparing for extensive field work for the upcoming National Rivers and Streams Assessments (NRSA) which will provide some residual funding for other program activities. Staff also continues to do good work in public outreach, completing another successful Ohio River Sweep, and numerous mobile aquarium displays.

Commissioner Bruny reported that this year marks the 70<sup>th</sup> anniversary of the signing of the Compact. The Compact has proven to be a remarkable instrument of cooperation. Its success is only outdone by the water quality improvements achieved in the Ohio River Valley since 1948. Although work needs to continue on improvements, Mr. Bruny believes that the River is in better condition today than since the beginning of the industrial revolution. Although no 70<sup>th</sup> celebration is planned, we can certainly reflect on the significant water quality achievements. Ongoing programs must be relevant, focused, efficient, and result in further water quality improvements to the Ohio River.

Commissioner Bruny then focused attention on the vast network of partners and stakeholders, as well as the number of committee and workgroup members who assist the Commission in carrying out its mission. Mr. Bruny then elaborated on the number, types, and diversity of partners and stakeholders and their collective importance. As we hear divergent opinions from our partners and stakeholders, we can't forget what the Commission is defined by, which includes the commitment to: 1) implement the Compact; 2) follow sound science in decision making; 3) serve the member states; 4) be professional, ethical, and transparent in conducting Commission business; 5) preserve and enhance Ohio River water quality; 6) protect aquatic life; and 7) use common sense.

The Commission can't be defined by rash decisions, arbitrarily following public opinion, the threats and rhetoric of a few extremists, and political party agendas.

Commissioner Bruny provided additional comments on the level of support from various stakeholder groups including states, water users, river users and the power industry. The Commission must continue to seek input and consider the diversity of opinions received from stakeholders. He concluded by noting the important role, opinion, and expertise of Commissioners.

### **Report of the Executive Director**

Executive Director Richard Harrison began his report by briefing the Commission on the most recent Toxic Release Inventory (TRI) report from US EPA, and the strategy staff is employing to communicate how this report integrates with ORSANCO. This report indicates a slight increase in poundage of discharge into the River but is generally consistent with the past few years. ORSANCO's message focuses on the core designated uses of the River.

Of the 23 million plus pounds of chemicals that are discharged into the River, approximately 96% of those are sodium nitrate and nitrate compounds. Sixty-eight percent of the total is from one large discharge and is primarily nitrate compounds. In perspective, the poundage seems immense, but it is important to consider the designated uses of the River. The instream criterion for nitrate and nitrite is 10mg/L. The Ohio River concentration downstream from the large dischargers' outfall has never gone above 2.3mg/L and the median since 1992 is approximately 1.17mg/L. This will be part of the message if there are media inquiries.

Executive Director Harrison then reported that staff continues to look at strategic efforts, many focused on source water protection. These include expanded Harmful Algal Bloom (HAB) research and improved communications; the development of a contaminant source inventory; and efforts to secure voluntary funding from stakeholders.

Executive Director Harrison concluded by thanking the Commissioners for their leadership and for allowing staff the flexibility to explore new opportunities. He then recognized staff for their excellent work and dedication.

### **Action on Minutes**

**ACTION:** Motion by Commissioner Duritsa, second by Bruce Scott and unanimously carried, that the minutes of the 219<sup>th</sup> meeting of the Commission, be adopted as presented.

### **Report of the Audit Committee**

Commissioner Hoopingarner began by noting that a 2017 Independent Auditor's Report was provided to Commissioners in the meeting packet. He continued by reporting that Clark Schaefer Hackett, Certified Public Accountants, performed a general-purpose financial audit for fiscal year ending June 30, 2017. Kerry Roe, of Clark Schaefer Hackett, met with the Audit Committee on Wednesday, February 7<sup>th</sup>, to present and discuss the audit findings with the Committee and respond to any questions or concerns. He thanked Committee members, Commissioners Wilson, Kupke, Duritsa, and Bruny, for their participation.

Commissioner Hoopingarner then introduced Kerry Roe from the audit firm Clark Schaefer Hackett and invited Mr. Roe to provide a brief overview of the audit outcomes.

