

Administrator's report Kevin Bronson OFFICE OF THE CITY Administrator WESTMINSTER, SOUTH CAROLINA

January 24, 2025

#### **GENERAL INFORMATION**

#### **City Council Planning Session (Rescheduled)**

Based on input from the majority of City Council Members, the Planning Session has been rescheduled for Monday, February 10, 2025 from 1:00 to 5:00 pm at the Westminster Fire Department Training Room.

#### **Utility System Rate Study**

The City of Westminster is seeking proposals to complete a rate study of the Combined Utility System. A study of the Westminster Sewer Collection System will be conducted to compliment the OJRSA's Feasibility Study and to inform the OJRSA Ad Hoc Planning Committee. The RFP can be found at <a href="https://westminstersc.org/wp-content/uploads/2025/01/Rate-Study-Request-for-Proposal-for-Wastewater-01142025.pdf">https://westminstersc.org/wp-content/uploads/2025/01/Rate-Study-Request-for-Proposal-for-Wastewater-01142025.pdf</a>.

#### This Week in Rec: An Update from Recreation Director Herb Poole

- Spring volleyball registration is ongoing through Friday, January 31 for ages 8-17.
- Baseball, Tee ball, and Softball registration will be held next month.
- Recreation Director Herb Poole has had some conversations with travel sport organizations about using out facilities in the spring and summer and regarding the new recreation complex.

#### **SCIIP Sewer Project**

Tugaloo/McClam have been installing new sewer pipe from the county connection moving towards Johnson St crossing. The project is progressing with our anticipated schedule.

#### **Anderson Park**

Contractors were unable to work on site this week due to wet soil conditions at the park. Work may resume next week depending on weather conditions.

#### **Horton Outdoor Recreational Area**

The contractor continued to make progress this week excavating and grading the site. Wet soil conditions slowed work, but progress was made. Some debris burning took place as well. Local contractors are assisting City Staff with the cleaning and leveling of areas of the site that are not under construction.

#### **Heirloom Farms**

A stop work order was issued by the City in December due to invoices from the City not being paid by the developer. Back payment has been paid for completed work, and the project remains on-hold until the developer pays the balance of the construction contracts.

#### Long Creek Highway Chauga River Bridge (from Utilities Director Scott Parris)

Materials are on site and HDH has Completed construction of Phase 1 of the 10" Water line. Phase 2 will be bid out by the Crowder Construction (Bridge Contractor) to begin as soon as the bridge is complete. DOT continues to review the MOA and verify the compliance of the proposal with state law for reimbursement of costs. DOT hopes to have a final decision soon.

Bridge demolition is complete with new construction beginning in the coming weeks. The City of Westminster is working to sell a small portion of parcel owned by the City to SCDOT as a part of the bridge project. City Council approved first reading of an ordinance to sell the property at its January 14 City Council meeting.

#### **Oconee Economic Alliance**

The Oconee Economic Alliance Board of Directors met on January 24, 2025. The agenda is attached.

#### Westminster Planning Commission

The Planning Commission met January 27, 2025. The agenda is attached.

#### **OJRSA**

The Operations and Planning Committee met January 15, 2025; the draft meeting minutes are attached.

#### **PMPA**

Nothing to report.

#### PLEASE MARK YOUR CALENDARS

February 3, 2025 at 4:00 pm OJRSA Board Meeting at OJRSA
February 10, 2025 at 5:00 pm City Council Annual Planning Session at the Westminster Fire Department
February 11, 2025 at 6:00 pm City Council Meeting at the Westminster Fire Department
February 13, 2025 at 9:00 am OJRSA Ad-hoc Feasibility Implementation Committee at OJRSA
February 17, 2025 – City Offices closed to observe Presidents Day
February 19, 2025 at 8:30 am Operations & Planning Committee at OJRSA
February 20, 2025 at 10:00 am PMPA Board Meeting at PMPA
February 24, 2025 at 6:00 pm Westminster Planning Commission Meeting at Westminster City Hall
February 25, 2025 at 9:00 am Finance & Administration Committee at OJRSA

#### City Council Meeting Schedule

January 14, 2025		6:00 PM	City Council Meeting
February 11, 2025	4:00 PM	6:00 PM	Budget Workshop/City Council Meeting
March 11, 2025	4:00 PM	6:00 PM	Budget Workshop/City Council Meeting
April 8, 2025	4:00 PM	6:00 PM	Budget Workshop/City Council Meeting
April 29, 2025	4:00 PM		Budget Workshop
May 13, 2025		6:00 PM	City Council Meeting
June 17, 2025		6:00 PM	City Council Meeting
July 8, 2025		6:00 PM	City Council Meeting
August 12, 2025		6:00 PM	City Council Meeting
September 9, 2025		6:00 PM	City Council Meeting
October 14, 2025		6:00 PM	City Council Meeting
November 18, 2025		6:00 PM	City Council Meeting
December 9, 2025		6:00 PM	City Council Meeting

## **Special Events Calendar**

## February 5, 2025 at 8:00am Coffee and Commerce at the Westminster Depot

(Topic of AI marketing; coffee provided by the Oconee County Chamber of Commerce)



# Board of Directors Meeting January 24, 2025

- I. WELCOME AND INTRODUCTIONS
- II. INVOCATION
- III. NOMINATION AND ELECTION OF OEA OFFICERS 2025-2026
- IV. NOVEMBER OEA BOARD OF DIRECTORS MEETING MINUTES
- V. NOVEMBER/DECEMBER 2024 OEA FINANCIAL REPORT
- VI. PRESENATION OF THE 2025 OEA BUDGET
- VII. OEA ECONOMIC DEVELOPMENT REPORT
  - ✓ PROJECT ACTIVITY
  - ✓ INQUIRIES, LEADS, PROSPECTS AND WINS
  - ✓ BUSINESS RETENTION AND ENGAGEMENT (BRE)
  - ✓ MARKETING
  - ✓ PRODUCT DEVELOPMENT
  - ✓ OPERATIONS
- VIII. EXECUTIVE SESSION TO DISCUSS PERSONNEL MATTER (IF NEEDED)
- IX. BOARD DISCUSSION

## X. ADJOURN

## AGENDA

## PLANNING COMMISSION

## City of Westminster

Monday, January 27, 2025 6:00PM Regular Meeting

Westminster City Hall 100 E. Windsor St, Westminster, SC 29693

## Westminster Planning Commission

January 27, 2025 Meeting

6:00pm- City Hall

- 1. Call to Order
- 2. Swearing In of Planning Commission Member Charles Morgan
- 3. Invocation and Pledge of Allegiance
- 4. Certification of Quorum
- 5. Comments from Staff
  - a. Misc./Other

## **Routine Business**

## 6. Consideration of Minutes from November 18, 2024.

## 7. Consideration of 2025 Meeting Schedule

Month	Date
January	January 27, 2025
February	February 24, 2025 (President's
	Day on February 17)
March	March 17, 2025
	April 21, 2025
May	May 19, 2025
June	June 16, 2025
July	July 14, 2025
August	August 18, 2025
September	September 15, 2025
October	October 20, 2025
November	November 17, 2025
December	No Meeting.

## 8. Nomination and Election of Planning Commission Officers

- a. Chair
- b. Vice-Chair
- c. Secretary

## Old Business

None.

## New Business

None.

## Special Presentations and Workshop

## 9. South Carolina Chapter of the American Planning Association Community Technical Assistance Program's Presentation

The SC Chapter of the American Planning Association (SCAPA) provided the City of Westminster with a technical assistance grant, focusing on the HWY 123 Corridor from (roughly) the marquee sign at the intersection of Main Street and Windsor Street to the intersection of HWY 24 and Main Street (Ingles Intersection). They were tasked to identify ways and opportunities to improve their project area to make it more pedestrian friendly, promote beautification, and to compliment the Downtown Masterplan.

The volunteer committee was made up of planning professionals in local government, planning consultants, and students at Clemson University. They met monthly with Westminster Staff to provide updates and direction.

The plan is a recommendation of policies, possible future partnerships, and development standards that could lead to improvements in the corridor.

Staff requests that Planning Commission formally accept the document, engage in dialogue with the SCAPA Volunteers, and provide feedback to City Staff. The Planning Commission will have additional opportunities over the coming months to determine if they would recommend and/or policies to City Council as a result of the plan.

## 10. Adjourn

### City of Westminster MINUTES OF THE PLANNING COMMISSION November 18, 2024, 6:00 pm Westminster City Hall

The meeting was called to order at 6:00pm. In attendance were Sandra Powell, Ben Lewis, Lacey Moore, Jarrod Brucke and Truman Holbrooks.

Staff: Assistant City Administrator, Regan Osbon

#### **Call to Order**

Sandra Powell called the meeting to order at 6:00 pm.

#### **Invocation and Pledge**

Sandra Powell led the planning commission in the invocation and the Pledge of Allegiance.

#### **Certification of Quorum**

Kiley Carter certified a quorum.

#### **Comments from Staff**

Mr. Osbon spoke with the commission about not having a meeting scheduled in December. He thanked everyone for their hard work serving on this commission for the year 2024. Mr. Osbon explained that he would like to go ahead with scheduling the January meeting and he recommended January 27<sup>th</sup> instead of January 20<sup>th</sup> due to MLK day. The commission agreed. Mr. Osbon spoke about Mr. Holbrooks not continuing to serve on this commission after his term expires in December of 2024 and he let them all know that he has spoken with city council about looking for a nominee. Mr. Osbon spoke about the SCAPA grant project and how he would like this to be presented as a workshop item at the January meeting. The commission agreed and Mr. Osbon said that he would speak with the grant coordinators about being prepared for that.

#### **Approval of Minutes**

Upon a motion by Mrs. Moore and seconded by Mr. Truman, the motion to approve the August 19, 2024, meeting minutes passed unanimously.

