

DRAFT MINUTES
 TECHNICAL ADVISORY COMMITTEE TO THE BROWARD COUNTY WATER ADVISORY
 BOARD

Friday, August 12, 2022, 9:30 AM Hybrid Meeting via Zoom

A meeting of the Technical Advisory Committee (TAC) to the Broward County Water Advisory Board was held on August 12, 2022, commencing at 9:30 am in person at 115 S. Andrews Ave Room 430 and virtually on Zoom. (The TAC meeting minutes were summarized by Gregory Mount (Gmount@Broward.org or 954-519-0356). Copies of the presentations are filed with the supplemental papers of the meeting.)

Please note that discussion within the room was difficult to hear due to issues with microphones in the room.

Link to the recording:

Topic: August Broward County TAC Meeting

Start Time: Aug 12, 2022 09:13 AM

Meeting Recording: https://broward.org/zoomgov.com/rec/share/OQ4YtF91EzeM1FCCan_WcrJ4SWH0NfcNJlBk_jMUOKmbjw-NIZ7Kgv3G2R9vdZgv.nAFUwwQohnIQnBNw

I. Roll Call

Name	In Person	Virtual	Absent	Alternate Name
Kevin Hart (Chair)	X			
Randolph Brown Vice- Chair		X		
Albert Carbon	X			
Alan Garcia	Alt In-person			X Susan Bodmann
Brett Butler		X		
Commissioner Doug Bell	X			Jack McCluskey
David Walker	X			
Giovanni Batista	X			
Heather Cunniff	X			
Isabel Cosio Carballo			X	
Jace Selby	X			FIRST MEETING
Dr. Jennifer Jurado	X			
Jose Lopez	X			
Leny Huaman	X (Last Meeting)			Dawn Teetsel
Lisa Milenkovic			X	Cindy Griffen
Mike Bailey			X	
Patrick Davis	X			
Pete Kwiatkowski		X		X Lorraine Mayers
Rafael Frias		X		Melissa Velez
Renuka Mohammed		X		Kiersy Pena Bratton
Heather Cunniff	X			
Stephanie Pearson			X	
Steve Holmes	X			
Vacant (Utility Director)				
Suzanne Mechler	X			
Talal Abi-Karam			X	
Tim Welch	X			Carrie Kashar

II. Statement of Meeting Objectives

A meeting of the Technical Advisory Committee to the Broward County Water Advisory Board was held on August 12, 2022, in GC East in RM 430 commencing at 9:30 am on Zoom.

III. Public Comments

None Provided.

IV. **TAC Approval of Minutes of June 17, 2022

Motion: Tim Welch, Second: Patrick Davis, Vote: Unanimous.

~~V. Candidates for Utility Director/City Engineer/Public Works Department Category Introduction. (1 to 2-minute limit).-[Tabled for next meeting]~~

~~VI. **TAC Vote on Utility Director/City Engineer/Public Works Department Category Vacancy-[Tabled for next meeting]~~

VII. Candidates for Independent Local Water Control District Category Introduction. (1 to 2-minute limit).

a. Jace Selby provided a short introduction to the Committee

VIII. **TAC Vote on Independent Local Water Control District Category Vacancy

Jace Selby was voted in unanimously. (Motion: Randy Brown Second: Albert Carbon).

IX. Announcements

Dr. Jurado made announcements concerning the opening of the registration for the 14th annual Compact Summit, and encouraged everyone to attend.

X. Presentations

- A. C-8 and C-9 Watersheds Flood Protection Level of Service Adaptation and Mitigation Planning Study (20p, 10d)
Akintunde Owosina, P.E., Chief, Hydrology and Hydraulics Bureau, South Florida Water Management District [12:30 – 47:12 presentation 47:13 – 53:20 questions on the recording]

Mr. Owosina provided an overview of the results of the C-8 and C-9 Watersheds Flood Protection Level of Service Phase 2, Adaptation and Mitigation Planning Projects Study. The Phase 3 project would be Resilient Infrastructure Implementation and this effort would be based upon the Phase 2 results. The timing and funding of implementation is still being determined.