Mr. Roe thanked the Commission for the opportunity to present the audit report. He indicated that he had a good, detailed discussion with the Committee at Wednesday's meeting covering the financial statements and audit results. He noted that the audit process went very well, with excellent cooperation from management. There were no disagreements with management

relating to accounting, reporting, or auditing matters, which is very important. Ultimately, the auditor's primary role is to express an opinion on the financial statements. It is the auditor's opinion that the financial statements are fairly presented in accordance with generally accepted accounting principles. The opinion is "unmodified" which is hoped for on an opinion for the financial statements. No significant deficiencies or material weaknesses over internal controls were reported. He concluded by stating that this is a very positive report with no audit findings or comments.

Commissioner Hoopingarner continued by reporting that, in the auditor's opinion, the general-purpose financial statements present fairly, in all material respects, the financial position of ORSANCO as of June 30, 2017. There were no internal control related findings or issues. The audit report is an "unmodified" report. Finally, he thanked staff for their diligent efforts resulting in the "unmodified" report.

**ACTION:** Motion by Commissioner Pigott, second by Peter Goodman and unanimously carried, to accept the independent auditor's report as presented.

### **Report of the Treasurer**

Commissioner Kupke reported that the material provided prior to the meeting covered the first quarter of the fiscal year. However, an updated Treasurer's Report through December 31, 2017, covering the second quarter of the Commission's 2018 fiscal year budget, has now been included in the Commission packet. The report is presented in both short form (Attachment II) and detailed spreadsheet format. This material is to be entered into the record of this meeting.

Through the end of December, revenues of approximately \$2.3 million are trending as budgeted. Expenditures of approximately \$1.4 million are slightly below budget as programs are preparing for the upcoming field season.

With a total cash balance approaching \$2.5 million, the Commission is in a solid financial position to continue into the second half of fiscal year 2018 and achieve compliance with our annual fiscal year budget of approximately \$3.3 million dollars.

In conclusion, Commissioner Kupke noted that ORSANCO's facility loan of approximately \$1.1 million was retired in November 2017. This loan covered 25 years at an annual expense of approximately \$92,000 per year.

### **Report of the Technical Committee**

Commissioner Wilson, Committee Chairman, reported that the Technical Committee met on February 7-8 and covered 14 agenda items. Five states, two federal agencies, and three advisory committees were represented. Mr. Wilson thanked the outside speakers for their presentations: Mark Kessinger (retired, Army Corps of Engineers), Chris Niecht (US EPA), and University of Cincinnati seniors John Myers and Celeste Bauer. A summary of outcomes are as follows:

### **Report of the Biological Subcommittee**

Staff provided a report of the Biological Water Quality Subcommittee. Biological pool surveys from 2016 were presented, all of which indicated healthy aquatic life conditions. Interim results from 2017 biological pool surveys also indicate healthy aquatic life conditions. The biological subcommittee recommended to:

- Accept the 2016 biological pool assessments.
- Analyze both the modified Ohio River Fish Index (mORFIn) and the Ohio River Macroinvertebrate Index (ORMIn) for seasonality effects.

- Conduct probabilistic sampling in Elmsworth and Pike Island pools in 2018. Proceed as planned with the current 6-7 year assessment cycle for the entire Ohio River.
- Maintain current fixed station efforts for 2018 and conduct targeted sampling, as resources allow, within the two probabilistic pools as directed by relevant state and federal agencies.

#### Report of the Ohio River 305b Coordinators Workgroup

Staff presented draft 2018 305b assessments for the Ohio River. Assessment methodologies were identical to the 2016 assessments, and results were almost identical as well. A draft report will be prepared for consideration at the June meeting based on these assessments.

#### Corps Ohio River Basin Climate Change Study

Mr. Mark Kessinger presented results of the Corps climate change study for the Ohio River Basin. The study predicts significant changes in stream flows in the basin in the coming decades based on predicted changes in precipitation patterns. The report estimates over \$1.5 trillion annually is at risk in the Ohio River Basin, and it presents a number of adaptation strategies. ORSANCO will be engaged with the Ohio River Basin Alliance on these adaptation strategies.