#### **Old Business**

#### **Consideration of Rezoning of Recently Annexed Property**

Mr. Osbon proposed how he would like to streamline the annexation approval process and how the planning commission would then recommend an annexation and a zoning classification at one time to then be taken to city council. This proposal has already passed first reading at city council.

Sandra Powell opened the public hearing for the rezoning of 100 Dunlop Drive (TMS # 530-19-04-001), 143 Oakmont Road (TMS #530-09-01-013), 1405 Clearmont Road (TMS # 530-09-01-

014), 650 Marcengill Road (TMS # 530-15- 02-015), Lot A (Cornelia Avenue; TMS # 530-31- 03-010) 311 Cornelia Avenue / Lot B (TMS # 530-31-03-011), 198 Nina Circle / Lot C (TMS # 530-31-03-012) 199 Nina Circle / Lot D (TMS # 530-31- 03-013), Lot E (Cornelia Avenue; TMS # 530-31-03-014), Lot F (Nina Circle; TMS # 530-31-03- 015), and Lot G (Nina Circle; TMS # 530-31-03-016. Hearing none, the public hearing was closed by Sandra Powell. There was some discussion of the rezoning classifications.

Rezoning recommendations were made for each Recently Annexed Property as detailed below:

Zoning Amendment 2024-004: 100 Dunlop Drive (TMS # 530-19-04- 001) was rezoned as Light Industrial unanimously.

Member	Motion	Vote
Powell		Yes
Lewis	Second	Yes
Holbrooks	Motion	Yes
Brucke		Yes
Moore		Yes

Zoning Amendment 2024-005: 143 Oakmont Road (TMS #530-09-01- 013) was rezoned as R-25 unanimously.

Member	Motion	Vote
Powell		Yes
Lewis	Motion	Yes
Holbrooks	Second	Yes
Brucke		Yes
Moore		Yes

Zoning Amendment 2024-006: 1405 Clearmont Road (TMS # 530-09- 01-014) was rezoned as R-25 unanimously.

Member	Motion	Vote
Powell		Yes
Lewis	Motion	Yes
Holbrooks		Yes
Brucke		Yes
Moore	Second	Yes

Zoning Amendment 2024-007: 650 Marcengill Road (TMS # 530-15- 02-015) was rezoned as R-15 unanimously

Member	Motion	Vote
Powell		Yes
Lewis	Motion	Yes
Holbrooks	Second	Yes
Brucke		Yes
Moore		Yes

Zoning Amendment 2024-011: Lot A (Cornelia Avenue; TMS # 530-31- 03-010) (recommendation for all following parcels being considered on Cornelia Ave and Nina Circle): was rezoned as GR unanimously.

Member	Motion	Vote
Powell		Yes
Lewis	Motion	Yes
Holbrooks		Yes
Brucke		Yes
Moore	Second	Yes

Mr. Lewis and Mr. Osbon discussed the classification of general residential with the commission. Mr. Osbon confirmed that these properties could be developed as stick-built homes or duplexes, but not apartments.

A motion was made by Mr. Lewis and seconded by Mrs. Moore to approve the properties below as written. The motion passed unanimously.

Zoning Amendment 2024-008: 311 Cornelia Avenue / Lot B (TMS # 530-31-03-011) was rezoned as GR unanimously.

Member	Motion	Vote
Powell		Yes
Lewis	Second	Yes
Holbrooks	Motion	Yes
Brucke		Yes
Moore		Yes

Zoning Amendment 2024-009 (Public Hearing): 198 Nina Circle / Lot C (TMS # 530-31- 03-012) Zoning Amendment 2024-010 (Public Hearing): 199 Nina Circle / Lot D (TMS # 530-31- 03-013) Zoning Amendment 2024-012 (Public Hearing): Lot E (Cornelia Avenue; TMS # 530-31- 03-014) Zoning Amendment 2024-013 (Public Hearing): Lot F (Nina Circle; TMS # 530-31-03-015) Zoning Amendment 2024-014 (Public Hearing): Lot G (Nina Circle; TMS # 530-31-03-016) were all rezoned as GR unanimously.

Member	Motion	Vote
Powell		Yes
Lewis	Motion	Yes
Holbrooks	Second	Yes
Brucke		Yes
Moore		Yes

#### **New Business**

# Consideration of an ordinance to amend the Westminster Zoning Ordinance to streamline the City of Westminster Annexation Process (Public Hearing).

Sandra Powell then opened the public hearing. Hearing none, the public hearing was closed.

Mr. Osbon explained amending the Westminster Zoning Ordinance to streamline the City of Westminster Annexation Process. He explained that this process is currently very redundant. It is a 6 month process hoping to go to a 3 month process. City council has already approved the first reading of this. City council will approve the second reading after this commission approves a recommendation. There was some discussion to clarify exactly how the new process would work. The planning commission wants to be sure that every property owner gets the chance to be heard about rezonings.

The ordinance to amend the Westminster Zoning Ordinance to streamline the City of Westminster Annexation Process passed unanimously.

Member	Motion	Vote
Powell	Second	Yes
Lewis		Yes
Holbrooks		Yes
Brucke		Yes
Moore	Motion	Yes

Consideration of Zoning Amendment Application 2024-017 (Public Hearing): 115 Riley Street from R-15 (Single Family Residential) to R-6 (Single Family Residential). The City recently sold property located at 115 Riley Street (TMS# 530-21-06-015).

Sandra Powell opened the public hearing. Josh Thomas and Amber Crain were present to answer any questions the commission may have had and to give a general overview of what their plans were at 115 Riley Street. Josh Thomas also gave examples of houses for sale in the area, their conditions, and their listing prices compared to his plans for 115 Riley Street. Mr. Lewis voiced his concern with the housing density here in Oconee County (for example, Coopers Mill).

The Zoning Amendment Application 2024-017 (Public Hearing): 115 Riley Street from R-15 (Single Family Residential) to R-6 (Single Family Residential). The City recently sold property located at 115 Riley Street (TMS# 530-21-06-015) passed unanimously.

Member	Motion	Vote
Powell		Yes
Lewis	Motion	Yes
Holbrooks		Yes
Brucke		Yes
Moore	Second	Yes

Consideration of Annexation of Property Located at 100 Carson Street, TMS # 234- 03-01-021 (Public Hearing). The City's pending ordinance doctrine allows the City to utilize the pending annexation method described in item 17.

Mr. Osbon explained that the next properties listed would begin the newly streamlined process of rezoning properties recommended by the commission earlier in this meeting.

Sandra Powell opened the public hearing. Hearing none, the public hearing was closed.

Mr. Osbon explained that this property came to our attention for annexation through utility services when it became contiguous with city limits due to previous annexations.

Annexation of Property Located at 100 Carson Street, TMS # 234-03-01-021 (Public Hearing). The City's pending ordinance doctrine allows the City to utilize the pending annexation method described in item 17 passed unanimously.

Member	Motion	Vote
Powell		Yes
Lewis	Second	Yes
Holbrooks		Yes
Brucke		Yes
Moore	Motion	Yes

Consideration of Annexation of Property Located at 510 West Oak Highway, TMS # 260-00-04-039 (Public Hearing). The City's pending ordinance doctrine allows the City to utilize the pending annexation method described in item 17.

Sandra Powell opened the public hearing. Hearing none, the public hearing was closed.

Mr. Osbon explained that this property recently sold, and the new owner has no issue with being annexed in. The city is recommending annexation to grow this way.

Staff recommended approval for R-20. This was questioned by the commission. This property should still actually be designated as R-15 to be consistent with the surrounding areas.

There was a motion to amend the proposal from R-20 to R-15 and to accept the annexation of this property.

Annexation of Property Located at 510 West Oak Highway, TMS # 260-00-04-039 (Public Hearing). The City's pending ordinance doctrine allows the City to utilize the pending annexation method described in item 17 passed unanimously.

Member	Motion	Vote
Powell		Yes
Lewis	Motion	Yes
Holbrooks		Yes
Brucke	Second	Yes
Moore		Yes

#### Discussion of Solar Farms within the City of Westminster

Mr. Osbon explained that someone had reached out to the city about a solar farm. The city's Zoning Ordinance does not currently address Solar Farms, and staff generally errs towards the request of the property owner in these situations. Due to the perceived disruptive nature of solar farms, we wanted to seek guidance and feedback from the planning commission.

There was discussion about the negatives of these solar farms such as putting off excessive heat, killing wildlife, and being an eyesore to the community. The planning commission is not for this right now within city limits. Mr. Osbon explained that the city could get significant business license fees from these. The consensus was to review solar farms on a case by case basis with more specifics to approve.

#### Adjourn

Upon a motion by Mr. Holbrooks and seconded by Mr. Lewis, the motion to adjourn the meeting at 7:08 pm passed unanimously.

(Minutes prepared by Kiley Carter)

Sandra Powell, Chairperson



# **Oconee Joint Regional Sewer Authority**

## **OCONEE JOINT REGIONAL SEWER AUTHORITY**

#### **Operations & Planning Committee** January 15, 2025

The Operations & Planning Committee meeting was held at the Coneross Creek Wastewater Treatment Plant.

Commissioners that were present:

- Seat 1 (Seneca): Bob Faires, III (Committee Chairman)
- Seat 3 (Seneca): Scott McLane
- Seat 6 (Walhalla): Laramie Hinkle
- Seat 9 (Walhalla & Westminster): David Dial

Commissioners that were not present:

• None. All Commissioners were in attendance.

OJRSA appointments and staff present were:

- Lynn Stephens, Secretary/Treasurer to the Board and Office Manager
- Kyle Lindsay, Operations Director
- Chris Eleazer, Executive Director

Others present were:

- Steve Barbian, KCI Technologies
- Norm Cannada, <u>The Journal</u> (arrived at 9:10 a.m.)

A) Call to Order - Mr. Faires called the meeting to order at 8:29 a.m.

