



North Central Texas Council of Governments

SUMMARY

iSWM Implementation Subcommittee

Wednesday, July 13, 2022

1:30 p.m., Microsoft Teams

Join Microsoft Teams Meeting

+1 903-508-4574 United States, Tyler (Toll)

Conference ID: 515 440 685#

Chair: Ranjan Muttiah, City of Fort Worth

1. **Welcome and Introductions**

PRESENTATION/ACTION ITEMS

2. **Approval of March 30, 2022, Meeting Summary.** A vote on the meeting summary as presented.

The meeting summary was approved as presented.

INFORMATION ITEMS

3. **Task Order 6 (Work Scope) Updates.** Task Order project updates on the FY22 Work Program task deliverables.

Task Order 6 refers to the FY22 Work Program and related task deliverables. The final deliverables are posted to the iSWM subcommittee web page. The only item that was not completed was the iSWM Outcome 17 revisions.

4. **Discuss iSWM Outcome 17 (Water Quality) Process.** The proposed revisions to the iSWM Criteria Manual and Tiered Measurement Form regarding Outcome 17 (Water Quality) will be presented to the Subcommittee.

NCTCOG Staff Planner Casey Cannon presented the current proposed revisions of the Outcome 17 Revisions to the subcommittee. These revisions included:

- A removal of the term “Options” from the Water Quality requirements for iSWM certification.
- A removal of the point system related to the Water Quality requirement for iSWM certification.

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- Changing the focus of the Water Quality requirements from *integrated* Site Design Practices to Treatment of the Water Quality Volume and Implementing/Assisting with Off-Site Pollution Prevention Programs and Activities.
- The *integrated* Site Design Practices were relocated from the Water Quality section (3.2) to the *integrated* Development Process section (2.0).

5. **Discuss iSWM FY23 Contract & Work Program.** NCTCOG will update the Subcommittee on FY23 Contract procurement process and solicit input on the FY23 Work Program tasks. The current iSWM contract has concluded, and the Public Works Council has granted the continuation of the iSWM contract in a similar manner. There will be a need for volunteers to score RFSQ responses in the fall for the new contract.

There is also a need to determine the FY23 Work Program Tasks. Staff will compile a list of previous ideas to distribute to the group for feedback.

6. **Arlington iSWM Application.** The City of Arlington has submitted for iSWM certification and the review process is pending. NCTCOG will update the Subcommittee on the status of their application.

The review of Arlington's iSWM application is pending. The Review Board has completed the initial review, but is requesting clarification on one item before finalizing certification.

7. **Regional Public Works Program Update.** NCTCOG will provide an update on the FY22 Regional Public Works Program.

The Public Works Council (PWC) will meet on August 8, 2022 at 9:30 am, in-person at NCTCOG Offices (Regional Forum Room)

The Annual Public Works Roundup will be held on September 13, 2022, in-person at the Grapevine Convention Center

There are upcoming trainings available through the Public Works Program:

- Basic Wastewater Operations Training, August 2 - 4, in-person at NCTCOG Offices
- Water Distribution Training, September 6 – 8, in-person at NCTCOG Offices.



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For more information regarding the Public Works Program, please contact Erin Blackman at eblackman@nctcog.org or (817) 608-2360.

8. **Total Maximum Daily Load Program Update.** NCTCOG will provide an update on the FY22 Total Maximum Daily Load Program.