#### Source Water Protection Programs

Staff reported on a pilot project to develop a contaminant source inventory for the Ohio River in the area from Maysville, KY to Cincinnati, OH. This project is a coordinated effort between Cincinnati and Northern Kentucky water districts, along with funding from the US EPA. ORSANCO will participate and may seek to expand the program to other parts of the river as the project successes are demonstrated. Staff then reported on the initiation of efforts regarding development of the next generation Organics Detection System, including formation of a workgroup within the Water Users Advisory Committee. Staff finally reported on a number of significant Ohio River spill events which have occurred over the past several weeks.

#### Harmful Algae Blooms

Students from the University of Cincinnati presented on their Senior Capstone Project to develop a HAB database management system and website to display Ohio River continuous monitoring data. It is being done at no cost to ORSANCO.

Chris Niecht from the US EPA then presented on their RARE grant project to compile data from the 2015 HAB event and begin assessing that data to identify conditions leading to 2015 HAB event such that the risk of future HABs on the Ohio River can be predicted.

The Committee would like to thank Scott Mandirola for providing an additional \$30,000 of 604b funding that will go toward this work.

#### Pollution Control Standards

Staff provided an overview of the current public review of the Commission's Pollution Control Standards for Discharges to the Ohio River. The review was opened on January 10 and will close on February 24. Comments will be summarized and provided to the Pollution Control Standards Committee for their consideration. The Standards Committee will then report results to the Commission at the June Commission meeting.

#### Mercury Project Update

A status report of the Mercury Mass Balance Project was presented. The main objective of the project is to estimate the extent of permitted point source contributions to the total loading of mercury in the Ohio River. The original project schedule has been revised with a new target completion date for the October 2018 meetings.

## Ohio River Combined Sewer Overflow Abatement Report and Ohio River Stormwater Abatement Report

Staff delivered reports on the status of the states' work to abate combined sewer overflows and municipal separate storm sewer systems along the Ohio River.

## Summary of Technical Committee FY2019 Program Recommendations

Technical program recommendations were developed over the two-day meeting and will be forwarded to the Commission's Program and Finance Committee for their consideration.

## Report of the Pollution Control Standards Committee

Commissioner Frevert, Committee Chairman, reported that following the October 2017 Commission meeting, the Pollution Standards Control Committee was assigned with proceeding with a public comment period for Standards review issues as directed by the Ad Hoc Committee. The public comment period began on January 10, 2018 and will close on February 24, 2018. All comments and considerations brought forward will be taken back to the Pollution Control Standards Committee for further review. A more substantive report will be provided at the June 2018 Commission meeting.

## Report of the Water Users Advisory Committee (WUAC)

Bruce Whitteberry, Committee Chairman, reported that the Committee met on January 23-24. Staff provided updates on several programs including source water protection and the Pollution Control Standards current review process. Attendees were encouraged to submit individual comments to the proposed Standards revisions during the open comment period.

A summary of the University of Cincinnati student Senior Capstone Project regarding the Ohio River Harmful Algal Bloom (HAB) indicator and real-time monitoring project was presented. This project should benefit ORSANCO as well as water utilities.

Corona Environmental provided a demonstration of WaterSuite program. This provided a better understanding of the pilot project undertaken by US EPA, Greater Cincinnati Water Works, Northern Kentucky Water District, and ORSANCO. This pilot project should be completed within the next six months.

Staff provided an update on spill events over the past several months, several of which impacted water utilities. He also mentioned the recent incidents of runaway barges. These incidents did identify a weakness in the spills notification process. There is no systematic way in which ORSANCO is notified of compromised barges unless there is a chemical release. Staff will investigate possible remedies.

The Committee has formed a work group to evaluate the needs of water suppliers and provide ORSANCO staff and the Commission with prioritized recommendations for the next generation of the Organics Detection System (ODS). The Committee finalized a general scope of work, including a schedule for providing a final report to the Commission at the October 2018 Commission meeting.

## Report of the Public Information Programs Advisory Committee

Betsy Mallison, Committee Chairman, reported that the Committee met on February 8, 2018 in Covington, Kentucky.

The Committee reviewed a number of outreach and website items, including the communications efforts for the current Pollution Control Standards (PCS) current review process. The Committee

believes the PCS communication is robust and effective. The Committee also discussed ORSANCO's recent collaboration on a Harmful Algae Bloom (HAB) study with University of Cincinnati students. The Committee urged additional such collaborations with students when possible.

The Committee recommends that ORSANCO's communications staff implement a social media campaign that highlights the University of Cincinnati collaboration along with other partners in this project.