B) Public Session - None.

#### C) Presentation and Discussion Items:

• Update on Current Projects (Exhibit A) – Mr. Eleazer distributed the sheet to the committee and said he would answer any questions from the members.

Mr. McLane asked if the CCTV work at Martin Creek (#17 on the list) was completed. Mr. Eleazer replied that all CCTV work has been completed, but there is some additional smoke testing to do. Mr. McLane asked what the findings were. Mr. Lindsay replied that they found a couple items including the pipe separation under the road at Highway 123 that was shown at the Annual Members' Meeting.

Mr. Dial asked why the OJRSA would want a portable generator (#7 on the list). Mr. Lindsay replied that the generator was taken out of a pump station and is still operational but has been sitting at the plant. The thought is to put it on a trailer and use it wherever a generator may be needed. It is not necessary but is being considered. Mr. Dial asked about it being stolen; Mr. Lindsay replied that the OJRSA always worries about theft, but the stations have fences around them to deter it.

Mr. Dial mentioned the building repairs (#21 on the list) and asked if this was for the Operations & Administration Building. Mr. Eleazer replied that the bulk of it is for the roof of the chlorine building. Mr. Dial asked if the Ops and Admin Building had any water issues or roof leaks. Mr. Eleazer replied there have been leaks in the Ops & Admin Building (especially in his office), and he

reached out to Hogan Construction who did the building renovation. The building had considerable roof leakage before the renovation in 2019, and Hogan addressed these roof leak issues during the renovations. Hogan suggested the OJRSA contact a forensic engineer from Charleston, SC to look at the building and find out what the problem is. The engineer determined that the building, which was built in the 1970s, used a building technique for draining the water from exterior walls that is not working any longer. The water was meant to permeate through the bricks into a drain on the backside of the wall that would remove it from the building. At the present time, it seems the drains are blocked or something else is wrong, as the water can't escape anymore except inside the building where it is leaking around the windows in the Executive Director's office. The fix for this situation is not terribly expensive and includes some recommendations (such as new downspouts and other items) to move the water away from the building.

Mr. Faires took a minute before continuing the meeting to welcome Mr. Hinkle to the board and this committee. Mr. Hinkle replied he was glad to be here and will serve as best as he can.

#### D) Action Items to Recommend to the Board for Consideration:

1. Approve Executive Director to Execute Agreement with Harper General Contractors, Incorporated for No Fee to Establish the Contract Terms for the CMAR Contract as a Function of OJRSA Project #2024-06 as Recommended by KCI Technologies, Pending Funding Agency Approval – Mr. Barbian said the OJRSA is approaching a big milestone on the Dewatering Upgrades Project. On January 30, 2025, Harper will present their 90% GMP (guaranteed maximum price). The 60% pricing was reviewed and was a little over budget, so it was decided to reduce the electrical scope of work. The new electrical cost is expected to be reflected in the 90% amount at the end of the month, and it is anticipated to start construction at that time.

Mr. Barbian added that this agenda item is to approve the contract language for the project using the standard EJCDC form to begin construction for CMOM projects and is not the design-bid-build that has been used for several years.

Mr. Eleazer said it is imperative to get the cost down to at or below where the SCIIP funding is. He stated that the Flat Rock Pump Station Replacement and the Conveyance System Rehabilitation projects both came in under projected budget, so the OJRSA had a little more money for this project. *Mr. McLane made a motion, seconded by Mr. Dial, to execute an agreement with Harper General Contractors. The motion carried.* 

2. Approve Executive Director to Execute Contract Amendment No. 1 with Harper General Contractors, Incorporated in the Amount to be Determined Later This Month, but at a Cost Not to Exceed Available SCIIP Grant Funds, for the Release and Authorization of Work for the Dewatering Upgrades Project as a Function of OJRSA Project #2024-06 as Recommended by KCI Technologies, Pending Funding Agency Approval. Final Cost Shall be Presented at the February 3, 2025 Board of Commissioners Meeting for Consideration and Authorization. – Mr. Barbian stated since this is a CMAR, the price and schedule is being done in Amendment #1. Harper is pricing up the 90% based on the value engineering and the scope adjustments. This number will be presented on January 30, 2025, and KCI wanted to get this before this committee before the February board meeting. It is imperative to keep on schedule for getting the SCIIP funds spent and have the construction completed by mid-2026. Mr. Eleazer recommended approving this as the OJRSA is on that tight schedule.

*Mr. McLane made a motion, seconded by Mr. Dial, to execute Contract Amendment #1 with Harper General Contractors. The motion carried.* 

- E) Executive Director's Report and Discussion The Executive Director reported on the following:
  - Environmental and Regulatory Compliance Matters The OJRSA received a couple more complaints on Monday and Tuesday regarding hydrogen sulfide odors. The Director asked Mr. Faires and Mr. McLane to provide the OJRSA with an update on the status of the chemical feed. Mr.

Faires replied that Chris Brabham is aware of that and goes by the area every day and has not smelled anything. Mr. Eleazer stated that OJRSA personnel didn't smell anything as well and wonders if the odor has to do with the pump starting and the filters in the manhole. Mr. Dial asked if the pumps at the pump station were on timers; Mr. Lindsay replied that they operate on float levels to start the pumps.

Mr. Eleazer added that the OJRSA is trying to obtain detectors for sulfides. Mr. Lindsay said he received an email from Hach yesterday, and they have scheduled a demo unit to be delivered January 26-28, 2025. This will be an inline sulfide meter.

Mr. Hinkle asked if anyone identified if this was at danger levels. Mr. Eleazer replied that it has been in danger level before (over 200 parts per million) in the manhole but not in the atmosphere.

Mr. Dial suggested emailing the graph from two to three (2-3) months ago showing the chemical feed data to Mr. Hinkle for him to review. Mr. Eleazer replied that it was mentioned at the Annual Members' Meeting that the odor was all but non-existent, and it is uncertain what has changed between then and now.

Mr. Hinkle said he understood hydrogen sulfide gas as he dealt with it working for the oil industry. He said many things affect it including weather. Mr. Eleazer said the OJRSA must get it in control, as one manhole already collapsed from degradation due to the hydrogen sulfide (which the manhole was replaced and the sewer line lined with a protective coating). Mr. Eleazer also spoke about how liquid lime costs will be included in the next fiscal year budget numbers for the Martin Creek Pump Station, because what is being currently used is not effective.

Mr. Eleazer spoke a little about some County Councilmen receiving odor complaints from that area and how odor meters (referred to as "bird feeders") were hung above the manholes approximately four to five feet (4-5') off the ground that reads in parts per billion to help identify where the odor issues are coming from. Mr. Lindsay added that if the OJRSA obtains a sulfide logger which will be inside the manhole, that will be a live reading which will show the odor timeframe.

Mr. Eleazer asked Mr. Faires and Mr. McLane if Seneca had looked at grease in the wet wells. Mr. McLane replied that he hadn't, and he would have to speak to Mr. Brabham. Mr. Faires added that this had been discussed. Mr. Eleazer said that is a likely culprit causing odors, and he doesn't believe Seneca has brought any grease here to the treatment plant.

Mr. Eleazer asked if Mr. Lindsay had any other regulatory issues to discuss. Mr. Lindsay replied that he is working on the final data for calendar year 2024 and is working on some additional numbers from Rogers & Callcott. He stated that there were some ammonia issues during the year, but it was determined that it was not the fault of the OJRSA and rather an error by Clearwater Solutions (the laboratory). Mr. Lindsay is getting ready to submit the data for the annual environmental awards. There were no violations for the plant for the year.

- OJRSA Sewer Use Regulation (SUR) Update A copy of an email from Kayse Jarman at the SC Department of Environmental Services (SCDES formerly SCDHEC) was distributed to the committee. She completed the review of the draft permit and all was satisfactory except for the four (4) items in the email. These items were forwarded to OJRSA attorney, Michael Traynham.
  - Item #1: The definition was already addressed.
  - Item #2: Currently the OJRSA has no option but to require receipt of paper copies of the DMRs from the industries with live signatures as a legal document. Should the EPA approve and allow the OJRSA to receive this information electronically in the future (considered as a legal document), this would remove the burden from Ms. Allison McCullough (OJRSA Regulatory Services Coordinator) who must transcribe the paper document into electronic format on the OJRSA end. Mr. Traynham made a few suggestions for language which were sent to Ms. Jarman for her consideration.
  - Item #3: Mr. Traynham addressed this.

Item #4: Mr. Traynham said that the OJRSA penalty is at \$2,000 per day which is above the stated \$1,000 per day minimum, and he feels this is sufficient. Mr. Traynham had a question about that which Mr. Eleazer stated he passed on to Ms. Jarman.

Mr. Eleazer added that once these issues are resolved and SCDES approves the SUR, the regulation will have to be put out for public notice before board approval.

**3.** EPA Recommended Criteria for PFOA, PFOS, and PFBS – An EPA Technical Fact Sheet was distributed to the committee. It is a draft copy of the "Human Health Ambient Water Quality Criteria for PFOA, PFOS, and PFBS" for contaminants of emerging concern. He stated the biggest takeaway is that some of the items are registered in the parts per trillion range, and it is unknown if there are approved methods for monitoring that. This will very likely impact future permits. The OJRSA is currently working under an expired permit with SCDES approval while awaiting the approval of the new permit. The OJRSA has been told there may be a placeholder in the new permit for PFAS or contaminants of emerging concerns where the permit may have to be opened up sometime in the next five-year period.

Mr. Eleazer stated that Hulsey, McCormick, and Wallace were on the front end of this and asked if Mr. Barbian had heard anything more on this. Mr. Barbian said he is working on a few projects with it, but most of the regulations that are being enforced are on the water plant (potable) side, but he can see it coming on the biosolids disposal and effluent side. He said he doesn't think it will be included on the permit that the OJRSA is awaiting on now, but it will most likely be on the following one. Mr. Lindsay stated that the OJRSA has already begun sampling for PFAS in the effluent, influent, and biosolids and he sends the samples to a lab in Georgia. Mr. Eleazer added it was suggested to begin quarterly monitoring.

