

DES MOINES WASTEWATER RECLAMATION AUTHORITY
TECHNICAL COMMITTEE

Des Moines Wastewater Reclamation Facility
3000 Vandalia Road
Des Moines, Iowa

April 11, 2023
1:30 p.m.

DRAFT MINUTES

ITEM 1: Call to Order

Shane Kinsey, Committee Chair, called the meeting to order at 1:30 p.m.

ITEM 2: Roll Call

Members in Attendance

Dan Scott, Altoona
Don Clark, Ankeny*
Jeff May, Clive
Rita Connor, Cumming*
Eugene Schmitt, Des Moines
Matt Ahrens, Grimes*
Shane Kinsey, Johnston
Bret VandeLune, Polk County
John Larson, Urbandale
Tim Royer, Waukee
Brian Hemesath, West Des Moines
Larry Hare, WRF*

Others in Attendance

Scott Hutchens, Operating Contractor
James Beck, Operating Contractor
Lisa Etnyre, Operating Contractor
Melissa Schlickbernd, Operating Contractor
Patrick Brown, Operating Contractor
Roxane Vaughan, Operating Contractor
Ben Warren, Operating Contractor
Charlie Stevens, Operating Contractor
Brett Paige, Snyder & Associates
Wes Ferrand, Snyder & Associates
Mike Roth, HR Green

* Participated in the meeting remotely due to the fact that it was impractical or impossible to participate in the meeting in person due to proximity to meeting location

ITEM 3: Minutes for the March 14, 2023 meeting - Approval

Brian Hemesath made a motion for recommendation. John Larson seconded the motion. All in favor. The motion carried.

- ITEM 4: Professional Services Agreement for the WRA Common Trunk and Joint Trunk Improvements with Snyder & Associates, Inc., in an Amount Not to Exceed \$2,476,713.30 – Recommendation

James Beck explained that the WRA Common Trunk and Joint Trunk are improvements that have been identified in the WRA Facility Plan – 2004 and the WRA Facility Plan – 2014. The projects were included in the FY 2023 Capital Improvement Plan and includes evaluation and design of all three segments of sewers with the estimated construction of the New Joint Trunk West to be completed in 2025-2026, the construction of New Joint Trunk East to be completed in 2026-2027, and the construction of New Common Trunk to be completed in 2028-2030.

Requests for proposals for the WRA Common Trunk and Joint Trunk Improvements were sent to multiple firms on August 31, 2022 and were required to be submitted by October 28, 2022. The WRA received five proposals and the Consultant Selection Committee met on December 13, 2022 to discuss the proposals. They elected to recommend the selection of Snyder and Associates, Inc.

Jeff May made a motion for recommendation. Tim Royer seconded that motion. All in favor. The motion carried.

- ITEM 5: Professional Services Agreement for Design and Bidding Services for the WRF Waste Activated Sludge Thickening Improvements with HR Green, Inc., in an Amount Not to Exceed \$252,600.00 - Recommendation

James Beck explained that the Solids Processing Building houses sludge and digested biosolids processing equipment and ancillary systems. Waste activated sludge from the secondary clarifiers is thickened ahead of digestion using three rotary drum thickeners (RDTs). The current single-drum style Parkson RDT units were installed in 2004 and are at the end of their useful life. Significant rehabilitation is needed for continued use of the RDT units and current sludge loadings also meet peak firm capacity of the existing RDT units. Ancillary support systems, specifically existing wash water and polymer system's need replacement due to the age and condition. Supporting electrical equipment is located in the adjacent Building 75 electrical room, and the RDT motor control centers require replacement as well due to their age and condition.

An agreement for professional services has been negotiated with HR Green, Inc. for Design and Bidding Phase Services associated with the WRF Waste Activated Sludge Thickening Improvements in an amount not to exceed \$252,600.00.

Brian Hemesath made a motion for recommendation. Eugene Schmitt seconded that motion. All in favor. The motion carried.

- ITEM 6: Supplemental Agreement No. 1 to the Professional Services Agreement for the WRA Southern Tier Interceptor, Phase 10, Segment 23 project with Veenstra & Kimm, Inc., in an Amount Not to Exceed \$89,508.00 - Recommendation

ITEM 8

James Beck stated that on August 16, 2022 a professional services agreement with Veenstra & Kimm, Inc. was approved by the WRA Director for Design and Right-of-Way services associated with the WRA Southern Tier Interceptor, Phase 10, Segment 23 project in an amount not to exceed \$227,292.00. The Operating Contractor's Staff is currently working through the design of the WRA Sewer Lining – Phase 3 improvements which includes the lining of the Southside Des Moines River Interceptor. The estimated cost to line the existing 90-inch sewer from the location where the new WRA Southern Tier Interceptor, Phase 10, Segment 23 sewer will connect to the Des Moines river siphon is estimated to be around \$1,400 per linear foot due to the large bypass pumping requirements. The WRA is also currently undertaking a facility planning effort for the WRA conveyance system and the WRA treatment system and one of the recommendations is to increase the capacity of the Southside Des Moines River Interceptor and to relocate the river siphon to a new WRF headworks in the future. Staff has worked with Veenstra & Kimm, Inc. to develop a scope of services to add a portion of the Southside Des Moines River Interceptor which would allow for the abandonment of the existing 90-inch sewer which would also allow the WRA to avoid the cost of lining that reach of sewer. The proposal is for the WRA to construct a new 108-inch or 120-inch sewer in the same construction contract as the WRA Southern Tier Interceptor, Phase 10, Segment 23 project. Staff recommends that Supplemental Agreement No. 1 with Veenstra & Kimm, Inc. is for additional design phase services not to exceed \$89,508.00 be recommended to be approved.

Tim Royer made a motion for recommendation. Dan Scott seconded that motion. All in favor. The motion carried.

ITEM 7: Supplemental WRA Specifications Update & Revision – Recommendation

James Beck noted that the SUDAS Design Manual and SUDAS Standard Specifications are statewide standards for design and construction of urban public improvements in Iowa, which are the product of a joint effort by many local jurisdictions to ensure that public improvements will function adequately, reduce maintenance problems, are durable and safe, and most of all, cost effective to the public within each jurisdiction using these design standards and standard specifications.

Besides the changes to the date references in the first few paragraphs of the WRA Supplemental Specification, there is one additional change being made to Section 1040, 1.07 Change Orders, B. Written Orders. At the February 21, 2023, meeting the WRA Board approved the updated WRA Policy Regarding the Provision for Procurement of Design and Construction Services for WRA Improvement Projects which increased the WRA Director's authority to approve change orders from \$100,000 to \$160,000.

Brian Hemesath made a motion for recommendation. Eugene Schmitt seconded that motion. All in favor. The motion carried.

ITEM 8: Industrial Waste Ordinance – Information

James Beck noted 21 inspections were completed in West Des Moines and he noted two exceptions were received and approved in March.

ITEM 9: Contract Status Update – Information

James Beck noted that there was one new construction contract added for Goodwin Brothers Construction for the WRA Clarifier Improvements, Phase 2 project and no new consultant contracts were added in March 2023.

ITEM 10: Other Business

Scott Hutchens stated that both the WRA Conveyance Facility Plan Update and the WRA Treatment Facility Plan Update will be going to the Finance Meeting to be reviewed on June 1, 2023.

ITEM 11: Adjourn

Bret VandeLune made a motion to adjourn. Jeff May seconded that motion. Meeting adjourned at 1:47 p.m.