### **Report of the Watershed Organizations Advisory Committee (WOAC)**

Madeline Fleisher, reporting for the Committee, stated that the Committee appreciates the opportunity to be engaged in the important topics before the Commission. The Committee is particularly interested in engaging around the important question concerning the state of the Pollution Control Standards. The Committee previously provided comments as an advisory committee as requested by the Commission. Individual and organizational comments will also be provided.

Ms. Fleisher emphasized, for today's purposes, that from the Committee's perspective, the Pollution Control Standards are a great avenue, not just for the Committee to engage in, but for the engagement of the larger public. Over the history of ORSANCO, there has been, not always uncontroversial, but in some ways, the most valuable conversation around issues like mercury and numeric nutrient criteria in the context of the Pollution Control Standards. Those topics are going to continue to come up as it is a time of change for the River. As uses of the River change and economic development continues, the Commission and users of the River will be facing issues relating to climate change and impacts on water quantity.

The Committee urges the Commission to continue to serve as a totally unique venue for coming together to preserve and protect the designated uses of the River.

### **Recognition of Staff Service**

Chairman Bruny recognized the following ORSANCO staff members for service milestones:

Rob Tewes – 10 years of service

Greg Youngstrom – 15 years of service

Lila Ziolkowski – 15 years of service

Donna Beatsch – 45 years of service

### **Comments by Guests**

Judy Petersen commented that she had an opportunity to discuss and consider the proposed alternatives for the Pollution Control Standards over the past several days. She sincerely believes that ORSANCO, the River, and stakeholders will lose something if we completely delete the Standards as proposed in the majority report for alternative number two or alternative number one.

Ms. Petersen hopes that we can find something in between that allows ORSANCO a seat at the table on Standards, retains some Standards, and allows ORSANCO staff flexibility in continuing to monitor and assess the River as resources are tight, and possibly spend less resources on Standards.

She concluded by re-emphasizing her position that we all will be losing something if alternatives one or two are adopted.

**Upcoming Meetings**

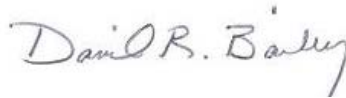
Chairman Bruny noted the following schedule for upcoming Commission meetings:

- June 5-7, 2018    Louisville, Kentucky
- October 2-4, 2018     Lansing, West Virginia
- February 2019    TBD

**Adjournment**

The 220<sup>th</sup> meeting of the Commission was adjourned at 9:55 A.M.

Prepared by:

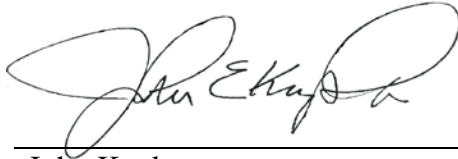


Date: February 15, 2018

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David Bailey  
Director of Administration

Approved by:



Date: March 6, 2018

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John Kupke  
Secretary/Treasurer



**ROSTER OF ATTENDANCE**  
**220<sup>th</sup> Commission Meeting**  
**February 9, 2018**

**Commissioners**

Illinois	Toby Frevert
Indiana	Bruno Pigott John Kupke Joseph Harrison, Jr.
Kentucky	Ron Lovan Peter Goodmann (PROXY for Lt. Governor Janean Hampton) Bruce Scott (PROXY for Secretary Charles Snavelly)
New York	Mike Wilson
Ohio	Craig Butler Stuart Bruny John Hoopingarner
Pennsylvania	Charles Duritsa Jennifer Orr (PROXY for Secretary Patrick McDonnell)
West Virginia	David Flannery Ron Potesta Scott Mandirola (PROXY for Secretary Austin Caperton)
Federal	George Elmaraghy
Legal Counsel	Aaron Herzig

**Executive Director**

Richard Harrison

**Guests**

Betsy Mallison – PIACO; Erich Emery – USACE; Madeline Fleisher –WOAC; Bruce Whitteberry – WUAC; Tiffani Kavalec – Ohio EPA; Kerry Roe – Clark Schaefer Hackett; Judy Petersen – PIACO

**Staff**

David Bailey, Jason Heath, Sam Dinkins, Joe Gilligan, Lisa Cochran, Ryan Argo, Lila Ziolkowski, Travis Luncan, Donna Beatsch, Stacey Cochran, Tracey Edmonds, Rob Tewes, Vanessa Verst (Intern), Ryan Hudson (Intern)

**February 9, 2018 Chairman's Report**

Good morning again. I trust you all have had an enjoyable 2 or 3 days in the Cincinnati/Northern Kentucky area as we attend our 220th Commission meeting and the 216th Technical Committee meeting. I know I particularly enjoyed leaving the warm sunny gulf shores of Florida to be here the last few days.