#### 4. Miscellaneous (If Any):

<u>Mr. Hinkle</u> – Mr. Eleazer welcomed Mr. Hinkle to the board and the committee. The Director added that Mr. Hinkle had a lot to learn and expressed to Mr. Hinkle to feel free to ask any questions, set up a meeting with the Director, and/or schedule a plant tour.

<u>Called Executive Committee Meeting</u> – There will be a special Executive Committee meeting directly after this meeting to authorize OJRSA attorney, Lawrence Flynn, to move forward with the Ad Hoc Committee's recommendation to investigate statutory changes.

<u>Special Board Meeting</u> – As part of the Feasibility requirements that were adopted, the OJRSA's rate assessment and cost of service study must be completed by March 10, 2025 that Mr. Darryl Parker of Willdan Financial has been working on. Mr. Parker is not able to attend the February and March board meetings due to scheduling conflicts. Being this is a board matter (will involve rates and a model presentation that he will manipulate with potential projects), it needs to be done at a board meeting. With the March 10, 2025 deadline, and building the Fiscal Year 2026 budget, it may be necessary to have a special board meeting sometime in February. Mr. Eleazer stated he will have OJRSA Records Clerk, Amanda Kelley, reach out to all the board members to try and find a convenient date and time for this meeting.

#### F) Committee Members' Discussion - None.

#### **G)** Upcoming Meetings:

- 1. Finance & Administrative Committee Tuesday, January 28, 2025 at 9:00 a.m.
- 2. Board of Commissioners Monday, February 3, 2025 at 4:00 p.m.
- 3. Sewer Feasibility Implementation Ad Hoc Committee Thursday, February 13, 2025 at 9:00 a.m.
- 4. Operations & Planning Committee Wednesday, February 19, 2025 at 8:30 a.m.
- **H)** Adjourn The meeting adjourned at 9:20 a.m.

Notification of the meeting was distributed on January 10, 2025 to *Upstate Today, Anderson Independent-Mail, Westminster News, Keowee Courier,* WGOG Radio, WSNW Radio, City of Seneca Council, City of Walhalla Council, City of Westminster Council, Oconee County Council, SC DHEC, <u>www.ojrsa.org</u>, and posted at the OJRSA Administration Building.



## **Operations & Planning Committee Meeting**

OJRSA Operations & Administration Building Lamar Bailes Board Room January 15, 2025 at 8:30 a.m.

OJRSA commission and committee meetings may be attended in person at the address listed above. The OJRSA will also broadcast meetings live on its YouTube channel at <u>www.youtube.com/@OconeeJRSA</u> (if there is a technical issue preventing the livestreaming of the meeting, then a recording will be published on the channel as soon as possible). For those not able to attend in person, then the OJRSA Board or Committee Chair will accept public comments by mail (623 Return Church Rd, Seneca, SC 29678) or at <u>info@ojrsa.org</u>. Comments must comply with the public session instructions as stated on the meeting agenda and will be received up until one hour prior to the scheduled meeting. If there is not a public session scheduled for a meeting, then comments shall not be accepted.

## Agenda

## A. Call to Order – Bob Faires, Committee Chair

- **B. Public Session** Receive comments relating to topics on this agenda. Session is limited to a maximum of 30 minutes with no more than 5 minutes per speaker.
- C. Presentation and Discussion Items [May include vote and/or action on matters brought up for discussion]
   Update on current projects (Exhibit A) Chris Eleazer, Director

#### D. Action Items to Recommend to the Board for Consideration

- Approve Executive Director to execute agreement with Harper General Contractors, Incorporated for no fee to establish the contract terms for the CMAR contract as a function of OJRSA Project #2024-06 as recommended by KCI Technologies, pending funding agency approval – Steve Barbian, KCI Technologies and Chris Eleazer, Director
- 2. Approve Executive Director to execute Contract Amendment No. 1 with Harper General Contractors, Incorporated in the amount to be determined later this month, but at a cost not to exceed available SCIIP Grant funds, for the release and authorization of work for the Dewatering Upgrades project as a function of OJRSA Project #2024-06 as recommended by KCI Technologies, pending funding agency approval. Final cost shall be presented at the February 3, 2025 Board of Commissioners meeting for consideration and authorization. – Steve Barbian, KCI Technologies and Chris Eleazer, Director
- E. Executive Director's Discussion and Compliance Matters Chris Eleazer, Director
  - 1. Environmental and regulatory compliance matters
  - 2. OJRSA Sewer Use Regulation update
  - 3. EPA Recommended Criteria for PFOA, PFOS, and PFBS
  - 4. Miscellaneous (if any)
- F. Committee Members' Discussion Led by Bob Faires, Committee Chair Discussion can be related to matters addressed in this meeting or for future consideration by the Board or Committee. Voting is not permitted during this session.
- G. Upcoming Meetings All meetings to be held in the OJRSA Lamar Bailes Board Room unless noted otherwise.
  - Finance & Administration Committee January 28, 2025 at 9:00 a.m.
  - Board of Commissioners February 3, 2025 at 4:00 p.m.
  - Sewer Feasibility Implementation Ad Hoc Committee February 13, 2025 at 9:00 a.m.
  - Operations & Planning Committee February 19, 2025 at 8:30 a.m.
- H. Adjourn



Operations &	Planning Committee S	ign-in Sheet
Date: 1/15/25 Time: 8	30am Location: We	TP Board Room
NAME (Print)	POSITION/TITLE	ORGANIZATION
NAME (Print) Steve Barbian NOTA Cannods	Project Manager The Joural	KCT Technologies The Doug
		1
		5

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## CONSENT ORDER ENGINEERING AND OPERATIONS AND MAINTENANCE TASKS

						0&N	A PROJECT MILES	TONES			
Row #	FY 2025 O&M Project (Project # (if applicable); PM) <u>CANNOT CARRY OVER TO NEXT FISCAL YEAR WITHOUT</u> BUDGET APPROVAL	Approx % Complete	Anticipated Completion	Budget/PO/ Contract Amount (\$)	Bids/RFQ/etc. Issue/Advertised	Req/Contract Signed	Started Work	Completed	Obligated/ Spent (\$)	Budget Remaining (\$)	<b>GL Code</b> (XXXXX = get from Office Mgr)
1	Consent Order 21-025-W Project: Biannual Compliance Report (CE)	100%	11/9/2024	N/A	N/A	N/A	N/A	11/8/2024	0	0	N/A
2	GIS Update and Upgrade (CE)	100%	11/10/2024	32,000	N/A	7/30/2024	8/1/2024	12/18/2024	34,761	(2,761)	Con Sys: Prof Svcs 601-02430
3	For Feasibilty Study: Establish Sewer Feasibility Implementation Ad Hoc Committee (CE)	100%	11/13/2024	0	N/A	N/A	9/9/2024	11/4/2024	0	0	N/A
4	For Feasibilty Study: Legal counsel prepare new governance and consolidation evaluations (CE)	100%	12/6/2024	0	N/A	N/A	9/10/2024	11/26/2024	0	0	Admin Services 501-02420
5	For Feasibilty Study: Financial/Rate Cost of Service Study (CE)	<mark>50</mark> %	3/10/2025	29,800	N/A	N/A	10/21/2024		16,390	13,410	Admin Services 501-02420
6	For Feasibilty Study: Ad Hoc Committee to Report to Board and County its Recommendations (CE)	0%	5/13/2025	0	N/A	N/A			0	0	N/A
7	ISS PS Generator Installation (MD)	0%	3/31/2025						0	0	Conv Sys R&M: PS 601-05090
8	Coneross Creek PS Pump Control Upgrade (MD)	0%	4/30/2025		N/A Prof Services				0	0	Con Sys R&M: PS 601-05030
9	Martin Creek PS Pump Restraint System (MD)	100%	3/31/2025	35,000	In-kind replacement	2/9/2024	7/30/2024	7/30/2024	32,017	2,983	Con Sys R&M: PS 601-05100
10	Martin Creek Storage Aerator Motor Replacement (MD)	0%	4/25/2025	Waiting for other costs	N/A OEM Equip/Svc				0	0	Con Sys R&M: PS 601-05100
11	Pelham Creek PS Manual Transfer Switch Installation (MD)	0%	4/30/2025	24,134	9/11/2024	11/6/2024			0	24,134	Con Sys R&M: PS 601-05120
<del>12</del>	Perkins Creek PS Wet Well Cleanout (KL, MD)	<del>0%</del>	<del>12/15/2024</del>	<del>N/A</del>	<del>N/A</del>	<del>N/A</del>	<del>N/A</del>	<del>N/A</del>	θ	θ	<del>Con Sys R&amp;M: PS</del> <del>601-05130</del>
13	<b>Richland Flow Meter Station Electrical Rewiring</b> (MD)	0%	4/30/2025	13,000	9/4/2024	11/13/2024			0	13,000	Con Sys R&M: FMS 601-04030
14	Paint Flow Meter Stations (MD)	0%	5/30/2025						0	0	Con Sys Bldgs & Grnds 601-02550
15	Martin Creek PS/FM H2S Control ENGINEERING AND PERMITTING (KL)	0%	FY 2026						0	0	Con Sys R&M: PS 601-05100
16	Southern Oconee Sewer PS/FM H2S Control STUDY (CE,KL)	0%	1/31/2025	22,500	N/A	10/31/2024			9,825	12,675	Retail O&M: Prof Svcs 1301-02430
17	Martin Creek PS Basin and Southern Westminster Trunk Sewer CCTV/Clean (KL, CE)	100%	12/20/2024	264,202	6/6/2024	8/6/2024	8/6/2024	9/19/2024	237,926	26,276	Con Sys: Prof Svcs 601-02430
18	Seneca Creek FM Replacement Constr Administration/Inspect (#2023-05; CE, KL)	0%	TBD	140,000	N/A	4/29/2024			0	140,000	O&M CIP: Con Sys 1401-06071
19	WRF Replace Disinfection System Lightning Mixer (JM)	0%	5/30/2025	Waiting for other costs	12/4/2024	12/4/2024			0	0	WRF R&M 701-03000
20	WRF Util Water Pump (1 unit only)/Valve, Flow Eq Flow Control, RAS/WAS Pump/Mag Meter/Valve Install (JM)	0%	5/30/2025	362,100	<b>RFB #2025-05</b> 11/1/2024	1/8/2025	1/8/2025		0	362,100	WRF R&M 701-03000
21	WRF Waterproofing Admin Building Roof/Walls and Chloring Building Roof (KL)	0%	2/28/2025	125,145	<b>RFB #2025-07</b> 11/18/2024	1/9/2025			1,950	123,195	Admin Contingency 501-02440