The Phase 2 work has highlighted some potential mitigation strategies from the local to regional levels and includes a variety of suggested projects that can be expanded incrementally, that address issues identified in the Phase 1 work. The results of each adaptation were compared with the no action scenario and the other incrementally increased strategies. In addition, an economic study was completed that used the SFWMD-FIAT tool to see the comparisons in the expected annual damage that could be saved based on the implementation of the chosen adaptation plan. Mr. Owosina provided comments on the need to build smart, even though we

may be uncertain about how bad things may be and considering the full potential future needs of the structure so that additional pumps or spillways could be brought online as needed, or by acquiring enough land to not be constrained by future needs. Where possible green and nature-based solutions are considered and can be incorporated into the overall design.

- B. Presentation on the Broward County Underground Injection Wells Administrative Hearing (20p, 10d) Michael C. Owens, Esq., *Senior Assistant County Attorney* [53:21 – 1:32:30 presentation 1:32:31-1:45:40 questions on the recording]

Mr. Owens provided a presentation on the resolution of the case against Broward County concerning underground injection wells operated by Broward County Wastewater Services and the determination of the need for high level disinfection. The Florida DEP requires high level disinfection for any deep injection well where it could be possible for injected water to migrate upwards.

This requirement is at the discretion of the director and a warning letter was sent to Broward County on 2/25/2020, that stated two Broward-owned wells were showing signs of vertical fluid migration into an underground source of drinking water and collection of saline water at the well heads. Mr. Owens detailed the discussions between the County and the State concerning the monitoring well data and the disagreements with what the data showed. The discussions were unsuccessful, and a notice letter was received that required high level disinfection within 5 years and other advancements at the plant. Further discussions were had and involvement of higher officials were requested to review their position. After which a petition was filed by the County and an administrative judge was assigned.

Mr. Owens detailed the facts of the case and the witnesses that testified, highlighting the contributions of Drs. Missimer and Maliva as well as TAC members Pat Davis and Alan Garcia. Mr. Owens provided a detailed review of the monitoring systems and permits in place so as to better explain to the audience the background and years of history documenting the lack of any evidence of any fluid movement. Mr. Owens explained how the County sought to settle, by providing additional monitoring or research, on several occasions – but the State did not accept.

Mr. Owens, co-counsel and witnesses presented a case that showed errors in the FDEP's assertions that the monitoring zones were within the underground source of drinking water (USDW), which was recognized by the Administrative Law Judge as factually and legally incorrect. The factual incorrectness was demonstrated in the construction and permitting history, while the legal incorrectness was demonstrated from FDEP's misunderstandings or misapplication of the UIC rule, including the definitions of USDW, aquifer and confining zone. As such the Administrative Law Judge found that there, "is no factual basis for DEP to require the County to implement high-level disinfection at the Plant". This resulted in the DEP rescinding the order.

- C. Resilience and Water Resources Update (20p 10d)
Dr. Gregory Mount, *Water Resources Manager, Resilient Environment Department* [1:45:50 – 2:08:04 presentation 2:08:05 – 2:12:38 questions on the recording].

Dr. Mount provided an update on the recent hiring of new staff members working in the resilience unit to support the various projects and efforts and then provided a brief review of recent work on the resilience plan, saltwater intrusion, FEMA flood mapping and closed with a brief highlight of current grant opportunities.

Dr. Mount provided a brief update on the current status of the County-wide Risk Assessment and Resilience Plan and highlighted future opportunities for stakeholders to contribute. Next, a brief introduction to the saltwater intrusion workshop that was held, and the digitizing of the data into a GIS database and app for handheld use. Dr. Mount mentioned the presence of older wells that might not be monitored any longer, but may be suitable for future studies.

Next, Dr. Mount provided a brief introduction to the FEMA flood map changes that will be further explained by Carlos Adorisio at an upcoming Joint WAB/TAC meeting. He noted that about 18% of parcels are now required to have insurance and 0.5% were removed from flood zones. Further details to be presented at the later meeting.

XI. New Business and Open Discussion

a. Future topics request

i. C&SF update

ii. WPA Projects

XII. Next scheduled TAC Meeting: October 21, 2022, 9:30 a.m.

XIII. Next scheduled Joint WAB/TAC Meeting: September 9, 2022, 10:00 a.m.

XIV. ADJOURN