We heard many good presentations and updates at our Technical Committee meeting the last couple of days. I look forward to various committee reports and other updates during our commission meeting here this morning.

I'd like to begin by recognizing our excellent staff.....many of whom are in attendance for today's Commission meeting. Even though I've been around for several years and know many of them, my appreciation for their efforts continues to grow. They have done a great job completing our numerous programs over the past few months, under some very challenging circumstances. We have been short staffed for some time and they have pulled together to cover our fieldwork without any program delays. We have also had some significant spill events that required around the clock response, as well as response over Thanksgiving, Christmas and New Year's. They have been gearing up for an unprecedented level of National Rivers and Streams Assessment work, which they volunteered to complete, in order to help fund other programs. We have continued to do a great job with public outreach with another successful Ohio River Sweep event, as well as working numerous weekends to display our mobile aquarium throughout the basin. Their excellent work comes as no surprise. Please join me in expressing our gratitude with a round of applause.

This year marks the 70th anniversary of the signing of the Ohio River Valley Water Sanitation Compact. What a remarkable instrument of cooperation the compact has been, and continues to be.....its success is only outdone by the water quality improvements we've seen in the Ohio River valley since 1948. While there are improvements that we need to continue to work on, I would venture to say the river is in better condition today than it has been since the beginning of the industrial revolution. We don't have a 70th birthday party planned, but I hope each of you takes some time to pause and reflect on where we have come from, the vast improvements to water quality that we have championed, as well as what our best path forward might be. Our programs must be relevant, focused, efficient, and result in further water quality improvements to the Ohio River. We can only hope to be as successful in the next 70 years.

You may remember my Chairman's message at our October meeting included some remarks about the important work of our standing committees, advisory committees, ad-hoc committees and workgroups; and the number of people.....I think nearly 270 from our state agencies, water and wastewater utilities, watershed organizations, business and industry, USEPA and other federal agencies that populate these committees, to assist OSANCO in carrying out our mission. I mentioned what an excellent example of stakeholder involvement this is, and the resultant key component of OSANCO's success as an interstate river basin commission.

Since then, I've given additional thought to our stakeholders, sometimes referred to as partners, as to who they are, what or who they represent and how we interact with them. I think we all know what we mean when we refer to our stakeholders, but Webster defines stakeholder as "one who is involved in or affected by a course of action" or "a group, organization, member or system that affects, or can be affected by an organization's actions".

ORSANCO obviously has many stakeholders, many more than those mentioned in our committees and workgroups. We have internal stakeholders and external stakeholders. We have silent stakeholders and stakeholders that easily and often express their opinions. We have stakeholders that affect what we do and likely many more that are affected by what we do. Regardless of the type or number of stakeholders, we are ultimately guided by our 70 year old compact. It is clear, that given our mission, it is nearly impossible to please all stakeholders at all times. Those of you associated with our member state or federal regulatory agencies know this quite well.

Who are some of our stakeholders? Examples of internal stakeholders include our staff, our commissioners, some of our standing committees and ad-hoc committees. External stakeholders are numerous, and include our many advisory committees, workgroups, our member states, the general public, municipal and industrial dischargers, public and industrial water supplies, recreational users such as boaters, swimmers, fishers, kayakers and the like. What about our congressional caucus, state legislators, federal agencies including USEPA, the CORPS of Engineers, USGS, the Coast Guard and Fish & Wildlife Service. The Foundation for Ohio River Education and perhaps our newest stakeholder the Ohio River Basin Alliance.

We must not forget about our silent stakeholders that include the Ohio River, its fish, macro-invertebrates and other aquatic and biological life. While these stakeholders may not be able to talk with us or speak their opinion, they provide their input to what we do in a very different way. They tell us their story through water quality monitoring and biological assessments.....by their presence or absence, their abundance or scarcity, their reproductive capabilities, DELT anomalies and level of tissue contaminants.