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## 1/13/2025 15:26

## CONSENT ORDER ENGINEERING AND OPERATIONS AND MAINTENANCE TASKS

22	WRF Paving Around Biosolids Storage Pad and Solids Processing Building (KL)	0%	5/30/2025	31,500	12/6/2024				0	31,500	WRF Bldgs & Grnds 701-02550
23	WRF Tank & Wet Well Clanouts (Primary Splitter Box and Digester #1) (JM)	0%	2/28/2025	40,680	<b>RFB #2025-04</b> 10/24/2024	12/16/2024			0	40,680	WRF R&M 701-03000
24	WRF Replace/Paint Walkway Handrails (continued from FY 2024) (JM)	100%	11/30/2024	N/A	N/A	N/A	As time allows	As time allows	N/A	N/A	WRF R&M 701-03000
25	WRF Digesters/Solids Handling Tanks Grinder Rebuild (MD)	100%	10/31/2024	17,000	8/26/2024	8/26/2024	9/30/2024	10/4/2024	16,999	1	WRF R&M 701-03000
26	WRF Biological Reactor Basin Oxic Zone Gearbox Replacement (JM)	0%	5/30/2025	Waiting for other costs	12/4/2024	12/4/2024			0	0	WRF R&M 701-03000
		тс	TAL AWARDED	1,137,061		TOTAL FUN	DS OBLIGATED/A	CTUAL TO DATE:	349,868	787,193	TOTAL AWARDED

## 1/13/2025 15:26

BUDGET REMAINING

#### **CONSENT ORDER ENGINEERING AND OPERATIONS AND MAINTENANCE TASKS**

	FY 2025 O&M Project (Project # (if applicable); PM)		
Row	CANNOT CARRY OVER TO NEXT FISCAL YEAR WITHOUT	Comp. Performing	
#	BUDGET APPROVAL	(and Project Mgr)	Notes
1	Consent Order 21-025-W Project: Biannual Compliance	OJRSA	DUE TO SCDES EVERY SIX MONTHS. Reports submitted: 11/14/2021, 5/9/2022, 11/10/2022, 5/9/2
1	Report (CE)	Chris Eleazer	SCDES. COMPLETE. Next report due 5/10/2025.
2	GIS Update and Upgrade (CE)	Weston & Sampson	Project to begin updating OJRSA, Satellite Sewer System, and other User assets and information for
		Danny Gant	9/18: Met with D Gant to review easement progress. 11/22: Progress meeting with D Gant.
3	For Feasibilty Study: Establish Sewer Feasibility	OJRSA	10/7: Discussed at board meeting. Will consider committee at next meeting. 11/4: List approved b
	Implementation Ad Hoc Committee (CE)	Chris Eleazer	Ammons and Sophia Mazza with RIA on 11/13. First meeting to be held 12/2.
4	For Feasibilty Study: Legal counsel prepare new	OJRSA	9/10: Authorized Pope Flynn (L Flynn and Gary Pope) to begin development of new governance agr
	governance and consolidation evaluations (CE)	Chris Eleazer	multi-county organization. 11/26: Received from Pope Flynn. COMPLETE. 12/2: Shared memo with
5	For Feasibilty Study: Financial/Rate Cost of Service	Willdan	12/4: Reviewed model with D Parker and A Mettlen. Will schedule time for it to be presented to Bo
	Study (CE)	Daryll Parker	
6	For Feasibilty Study: Ad Hoc Committee to Report to	Ad Hoc Comm	
	Board and County its Recommendations (CE)	Comm Chair	
7	ISS PS Generator Installation (MD)	OJRSA	OJRSA staff will perform the moving because others wanted too much to do it. Will need to determ
		OJRSA Maint	considering making it a portable generator. KL to speak with A Maddox to find out how to make the
8	Coneross Creek PS Pump Control Upgrade (MD)	Border States	8/6: Will need to bid. 9/3: Install evaluated several weeks ago, waiting on quote. 9/17: Expect qu
		Stuart Reynolds	look at site. 11/5: Still waiting for update. 12/11: Waiting on revised quote.
9	Martin Creek PS Pump Restraint System (MD)	TBD	Ordered during FY 2024 but did not receive until FY 2025. 7/15/2024: Ordered as in-kind unit with
10	Martin Creek Storage Aerator Motor Replacement (MD)	OJRSA	11/4: Sole source because of original equipment replacement. OJRSA will perform work. 12/11: O
10		OJRSA Maint	motor, need to rent crane. 1/7/2025: Motor to be delivered tomorrow. Likely need to contract ou
11	Pelham Creek PS Manual Transfer Switch Installation	Mason Electric	9/3: Staff met with electrician last week to get quote. 9/17: Waiting on 1 more quote and availabi
	(MD)	TBD	installation. 12/11: Ordered. We purchased ATS for WW Williams (5,664). Mason will do install (\$
12	Perkins Creek PS Wet Well Cleanout (KL, MD)	TBD	8/6: Will need to bid. Will do with splitter box and digeter #1. 9/3: KL nearly complete with RFB.
			perform and money will be better spent on Coneross PS. <b>REMOVED</b> .
13	<b>Richland Flow Meter Station Electrical Rewiring</b> (MD)	Davis Power	9/3: Staff met with electrician last week to get quote. 9/17: Waiting on 1 more quote. 11/5: Appl
		TBD	begin work.
14	Paint Flow Meter Stations (MD)	TBD	9/3: Waiting on quotes. 9/17: Need 2 more quotes. 11/5: Still waiting on quotes. 12/11: Met wi
15	Martin Creek PS/FM H2S Control ENGINEERING AND	Garver	9/3: KL to reach out to Garver for next steps. 9/17: Need to determine permanent fix to this and v
	PERMITTING (KL)	Will Nading	Spoke with W Nading and he is putting together scope. 11/4: OJRSA will need to publicly solicit wo
16	Southern Oconee Sewer PS/FM H2S Control <u>STUDY</u>	Garver	Project #2025-06 10/23: Spoke with W Nading, he will remove 'draft' from proposal and resend for
	(CE,KL)	Will Nading	Garver. 90 days to completion per doc. 12/11: Garver has visited sites.
17	Martin Creek PS Basin and Southern Westminster Trunk	Secure Sewer & Svc	9/19: Received all information. Will review internally to confirm all deliverables received. 10/1: All
	Sewer CCTV/Clean (KL, CE)	Michael Bevelle	finish inspecting manholes and smoketest. 12/5: Finished additional work.
18	Seneca Creek FM Replacement Constr	GMC	Reimbursible by Fountain Residential Properties LLC per agreement. 10/30: B Little trying to procur
	Administration/Inspect (#2023-05; CE, KL)	Michael Knapp	Easement for force main.
19	WRF Replace Disinfection System Lightning Mixer (JM)	OJRSA	9/17: Need updated quote for this and WRF BRB Oxic Zone Motor Replacement. 10/14: Receive u
		OJRSA Maint	cost. 12/11: Ordered and expect to receive in February. \$44,432. Still need motor, which is easy to
20	WRF Util Water Pump (1 unit only)/Valve, Flow Eq Flow	TBD	1/8/2025: Board approved earlier in week, executed agreement. 1/10: Longer lead items have be
	Control, RAS/WAS Pump/Mag Meter/Valve Install (JM)		To be funded with ORM Contingency 12/2. Dre bid repeting held 12/4. Addendum #4 issued 14
21	WRF Waterproofing Admin Building Roof/Walls and	BEE Group	To be funded with O&M Contingency. 12/3: Pre-bid meeting held. 12/4: Addendum #1 issued. 1/
	Chloring Building Roof (KL)	Rick Cook	contingency of NTE\$15,000. Will execute contract.

## 1/13/2025 15:26

/2023, 11/9/2023, 5/10/2024. 11/8: Submitted to

or asset management and compliance purposes.

by Board. COMPLETE. Update sent to Bonnie

greement as well as consolidation with another with Ad Hoc Committee.

board. To be discussed at F&A Comm meeting in Dec.

mine what project will require for installation. We're his happen.

quote later today. 10/8: Border States came out to

new pump head assembly. 7/30: **COMPLETE** 

Ordered. Expected to arrive in January. \$11,243 for out install.

bility. 11/4. Approved low bid for equipment and \$18,470).

9/17: After further evaluation, do not need to

proved low bid. 12/11: Waiting on contractor to

with painters for stations.

where it goes in overall OJRSA priority list. 10/10: vork (est. \$140,000)

for signature. 10/31: Sent signed agreement to

All contracted work is complete. OJRSA staff have to

ure contractor. 11/4: Board approved Corrective

updated quote but it did not include upper bearing to get.

een ordered by Cove.