New Resources Under Development

“Don’t Feed the Birds” and “No Muss, No Flush-Be Wise When You Flush” educational explainer videos (expected to be finalized after upcoming joint subcommittee meeting)

Upcoming Meetings and Events

- Joint TMDL Stormwater and Wastewater Technical Subcommittee Meeting:
July 26, 2022 at 9:30 am via Microsoft Teams
- Upper Trinity River Basin Coordinating Committee:
August 16, 2022 at 9:30 am via Microsoft Teams
- TMDL Monitoring Coordination Forum Technical Subcommittee Meeting:
September 29, 2022 at 9:30 am via Microsoft Teams

TMDL Implementation Plan Items:

- Dry Branch Creek TMDL Technical Support Document under development by the Texas Institute for Applied Environmental Research. TIAER presented at the June 15th TMDL Coordination Committee Meeting (slides available online).
- TCEQ’s Public Comment Period for North Fork Cottonwood Creek (NFCC) Addendum and State Water Quality Management Plan (WQMP) closed in early June and will be going to EPA for approval, NCTCOG will receive the Addendum for NFCC and incorporate into the Implementation Plan.

For more information regarding the TMDL program please contact Hannah Allen at hallen@nctcog.org or (817) 695-9215.

OTHER BUSINESS AND ROUNDTABLE DISCUSSION

9. **Upcoming Events and Conferences.**

- Texas Floodplain Management Association 2022 Technical Summit
 - August 23 – 26, 2022 in Lost Pines, Texas
- iSWM “Interim” Coniditons of Development Survey
 - available online

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10. Future Agenda Items and Roundtable Discussion.

Denton – Working on updating multiple criteria manuals. They have a project on post-construction BMP modeling, working with EPA, USACE, among others. Also Working on improving Industrial Inspection Program.

Fort Worth – Working on some updates to grading ordinances.

Irving – Looking to get involved in CRS Program with FEMA.

Mansfield – Updating Drainage Criteria Manual and will likely seek iSWM Certification afterward.

Presentation on 3D Hydrodynamic Modeling for BMPS. Dr. David Spelman from Bradley University will give a presentation on the general approach to modeling BMP devices with 3D Computational Fluid Dynamics, as well as the associated strengths and weaknesses.

Dr. David Spelman is an Assistant Professor of Civil Engineering and Construction with Bradley University. His expertise includes environmental engineering, stormwater modeling, computational fluid dynamics, biochar production from biosolids, and environmental regulation. His research experience includes a four-year project to design, retrofit, and monitor a large stormwater basin to maximize treatment performance at minimal cost during his PhD work at the University of Florida. He has supported 16 students, published 8 journal articles and 3 technical reports, and presented his research at international conferences.

Dr. Spelman presented on CFD applications in stormwater treatment to the subcommittee based on his research findings.

11. Schedule for the Next Meeting.

The next meeting is scheduled for October 5, 2022, online via Microsoft Teams.

Adjournment

If you have any questions regarding the meeting or agenda items, please contact Casey Cannon by phone at (817) 608-2323 or by email at ccannon@nctcog.org. If you plan to attend this public meeting and have a disability that requires special arrangements at the meeting, please contact Liliana Sheppard by phone at (817) 695-9231 or by email at lsheppard@nctcog.org 72 hours in advance of the meeting. Reasonable accommodations will be made to assist your needs.

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Subcommittee Sign-in sheet

Name	Organization
Patrick Strong	City of Arlington
Matthew Brennan	City of Carrollton
Radwan Dalu	City of Dallas
Jennifer Rovezzi	City of Dallas
Andrew Wallace	City of Dallas
Zachary Peterson	City of Denton
Heather Berryman	City of Fort Worth
Nixalis Benitez	City of Fort Worth
Ranjan Muttiah	City of Fort Worth
Howard Redfearn	City of Mansfield
Julian Holmes	City of Mansfield
Jayce Proctor	City of Irving
Teri McBride	City of Richardson
James Gossie	Denton County
Mitchell Carpenter	Tarrant County
Lee Stimpson	
Carolyn Horner	NCTCOG
Edith Marvin	NCTCOG
Casey Cannon	NCTCOG
Cassidy Campbell	NCTCOG
Hannah Allen	NCTCOG
David Spelman	Bradley University
Kelly Dillard	Walter P. Moore
Saumya "Sam" Sarkar	Half
Cooper Hoffman	Half