There are stakeholders that affect what we do.....typically those that you obtain your resources from.....in our case, primarily our member state agencies and USEPA.

My message here this morning is not to suggest we embark upon some type of stakeholder analysis or management program, or even attempt to identify or list all of ORSANCO's stakeholders, but rather to highlight the number and diversity of our stakeholders. As you know, stakeholders will typically represent a certain cause, adopt a position critical to their cause, or represent the position of their employer or business. That's OK.....that's what they are supposed to do. Our job should be to assimilate those positions and decide what we think is the best course of action. Even though we are all in favor of clean water and the continued improvement the Ohio River, given the number and diversity of stakeholders, it's difficult, at best, to please everyone all the time.

As we receive and consider input from our stakeholders, we are at times confronted with very divergent and differing opinions. It quickly becomes very clear that our decisions will end up pleasing some and angering others. As we listen to the cheers of some and the boos of others, we must not forget what we are defined by. In no particular order of importance, we are defined by our commitment to:

- implement the compact
- to follow sound science as we make decisions and carryout our programs and activities
- to serve our member states
- to be professional, ethical, and transparent in conducting Commission business
- to preserve and enhance Ohio River water quality
- to protect aquatic life
- to source water protection
- and last but not least using common sense

We cannot be defined by

- rash decisions
- arbitrarily following public opinion
- the threats, sensationalism and rhetoric of a few extremists
- a political party's agenda or an individual's personal agenda

That's not who we are.

We can't forget about or overlook the great support we receive from many of our stakeholders. For example, our water users play an important role in operating the organics detection system. Further, they are advising us on ways to improve and optimize the system with less cost and more efficiency. Many of our stakeholders up and down the river have provided great financial support for the Ohio River sweep for over 28 years. Our River Users advisory committee has provided funds for some special studies on the Ohio River. The Power Industry Advisory Committee has shared with us many of their studies on mercury and temperature issues associated with the mainstream. Our member states and USEPA provide us annual operating funds. The technical support we receive from individuals, organizations, state and federal agencies too numerous to count is invaluable to ORSANCO. I'd like to thank all of our stakeholders .....individuals, organizations, advisory committees and state and federal agencies for all they do for ORSANCO. We couldn't do our job without you.

We must continue to seek input and seriously consider the diversity of opinions we receive from all of our stakeholders. As we discuss, evaluate and deliberate the various perspectives of our stakeholders, we also can't forget that your opinion counts too. Each of you was appointed to the Commission for a good reason.....based on your knowledge, experience and expertise in the water environment arena or related field. You were appointed as experts, and entrusted to carry out the mission of the Ohio River Valley Water Sanitation Commission.....and thus collectively, our opinion counts too. We too, as Commissioners have diverse backgrounds, and don't always agree on important issues. That disagreement is a good thing.....it's healthy for the Commission to look at all sides of an issue, and to debate its pros and cons. Not perhaps in all cases, but in nearly all cases, our well thought out decisions, while fully considering stakeholder input, on program direction and activities, without personal agenda, will result in the right decision for the Ohio River and ORSANCO moving forward.

I thank you again for your passion and commitment to ORSANCO.

**DATE:** February 9, 2018  
**TO:** Commissioners  
**FROM:** John Kupke  
**SUBJECT:** Treasurer's Report as of December 31, 2017

The Treasurer's Report is presented in both the short form and the detailed spreadsheet format.

The report indicates that the Commission has accounts receivable totaling \$757,084 at the end of December 2017. The balance in accounts receivable is detailed as follows:

Signatory States	\$158,000	Kentucky
	176,500	Pennsylvania
	<u>72,400</u>	West Virginia
	\$406,900	
Federal Sources	\$287,926	106 Grant
Other Sources	\$30,000	EPRI Newburgh Pool Mussel Survey
	32,013	Ohio River Sweep
	<u>245</u>	Foundation for Ohio River Education
	\$62,258	

The receipts of \$2,336,926 plus the carryover of \$2,000,313 equals \$4,337,239 through the end of December 2017. Of that amount, \$1,378,450 was expended on programs, leaving resources of \$2,958,789 available for the continuation of ORSANCO's programs.