1/6/2025: Board approved \$110,145 plus owner

#### CONSENT ORDER ENGINEERING AND OPERATIONS AND MAINTENANCE TASKS

ſ	22	WRF Paving Around Biosolids Storage Pad and Solids	TMS Asphalt	9/3: Waiting to hear back with quote. 9/17: May need this money for dewatering project concrete
	22	Processing Building (KL)	TBD	come see site. Will need to begin again. 12/11: Have 3 quotes, will award soon.
	22	WRF Tank & Wet Well Clanouts (Primary Splitter Box	Greenstone Const	10/18: KL finalizing draft solicitation for bid. 10/24: Ad on SCBO. 11/26: Issued Addendum #1. 12
	25	and Digester #1) (JM)	TBD	Construction. 12/16: Contract executed.
	24	WRF Replace/Paint Walkway Handrails (continued	TBD	8/6: Purchased more paint. 10/14: Front end of plant complete. Now painting some items on back
	24	from FY 2024) (JM)	שפו	
	25	WRF Digesters/Solids Handling Tanks Grinder Rebuild	TBD	8/6: Getting updated quotes. 9/3: Has been ordered. 9/17: Rebuild kit arrived last week. 10/4: C
	25	(MD)	עסו	
	26	WRF Biological Reactor Basin Oxic Zone Gearbox	OJRSA	9/17: Need updated quote for this and WRF Disinfection System Lightning Mixer. 10/14: KL to review
	20	Replacement (JM)	OJRSA Maint	which is easy to get.

## 1/13/2025 15:26

ete. 10/14: KL cannot get anyone to return calls or

12/4: Received bids. Low bid--Greenstone

ck end of plant.

## COMPLETE.

eview. 12/11: Ordered. \$42,187. Still need motor,

#### FY2025 RESTRICTED FUND PROJECTS

#### PROJECTS MAY CARRY ACROSS BUDGET YEARS

Row #         Restricted Fund Project (Project Manager)         OJRSA Project #         Approx % Complete         Anticipated Completion         Max Funding Amount (S)         Max Funding by Others (S)         PO/Contract Signed         PO/Contract Signed <th>RESTRICTED FUND PROJECT N</th>	RESTRICTED FUND PROJECT N
#       Restricted Fund Projects (Project Manager)       Project #       Completio       Amount (\$)       by Others (\$)       Amount (\$)       issue/Advertised       Signed       Started Work       Completed       (\$)       Remaining (\$)       from Office Mgr)       (and Project Marger)         A       Consent Order SSES/Rehab 2022 CONSTRUCTION SCIIP MATCH (CE, KL)       2024-02       100%       4/30/2024       351,291       0       351,291       7/28/2023       10/17/2023       12/4/2023       7/15/2024       316,577       34,714       PROJ & CONT 1501-09008       Tugaloo Pipe C Hare         B       Consent Order SSES/Rehab 2023 CONSTRUCTION SCIIP MATCH (CE, KL)       2024-02       351,291       0       351,291       7/28/2023       10/17/2023       12/4/2023       7/15/2024       316,577       34,714       PROJ & CONT 1501-09008       Tugaloo Pipe C Hare         C       Consent Order SSES/Rehab 2023 CONSTRUCTION SCIIP MATCH (CE, KL)       2024-08       8/31/2025       398,000       0       398,000       N/A       9/15/2023       10/3/2023       182,251       215,749       PROJ & CONT 1501-09009       Project MK Dickson Project MK Dickson Scilp GRANT (CE, KL)       0       5,478,319       4,076,461       8/14/2024       11/20/204       11/20/24       10/3/2025       0.0       30,000       PROJ & CONT 1501-09001       Kic	OJRSA
A         Consent Order SSES/Rehab 2022 CONSTRUCTION SCIIP MATCH (CE, KL)         2024-02         100%         4/30/2024         351,291         0         351,291         7/28/2023         10/17/2023         12/4/2023         7/15/2024         316,577         34,714         PROJ & CONT 1501-09008         Tugaloo Pipe E d Hare           B         Consent Order SSES/Rehab 2023 ENGINEERING SCIIP MATCH (CE, KL)         2024-02         100%         4/30/2024         351,291         0         351,291         7/28/2023         10/17/2023         12/4/2023         7/15/2024         316,577         34,714         1501-09008         E d Hare           B         Consent Order SSES/Rehab 2023 ENGINEERING SCIIP MATCH (CE, KL)         2024-08         2024-08         75%         8/31/2025         398,000         0         398,000         N/A         9/15/2023         10/3/2023         182,251         215,749         PROJ & CONT         WK Dickson Priva Verraw           C         Consent Order SSES/Rehab 2023 CONSTRUCTION SCIIP GRANT (CE, KL)         0%         8/31/2025         0         5,478,319         4,076,461         8/14/2024         11/20/2024         0         4,076,461         PROJ & CONT         Frank Brink Bio-Nomic Ser           D         Dewatering Equipment Replacement         ENGINEERING SCIIP MATCH (KL)         2024-06         75% <t< th=""><th>Funding Max Funding PO/Contract Bids/RFQ/etc. PO/Contract</th></t<>	Funding Max Funding PO/Contract Bids/RFQ/etc. PO/Contract
A         SCIP MATCH (CE, KL)         2024-02         100%         4/30/2024         351,291         0         351,291         7/28/2023         10/17/2023         12/4/2023         7/15/2024         316,577         34,714         1501-09008         Ed Hare           B         Consent Order SSES/Rehab 2023 ENGINEERING SCIP MATCH (CE, KL)         Page 2024-02         N/A         9/15/2023         10/17/2023         10/3/2023         10/3/2023         34,714         1501-09008         Ed Hare           B         Consent Order SSES/Rehab 2023 CONSTRUCTION SCIP GRANT (CE, KL)         Page 2023         0         N/A         9/15/2023         10/3/2023	Amount (S)         by Others (S)         Amount (\$)         Issue/Advertised         Signed         Started Work
SCIIP MATCH (CE, KL)SCIIP GRANT (CE, KL)SCIIP MATCH (KL)SCIIP GRANT (CE, KL)SCIIP MATCH (KL)SCIIP MATCH (KL)SCII	
B         SCIIP MATCH (CE, KL)         2024-08 $3/3/2025$ $3/3/2025$ $3/3/2025$ $3/3/2025$ $3/3/2023$ $10/3/2023$ $1$	331,291         0         331,291         7/28/2025         10/17/2025         12/4/2025
SCIIP MATCH (CE, KL)         2024-08         2024-08         2024-08         2024-08         2024-08         2024-08         2024-08         2024-08 $\sqrt{1501-09009}$ Priva Verrave           C         Consent Order SSES/Rehab 2023 CONSTRUCTION SCIIP GRANT (CE, KL)         Consent Creation (CE, KL) $\sqrt{1501-09009}$ $\sqrt{1501-09009}$ Priva Verrave $\sqrt{1501-09009}$ Priva Verrave $\sqrt{1501-09009}$ Priva Verrave $\sqrt{1501-09009}$ Priva Verrave           D         Dewatering Equipment Replacement ENGINEERING SCIIP MATCH (KL) $\sqrt{1501-09011}$ <	
C       Consent Order SSES/Rehab 2023 CONSTRUCTION SCIIP GRANT (CE, KL)       O       8/31/2025       0       5,478,319       4,076,461       8/14/2024       11/20/2024       0       9/0.0 <t< th=""><th>398,000 0 398,000 N/A 9/15/2023 10/3/2023</th></t<>	398,000 0 398,000 N/A 9/15/2023 10/3/2023
SCIIP GRANT (CE, KL)         SCIIP GRANT (CE, KL)         Sciip GRANT (CE, KL)         Phase II         Phase II <th></th>	
D       SCIIP MATCH (KL)       2024-06       75%       6/30/2026       440,300       0       440,300       9/15/2023       1/11/2024       1/11/2024       179,625       260,675       1501-09011       Tom Volim         F       Dewatering Equipment Replacement       5%       PHASE II       0       2 800 000       30 000       3/22/2024       7/30/2024       7/26/2024       0       30 000       PROJ & CONT       Harper GO	0 5,478,519 4,070,401 8/14/2024 11/20/2024
SCIIP MATCH (KL)         2024-06         6/30/2026         6/30/2026         1501-09011         Tom Volum           F         Dewatering Equipment Replacement         5%         PHASE II         0         2 800 000         3/22/2024         7/30/2024         7/26/2024         0         30 000         PROJ & CONT         Harper GO	
E Dewatering Equipment Replacement PROJ & CONT Harper GO	440,300 0 440,300 3/13/2023 12/13/2023 1/11/2024
CONSTRUCTION SCIIP GRANT (KL) 6/30/2026 0 2,800,000 30,000 3/22/2024 7/30/2024 7/20/2024 0 1501-09011 Justin Jone	
	0 2,800,000 30,000 3/22/2024 7/30/2024 7/20/2024
Exit 4/Oconee Manufacturing Park ("Sewer South     TBD     98%     11/1/2024     0     0     N/A OCONEE     N/A OCONEE     Sometime in       0     0     0     0     0     0     0     0     0     Thomas & Hu	N/A OCONEE N/A OCONEE N/A OCONEE Sometime in
Phase III") PS/Sewer ENGINEERING (CE)	CO PROJ CO PROJ CO PROJ 2022
G Flat Rock PS Replacement ENGINEERING/CONST 2022-03 100% 10/23/2024 177,800 0 177,800 2/14/2022 7/5/2055 7/1/2022 10/10/2024 151,548 26,252 PROJ & CONT KCI Technolo	
SVCS         SCIP MATCH (CE)         Z022-05         10/23/2024         177,800         0         177,800         2/14/2022         7/3/2035         7/1/2022         10/10/2024         131,348         20,232         1501-09005         Tom Vollm	177,800 0 177,800 2/14/2022 7/5/2055 7/1/2022
H Flat Rock PS Replacement CONSTRUCTION SCIIP 2024-03 100% 9/30/2024 0 1,321,656 6/7/2023 8/29/2023 3/25/2024 8/27/2024 1,321,656 0 PROJ & CONT Cove Utiliti	0 1 221 656 1 221 656 6/7/2022 8/20/2022 2/25/2024
GRANT (CE) 1501-09005 Jeff Caffer	0 1,321,030 1,321,030 0/7/2023 8/23/2023 3/23/2024
Oconee County & Western Andeson County Sewer         2022-01         100%         6/3/2024         217,800         100,000         317,800         N/A         8/9/2023         9/12/2023         7/1/2024         317,476         324         PROJ & CONT         Westorn & Same	
Master Plan (CE)	217,800 100,000 317,800 N/A 879/2023 9/12/2023
J       Regional Sewer Feasibility Study RIA GRANT (CE)       2024-01       100%       11/29/2024       0       100,000       5/26/2023       10/10/2023       11/8/2023       9/9/2024       100,000       0       PROJ & CONT       WK Dickson	
<b>2024-01 100</b> /0 <b>11</b> /25/2024 0 <b>100</b> /00 <b>100</b> /000 <b>3</b> /20/2025 <b>10</b> /10/2025 <b>3</b> /5/2024 <b>100</b> /000 0 <b>1501-09010</b> Angie Mett	0 100,000 100,000 372072023 1071072023 117072023
Sewer South Phase II ENG/INSPECT SVCS COUNTY         2019-XX         99%         10/31/2024         0         480,850         Inherited from         5/4/2023         5/4/2023         5/4/2023         5/4/2023         10/31/2024         Davis & Flo	0 480 850 480 850 Inherited from 5/4/2022 5/4/2022
<b>FUNDED</b> ( <i>CE</i> )	Oconee Co
L Sewer South Phase II CONSTRUCTION 2023-06 99% 10/31/2024 0 12,311,447 11,687,329 9/27/2022 3/23/2023 6/1/2023 11,003,413 683,916 SSF: CIP Kevin Moorh	
<b>EDA/RIA/COUNTY FUNDED</b> ( <i>CE</i> )	0 12,511,447 11,007,525 5/27/2022 5/25/2025 0/1/2025
Martin Creek PS Basin Trunk Sewer CCTV Engineer         2025-03         90%         3/31/2025         96,000         Consent Order         9/30/2024         15,560         80,440         PROJ & CONT         Priva Verrav	Consent Order
Review (KL, CE)	90,000 Prof Svcs
Southern Westminster Basin Trunk Sewer CCTV         2025-03         90%         3/31/2025         76,000         0         76,000         Consent Order         9/30/2024         11,104         64,896         PROJ & CONT         Priva Verrav	76 000 0 76 000 Consent Order 9/30/2024
N         Engineer Review (KL, CE)         2025-03         50/2         5/31/2023         70,000         0         70,000         9/30/2024         11,104         64,896         1501-09012         WK Dickso	Prof Svcs 5/30/2024
Martin Crk PS Basin Flow Study and Compare to         2025-03         0%         3/31/2025         45,000         Consent Order         9/30/2024         2,667         42,333         PROJ & CONT         Priva Verrav	45 000 0 45 000 Consent Order 9/20/2024
O         Perkins Crk PS Basin to Quantify I/I (CE)         2025-05         0%         3/31/2025         43,000         0         43,000         Prof Svcs         9/30/2024         2,007         42,555         1501-09013         WK Dickso	43,000 Prof Svcs 5/30/2024
P Speeds Creek PS Force Main Replacement 0% TBD	
P     ENGINEERING (CE, KL)     TBD     TBD     TBD	
Q     Speeds Creek PS Force Main Replacement     D%     TBD     PROJ & CONT	
CONSTRUCTION (CE, KL)	
<b>0% 0</b> % <b>0</b>	
1,802,191 22,592,272 19,598,487 TOTAL RESTRICTED FUNDS OBLIGATED/ACTUAL TO DATE: <b>13,986,281 5,612,206</b> TOTAL AWARDED	1,802,191 22,592,272 19,598,487 TOTAL RESTRICTED FUNDS OBLIGATED/ACT

#### 1/13/2025 15:26

BUDGET REMAINING

## FY2025 RESTRICTED FUND PROJECTS

Row		
#	Restricted Fund Projects (Project Manager)	Notes
	Consent Order SSES/Rehab 2022 CONSTRUCTION	Carryover from FY 2023 OJRSA CONG: \$40,000. 5/20: COMPLETE. Used \$6,785.98 of budgeted/approved Owner Contingency for additional concrete
A	SCIIP MATCH (CE, KL)	work on final repair.
в	Consent Order SSES/Rehab 2023 ENGINEERING	PO/Contract Amount includes \$700,000 owner contingency 10/24: Signed and sent Notice to Award to Bio-Nomic. 11/5: Contractor submitted COI.
D	SCIIP MATCH (CE, KL)	Waiting on performance bonds. 11/7: Setting up pre-con meeting for mid-November. Construction to start early 2025. 11/20: Pre-con held today.
с	Consent Order SSES/Rehab 2023 CONSTRUCTION	NTP for 1/2/2025. Bio-Nomic to send out construction schedule and shop drawings for engineer review.
Ľ	SCIIP GRANT (CE, KL)	
D	Dewatering Equipment Replacement ENGINEERING	11/4: 60% completion should be complete by end of week. Cost around \$3.8-3.9M currently and will operate 100% of current plant's rating. 11/7:
	SCIIP MATCH (KL)	Authorized KCI to use \$3,000 of project contingency for redoing layout for Schwing presses. 12/2: Signed Construction Permit Application, etc.
E	Dewatering Equipment Replacement	1/6/2025: Received 90% plans, Jackson Electric visited site to assess.
	CONSTRUCTION SCIIP GRANT (KL)	
- E	Exit 4/Oconee Manufacturing Park ("Sewer South	9/23: Received revision. Need to begin working on an agreement. 10/8: Approved all plans. Need info from T&H. Sent Lee Brackett email for info.
	Phase III") PS/Sewer ENGINEERING (CE)	1/6/2025: T&H submitted const permit app to SCDES.
G	Flat Rock PS Replacement ENGINEERING/CONST	9/3: Rain over weekend caused washing. Contractor to better stabilize area. 9/17: Cove/KCI have identified some solutions for stabilization. 9/18:
	SVCS SCIIP MATCH (CE)	Received SCDES Permit to Operate. Need record drawings, electronic files, site stabilitation completion, etc. 10/10: Received final engineering
н	Flat Rock PS Replacement <u>CONSTRUCTION</u> SCIIP	invoice. 10/14: Received GIS information. COMPLETE. Retained approx. \$26,252 for PM and inspection funds not used, making OJRSA funding
	GRANT (CE)	amount \$151,548.
	Oconee County & Western Andeson County Sewer	To continue under #2022-01 (Fair Play and Townville Area Sewer Basin Plan). 6/26: Provided W&S comments on draft. Have received 1/2 of "grant"
	Master Plan (CE)	for study. 7/1: Presentated to Board and report finalized and put on website. 8/5: Board adopted. <b>COMPLETE</b> .
L	Regional Sewer Feasibility Study RIA GRANT (CE)	8/5: Presented to Board as draft. Needs to be finalized. Will be considered 9/9. 9/9: Board approved. Next phase is implementation. This will be
		tracked in FY2025 O&M Projects. <b>COMPLETE</b> . 10/31: Received RIA Grant Close Out Letter.
ĸ	Sewer South Phase II ENG/INSPECT SVCS COUNTY	10/29: Contract complete but project not. D&F waiting on record drawings from contractor in order to get SCDES Permit to Operate. 11/6: SCDOT
	FUNDED (CE)	Permit closed out. 12/4: Moorhead (J Brooks) sent as-built drawings to Davis & Floyd, paused liquidated damage assessment. 12/19: Received SCDES
L	Sewer South Phase II CONSTRUCTION	Approval to Place Into Operation (Premit to Operate)! Moorhead will need to connect Welcome Center to new pump station after SCPRT applies for
	EDA/RIA/COUNTY FUNDED (CE)	service with Pioneer.
м	Martin Creek PS Basin Trunk Sewer CCTV Engineer	1/2/2025: KL to see if it is complete or if they still need smoke test info. Need to now look at flow study analysis. 1/9: Received prelim report from
	Review (KL, CE)	WKD. Will review and provide comments.
N	Southern Westminster Basin Trunk Sewer CCTV	10/24: All CCTV and manhole data provided to engineer. 11/7: WKD began spot checking data. 12/12: Waiting on missing CCTV data and smoke test
	Engineer Review (KL, CE)	results. 1/2/2025: Engineer now has all CCTV data. They still need smoke testing.
0	Martin Crk PS Basin Flow Study and Compare to	11/7: WK Dickson waiting on "frequent" storm for I/I analysis. TS Helene will be considered Act of God and not appropriate to use for study. 12/12:
	Perkins Crk PS Basin to Quantify I/I (CE)	Rainfall event on 12/10 considered first qualifying event. WKD continuing to monitor flow meters.
Р	Speeds Creek PS Force Main Replacement	<b>CONSENT ORDER ITEM</b> 7/15/2024: As identified in the 20 Year Master Plan, this force main should be replaced with similar sized pipe.
	ENGINEERING (CE, KL)	
Q	Speeds Creek PS Force Main Replacement	
	CONSTRUCTION (CE, KL)	

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## Chris Eleazer

From:	Kayse B. Jarman <kayse.jarman@des.sc.gov></kayse.jarman@des.sc.gov>
Sent:	Monday, January 13, 2025 14:56
To:	Chris Eleazer
Cc: Subject:	MTraynham@maynardnexsen.com; Daniel S. Nicholas; Sonya Harrison; Allison McCullough Re: OJRSA Sewer Use Regulation

## Chris

I have provided the following comments from my review of the OJRSA Sewer Use Regulation. Please let me know if you have any questions.

- 1. Section 2.3, Definitions, Approval Authority. Please revise to "Department of Environmental Services".
- 2. Section 6.4, Periodic Compliance Reports, B.1. The submission of electronic DMRs is only allowed after approval of OJRSA's CROMMER by the EPA. The Department is not aware of OJRSA having received approval from the EPA. Please remove mention of electronic reporting of pretreatment documents until which time OJRSA has received approval from EPA. This also applies to Section 6.4.B.4.
- 3. Section 6.8, Notice of Violation/Repeat Sampling and Reporting. Please refer to R.61-9.403.12(g)(2) for language concerning resampling procedures including exclusions and make the appropriate revisions.
- 4. Section 8.6, Penalties, Fee, and Cost Recovery For Violations, C.1. Per R.61-9.403.8(f)(1)(v)(A), All POTWs shall have the authority to seek or assess civil or criminal penalties in at least the amount of \$1000 a day for each violation by Industrial Users of Pretreatment Standards and Requirements. Please revise this section to include the ability to seek or assess this minimum penalty amount.

This concludes my review of the Sewer Use Regulations for OJRSA. Please let me know if you have any questions.

Thanks Kayse

\*\*Please note my new email address with the SC Department of Environmental Services (SCDES), which launched as a new state agency on July 1, 2024. While my old DHEC email will direct to me for a while, please update your address book with my new SCDES contact information.\*\*

## Kayse Jarman SC Pretreatment Coordinator Water Facilities Permitting Division

Bureau of Water 2600 Bull Street Columbia, SC 29201 O: 803.898.0076 Kayse.Jarman@des.sc.gov DES.SC.gov





EPA draft human health criteria for PFOA, PFOS, and PFBS. The levels for PFOS and PFOA are extremely low. This will significantly impact NPDES permits in the future. EPA currently has a 60-day comment period open.

# **TECHNICAL FACT SHEET**

## Draft National Recommended Human Health Ambient Water Quality Criteria for PFOA, PFOS, and PFBS December 2024

As part of the Environmental Protection Agency's efforts to safeguard human health from exposure to per- and polyfluoroalkyl substances (PFAS), the agency has published draft national recommended human health criteria for three PFAS – perfluorooctanoic acid (PFOA), perfluorooctane sulfonic acid (PFOS), and perfluorobutane sulfonic acid (PFBS) – for a 60-day public comment period. These draft Clean Water Act (CWA) recommended criteria reflect the latest scientific knowledge regarding the human health effects, exposure information, and bioaccumulation potential. Once final, the human health criteria will provide national recommendations to states and Tribes authorized to establish their own water quality standards under the Clean Water Act. National recommended human health ambient water quality criteria are not regulations, nor do they impose legally binding requirements.

## Background

To help states and Tribes protect people from harmful health effects from exposure to pollutants in surface waters, the EPA periodically publishes national human health criteria recommendations under CWA Section 304(a). The national recommended human health criteria provide information for states and authorized Tribes to consider when developing their own water quality standards.

On October 18, 2021, EPA Administrator Regan announced the agency's <u>PFAS Strategic Roadmap</u>, laying out a whole-of-agency approach to addressing PFAS. This included the EPA's efforts to develop PFAS recommended human health criteria (HHC), starting with PFOA and PFOS. The EPA has released draft recommended human health criteria for PFOA, PFOS, and PFBS and will accept public comments on these criteria documents for 60 days upon announcement in the Federal Register. Following the comment period, the EPA will review the public comments and revise the criteria accordingly. The EPA will then release final criteria recommendations and responses to public comments.

## What are national recommended human health water quality criteria?

People can be exposed to pollutants, such as PFAS, when drinking water and eating fish and shellfish from polluted water bodies. Under CWA Section 304(a), the EPA develops, and from time to time, updates, recommended water quality criteria for the protection of human health. States and authorized Tribes can consider the EPA's recommended criteria when setting <u>water quality standards</u> for their lakes, rivers, and other inland and nearshore water bodies to protect public health.

The EPA's CWA Section 304(a) HHC documents provide scientific information on the human health effects of the pollutants as well as the national recommended levels of pollutants in water (criteria), which, if not exceeded, are expected to protect against adverse effects to human health. For each contaminant, the agency has derived two HHC values: (1) the "water + organism" HHC and (2) the "organism only" HHC. The EPA develops national recommended human health criteria using a mathematical equation that includes a final toxicity factor, exposure factors (for body weight, fish consumption, and drinking water intake), bioaccumulation factors, and a relative source contribution which accounts for exposure from other potential sources (i.e., air, soils, marine fish

consumption). The equations for deriving water + organism, or organism only criteria, as well as equations for cancer and non-cancer-based HHC, can be found in the <u>EPA's 2000 Methodology</u> (EPA, 2000) document and in each HHC document.

# What are the draft National Recommended Ambient Water Quality Criteria for the Protection of Human Health for PFOA, PFOS, and PFBS?

The draft criteria (Table 1) summarize the ambient concentrations for PFOA, PFOS, or PFBS in surface water, which, if not exceeded will protect the general population from adverse health effects due to ingesting water, fish, and shellfish from inland and nearshore water bodies. The EPA provides recommendations for "water + organism" and "organism only" criteria for states and authorized Tribes to consider when adopting human health criteria into their water quality standards. Under the CWA, states and authorized Tribes designate the uses of their water bodies and adopt criteria into their water quality standards to support those uses.

For PFOA and PFOS, the EPA developed draft recommended HHC based on the final non-cancer toxicity values (RfD) and cancer slope factors (CSF), as both chemicals are *Likely to be Carcinogenic to Humans*, based on the final human health toxicity assessments (EPA, 2024a, b). For PFOA, the EPA is recommending HHC based on the values derived using cancer inputs because they are lower than the noncancer-based HHC and thus, protect against both adverse noncancer and cancer health effects. For PFOS, the EPA is recommending the noncancer HHC because they are lower and thus, protective of both adverse noncancer and cancer health effects. For PFOS, the EPA is recommending the noncancer HHC because they are lower and thus, protective of both adverse noncancer and cancer health effects. For PFBS, the draft recommended human health criteria are based only on non-cancer health effects because the PFBS toxicity assessment determined that there is *Inadequate Information to Assess Carcinogenic Potential* for PFBS and no CSF was developed.

Under the EPA's recently finalized <u>Method 1633</u> used for analysis of these three PFAS in aqueous samples, the limit of quantification (LOQ) representing the observed LOQs in the multi-laboratory validation study, range from 1 to 4 ng/L. The pooled Method Detection Limits (MDLs) are 0.54 ng/L (PFOA), 0.63 ng/L (PFOS), and 0.37 ng/L (PFBS). The pooled MDL values are derived from the multi-laboratory validation study using MDL data from eight laboratories and represent the sensitivity that should be achievable in a well-prepared laboratory but may not represent the actual MDL used for data reporting or data quality assessments (<u>EPA, 2024c</u>). The MDLs and ranges presented here are provided for comparison of analytical concentrations and draft recommended HHC.

PFAS	Water + Organism HHC (ng/L; ppt) <sup>1</sup>	Organism Only HHC (ng/L; ppt) <sup>1</sup>
PFOA	0.0009	0.0036
PFOS	0.06	0.07
PFBS	400	500

Table 1. Draft Human Health Criteria (HHC) for Three PFAS.

<sup>1</sup> Values are provided in ng/L units to aid in comparison to method detection limit (MDL).

## **Consideration of PFAS mixtures for HHC**

The available scientific information shows that mixtures of PFAS can result in dose additive health effects, meaning that the combined effect of the component chemicals in a mixture is equal to the sum of the individual doses or concentrations, scaled for potency. Therefore, specific approaches based on dose-additivity are available and could be used to the develop a PFAS mixture HHC. In these draft recommended criteria, the EPA provides an illustrative example for states or Tribes interested in developing a water quality standard for a mixture of two or more PFAS for which human health criteria have been developed using the hazard index (HI)

approach. The HI approach is further described in the final <u>Framework for Estimating Noncancer Health Risks</u> <u>Associated with Mixtures of Per- and Polyfluoroalkyl Substances (PFAS)</u>.

#### Where can I find more information?

View the draft human health criteria documents for PFOA, PFOS, and PFBS, and other related information on the EPA's website at: <u>https://www.epa.gov/wqc/human-health-water-quality-criteria-pfas</u> For more information on water quality criteria, visit: <u>https://www.epa.gov/wqc</u> For more information on PFAS, visit: <u>https://www.epa.gov/pfas</u>

#### References

- EPA. 2000. *Methodology for Deriving Ambient Water Quality Criteria for the Protection of Human Health (2000).* EPA 822-B-00-004. Available on the internet at: <u>https://www.epa.gov/sites/default/files/2018-10/documents/methodology-wqc-protection-hh-2000.pdf</u>.
- EPA. 2024a. Final Human Health Toxicity Assessment for Perfluorooctanoic Acid (PFOA) and Related Salts. EPA 815R24006. Office of Water, Washington, DC. Available on the internet at: <u>https://www.epa.gov/system/files/documents/2024-05/final-human-health-toxicity-assessment-pfoa.pdf</u>.
- EPA. 2024b. Final Human Health Toxicity Assessment for Perfluorooctane Sulfonic Acid (PFOS) and Related Salts. EPA 815R24007. Office of Water, Washington, DC. Available on the internet at: <u>https://www.epa.gov/system/files/documents/2024-05/final-human-health-toxicity-assessment-pfos.pdf</u>.
- EPA. 2024c. Method 1633. Analysis of Per-and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. EPA 821-R-24-001. Office of Water, Washington, DC. <u>https://www.epa.gov/system/files/documents/2024-12/method-1633a-december-5-2024-508-</u> <u>compliant.pdf</u>.